

**AGENDA  
REGULAR DRAINAGE MEETING  
WEDNESDAY, MAY 23, 2018  
8:30 A.M.**

1. Open Meeting
2. Approve Agenda
3. Approve Minutes  
May 16, 2018 Regular Drainage Meeting

Documents:

[5\\_16\\_2018 - DRAINAGE MINUTES.PDF](#)

4. Approve Claims For Payment  
Pay Date of Friday, May 25, 2018

Documents:

[05-25-2018 PAYABLES-DRAINAGE PUBLICATION.PDF](#)

5. DD 1 - Discuss, With Possible Action, Repair Summary For Work Order #205

Documents:

[DD1WO205.PDF](#)

6. DD 119 - Discuss, With Possible Action, Repair Summary For Work Order #210

Documents:

[DD119WO210.PDF](#)

7. DD 72 - Approve Work Order Request #213

Documents:

[DD 72 WO 213 REPAIR REQUEST.PDF](#)

8. DD 34 - Approve Work Order Request #212

Documents:

[DD 34 WO 212 REQUEST FORM.PDF](#)  
[DD 34 WO 212 MAP.PDF](#)

9. DD 55-3 Lat 9 - Discuss, With Possible Action, Landowner Concerns

Documents:

[DD 55-3 LAT 9 BRENT BUNTE VISIT.PDF](#)

10. Other Business

11. Adjourn Meeting

# REGULAR DRAINAGE MEETING

5/16/2018 - Minutes

1. Open Meeting  
Hardin County Board of Supervisors Chairman, BJ Hoffman, opened the meeting. Also present were Supervisors, Lance Granzow and Renee McClellan; Landowner, Jerry Kramer; Lee Gallentine and Heather Thomas with Clapsaddle-Garber Associates (CGA); Drainage Clerk, Tina Schlemme.
2. Approve Agenda  
McClellan moved, Granzow seconded to approve the agenda as presented. All ayes. Motion carried.
3. Approve Minutes  
Granzow moved, McClellan seconded to approve the minutes of the May 2, 2018 regular drainage meeting. All ayes. Motion carried.
4. DD H-S 58-3 Approve 2018 Assessment  
The Trustees agreed to table any action on the assessment from Story County for spraying of the open ditch by their IRVM department. The Trustees would like Schlemme to obtain more information, such as, amount or length of ditch being sprayed and if they obtain bids for this process.
5. DD 22 - Authorize Legal Review Of Contract Documents  
Thomas submitted the Plans and Specifications for the current project with outlined points regarding intakes, removal and disposal of supplemental tile, construction dates and completion, liquidated damages, timing and warranty. The Trustees agreed to a bid letting date of June 27, 2018 at 8:30 a.m. in the large conference room of the Hardin County Courthouse. They also requested an additional Add Alt item to include no rock bedding with the concrete tile. It was discussed that if this method is chosen, that CGA will require a waiver of liability. They Trustees also agreed that the standard bid will include a warranty, but to add another Add Alt item for the 2 year maintenance bond. Thomas asked the Trustees how they like to handle the retainage if Add Alt 2 (the 12 month CCTV post construction) is chosen. The Trustees agreed this would be a legal question for the attorney. McClellan moved, Granzow seconded to authorize legal review of the submitted contract documents with stated revisions. It was discussed that Thomas will make the necessary changes and email them to Schlemme, with the question regarding retainage, in which Schlemme will forward to attorney, Mike Richards. All ayes. Motion carried.
6. DD 22 - Discuss, With Possible Action, Updates Regarding Current Project  
Gallentine explained that the outlet has flowing water and there is no visible water standing. The Trustees agreed that no action is needed until a problem is called in.
7. DD 72 - Approve Change Order #6 Re: Soil/Compaction  
Gallentine presented Change Order #6 which explained the soil/compaction issues that were discussed the previous meeting. The change order did not affect price or time, but was merely an explanation of the compaction issues. Granzow moved, McClellan seconded to approve Change Order #6 with M D Construction. All ayes. Motion carried.
8. DD 95 - Discuss, With Possible Action, Landowner Request Re: Current Project  
Schlemme explained that landowner, Jim Cleveland, has requested that the project does not begin until this fall when crops are out. The Trustees agreed that the project has already been stalled long enough and the contractor has dug some and is ready to begin construction. McClellan moved, Granzow seconded to proceed with plans, as weather permits, to replace tile from the previous repair location to stable pipe, which is estimated at 450 feet and construction costs of \$25,000 to \$30,000. It was discussed that if the project appears to be more than the 450 feet, CGA should bring it back to the Trustees for discussion. All ayes. Motion carried.
9. DD 148 - Approve Work Order Request #211  
Granzow moved, McClellan seconded to approve Work Order Request #211 for intake problems in Section 7 of Etna Township and for CGA to investigate district records to see if the intake was installed by the district or privately. Gallentine stated he believes it was probably district as the manhole is large and in concrete. All ayes. Motion carried.
10. DD 64 - Approve Drainage Utility Permit Application 2018-5 With Midland Power Coop  
McClellan moved, Granzow seconded to approve Drainage Utility Permit Application 2018-5 with Midland Power Coop. All ayes. Motion carried.

11. DD 11 & 21 - Approve Drainage Utility Permit Application 2018-6 With Iowa Regional Utilities Assoc  
McClellan moved, Granzow seconded to approve Drainage Utility Permit Application 2018-6 with Iowa Regional Utilities Association. All ayes. Motion carried.
12. DD 55 - Approve Drainage Utility Permit Application 2018-7 With Iowa Regional Utilities Association  
McClellan moved, Granzow seconded to approve Drainage Utility Permit Application with Iowa Regional Utilities Association. All ayes. Motion carried.
13. DD 8 & 122 - Acknowledge Receipt Of Completion Report And Set Hearing Date  
Granzow moved, McClellan seconded to acknowledge receipt of the completion report and to set the hearing date as Wednesday, June 27, 2018 at 9:00 am in the large conference room of the Hardin County Courthouse. All ayes. Motion carried.
14. DD 1 - Discuss, With Possible Action, Assessment Balance  
Schlemme explained that when the county just recently went to a new software company that one of the checks from the first check writing had some issues. The drainage balance report produced from the system is duplicating this check in the amount of \$17,390.27. This was realized after assessments went out, so the district was over-assessed by that \$17,390.27. She stated that there is an outstanding project though that may use that money up. Gallentine explained that the project is more difficult than originally thought and should have the repair summary by the next meeting to see where we stand. The Trustees agreed to table any action regarding the assessment until estimates for the new project were received.
15. Other Business  
None.
16. Adjourn Meeting  
McClellan moved, Granzow seconded to adjourn the meeting. All ayes. Motion carried.



# Hardin County

<b>Description</b>	<b>Vendor</b>	<b>Amount</b>
DD 22 WO 192 ADDL INVESTIGATION 4/6-5/9-18	Clapsaddle-Garber Assoc	3,024.40
DD 22 WO 176 ENG SVCS	Clapsaddle-Garber Assoc	4,232.15
DD 55-3 LAT 12 WO 201 CCTV 2 HRS	Williams Excavation LLC	1,944.00
DD 41 WO 194 QUESTIONS RE BID LETTING	Clapsaddle-Garber Assoc	559.25
DD 72 WO 71 CONTRACT ADMINISTRATION	Clapsaddle-Garber Assoc	3,189.10
DD 72 WO 71 PAY EST 4	M D Construction, inc	125,911.04
DD 143 WO 59 COMPLETION HRG NOTICE	Mid-America Publishing Corp	33.53

## Drainage District:

1

## Investigation Summary:

- Landowners at hearing indicated that the bottom of the waterway located in SE¼ of Section 24, Township 88 North, Range 20 West was in disrepair and impassable. This area is downstream of 2017 cleanout and upstream of County Highway D35.
- As part of 2017 project, this area was surveyed and it was found at that time to be cut deeper than the original design grade, so the above issue is not a matter of siltation.
- Upon visual inspection, found that a 2' to 3' wide by 2' to 3' deep channel has been eroded in waterway deeper than the existing waterway bottom. Erosion starts at existing box culvert under County Highway D35 and proceeds upstream for approximately 1,200'.

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

None as only investigation was performed.

## Additional Actions Recommended:

The erosion in the waterway not only makes access across the waterway by the farmer impossible, but it also endangers exposing the existing main tile. The most straightforward repair method would be to import soil to fill the eroded area, seed the repaired area, and install either a riprap letdown structure or a metal weir at the north right of way line of County Highway D35. Based on this, the estimated construction cost for the waterway repair and riprap letdown structure would be \$15,000 to \$20,000 and the estimated construction cost for the waterway repair and metal weir would be \$25,000 to \$30,000. This cost is low enough that a hearing and an engineer's report would not be required for either repair.





# Drainage Work Order Request For Repair

## Hardin County

**Date:** 3/7/2018

**Work Order #:** WO00000205

**Drainage District:** Drainage Districts \DD 1

**Sec-Twp-Rge:** 25-88-20      **Qtr Sec:** S1/2

**Location/GIS:** \_\_\_\_\_

**Requested By:** Marvin Kramer

**Contact Phone:** (641) 485-2536

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

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

**Description:**

Would like the waterway downstream cleaned out that was not part of the 2017 project (as discussed at 3/7/2017 completion hearing).  
25-88-19

**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:** \_\_\_\_\_

CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

4/16/18

DAYS OF WEEK:

S M T W T F S

SHEET NO.

OF

PROJECT NUMBER:

6749.3

COUNTY, ROUTE, ROAD:

D35 to N.

LOCATION:

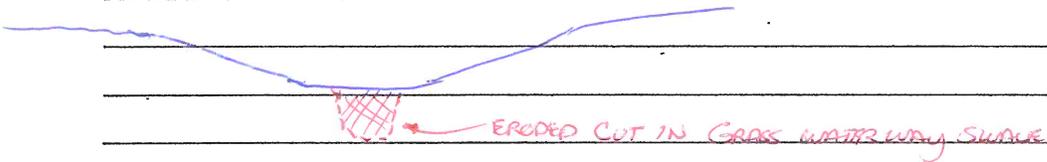
DD1 SURFACE SWALE

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

PARTLY SUNNY, 32°, MELTING SNOW, WINDY FROM NW

ARRIVED @ DD1 @ D35, LOOKED @ SURFACE SWALE THAT FARMER WANTS TO FIX.

THE SWALE HAS A 2'-3' WIDE X 2'-3' DEEP CUT IN CENTER OF GRASS SWALE THAT OUTLET ELEVATION MATCHES THE E OF TWIN BOX CULVERT ON D35. THE BOX CULVERT WAS PROBABLY PUT IN DEEPER THAN FIELD ENG. GRADE OF EXISTING SURFACE SWALE AND ERODED BACK FROM D35 TO NORTH THAT LEFT A DEEP CUT IN THE GRASS WATERWAY SWALE. THE FARMER SAID HE WOULD FIX IT HIMSELF. IF HE CUTS DOWN THE WATERWAY TO MATCH EXISTING E. CUT, HE MIGHT GET TO CLOSE TO DD1 TIE, AND IF HE FILLS IN THE CUT TO MATCH CLOSER TO ORIGINAL GRADE HE WOULD HAVE TO BUILD A "LET DOWN" STRUCTURE FOR WATER TO GET TO BOX CULVERT WITH-OUT ERODING E OF SWALE, ROCK FLUM, WIER, ECT.



○ EXISTING CLAY TIE ON E. EDGE OF GRASS SWALE

GRASS SWALE TO BE FIXED IS 1200'± LONG.

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

Observer's Signature: [Signature]  
Reviewed by: [Signature]

Date Prepared: 4/16/18  
Engineer

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



## Drainage District:

119 Lateral 1C and 1C1

## Investigation Summary:

- Hardin County Engineer's office reported a large void (assumed to be due to lateral tile) under west lane of County Highway S56 located in SE¼ Section 23, Township 89 North, Range 19 West. Due to impending repaving, County Engineer filled void with grout.
- Visually observed road ditches in area and found 4' diameter sinkhole in west ditch just north of intake north of intersection of County Highway S56 and 140<sup>th</sup> Street. Water can be heard running in sinkhole, so it is assumed that grouting by County Engineer did not fill the lateral tile since that sinkhole is upstream of said grout.

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

None as only investigation was performed.

## Additional Actions Recommended:

The sinkhole in the ditch needs repaired along with CCTV inspection downstream of the lateral tile as far as possible. These could be done at the same time. Once the CCTV inspection has been performed, the footage could be viewed and the condition of the lateral tile under County Highway S56 along with any additional corrective actions needed could be determined.





# Drainage Work Order Request For Repair Hardin County

Date: 4/30/2018

Work Order #: WO00000210

Drainage District: Drainage Districts \DD 119

Sec-Twp-Rge: 26-89-19 Qtr Sec: N1/2

Location/GIS: \_\_\_\_\_

Requested By: Hardin County Engineer

Contact Phone: \_\_\_\_\_

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

Landowner (if different): County Highway

Description: County Highway S56 has dip in pavement with a large void under it. Looks like DD 119 tile runs directly under the road and has possibly collapsed.

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: \_\_\_\_\_

CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE: 5/7/18

DAYS OF WEEK: 

S	M	T	W	T	F	S
---	---	---	---	---	---	---

SHEET NO. 1 OF 1

PROJECT NUMBER:	<u>6928</u>
COUNTY, ROUTE, ROAD:	<u>DD 119 HARDW</u>
LOCATION:	<u>556 + 140TH.</u>

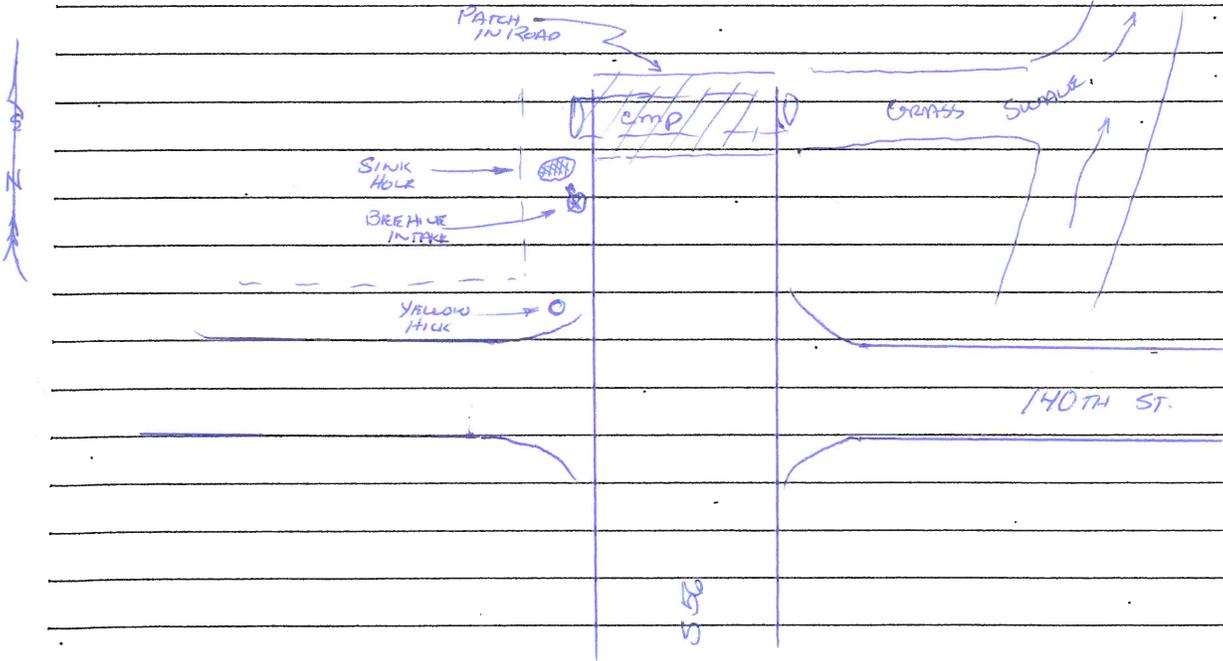
DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Sunny, Drying Conditions, Breezy From SW, 75°

PARKED ON 140TH ST. WALKED UP N. ON W. DITCH 356, YELLOW INTAKE IN NW QUAD, @ 556 + 140TH, NO RUNNING WATER. WALKED UP NORTH, FOUND BEEHIVE INTAKE, 3' DOWN TO  $\pm$  WITH OUTLET TO NORTH. FOUND 4'  $\phi$  x 2' DEEP HOLE NORTH OF INTAKE, CAN HEAR WATER IN INTAKE. FARTHER NORTH IS NEWER CMP RUNNING UNDER 356.

BESIDES SINK HOLE IN DITCH, EVERYTHING SEEMS TO BE WORKING. NO WET SPOTS. WALKED TO EAST THRU FIELD TO "Y" OF LAT 16 AREA, THEN SOUTH TO 140TH. NO WET SPOTS OR INTAKES.

SHOULD PROBABLY DIG UP LAT 16 @ SINK HOLE IN DITCH, FIX WIDE JOINT OR COLLAPSED TILE, LOCATE TILE N-S-E, TRY TO TAKE PIC'S UNDER ROAD TO EAST.



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

Observer's Signature: [Signature]

Date Prepared: 5/7/18

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

Engineer

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

RD 119 HAROLD, LOOKING SOUTH ON WEST SIDE S56. SIMILAR ON MAIN, BEEHIVE ON  
OFFSET  
TO  
SOUTH





# Drainage Work Order Request For Repair

## Hardin County

**Date:** 5/22/2018

**Work Order #:** WO00000213

**Drainage District:** Drainage Districts \DD 72

**Sec-Twp-Rge:** \_\_\_\_\_ **Qtr Sec:** \_\_\_\_\_

**Location/GIS:** \_\_\_\_\_

**Requested By:** CGA Construction Observer Notes

**Contact Phone:** \_\_\_\_\_

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

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

**Description:** DD 72 Lat 2 - During the current project, a blowout/sinkhole was observed on the west side of O Ave and the existing intakes are in disrepair. The current contractor is not interested in repairing.

**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 Edginton Ave, Suite 1  
Eldora, IA 50627  
Phone (641) 939-8111  
Fax (641) 939-8245

For Office Use Only

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



# Drainage Work Order Request For Repair

## Hardin County

**Date:** 5/21/2018

**Work Order #:** WO00000212

**Drainage District:** Drainage Districts \DD 34 - Lateral 2

**Sec-Twp-Rge:** 20-86-22      **Qtr Sec:** S1/2

**Location/GIS:** 86-22-20-400-001

**Requested By:** Robert Lee

**Contact Phone:** (515) 291-3709

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

**Landowner (if different):** Lee Farms

**Description:** Blowout just south of the center of section and north of windmill road. Has 2 rocks as marker. Corn planted.

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

\_\_\_\_\_

\_\_\_\_\_

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

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

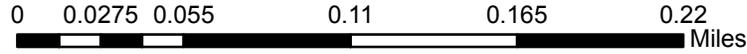
Hardin County Auditor's Office  
 Attn: Drainage Clerk  
 1215 Edgington Ave, Suite 1  
 Eldora, IA 50627  
 Phone (641) 939-8111  
 Fax (641) 939-8245

For Office Use Only

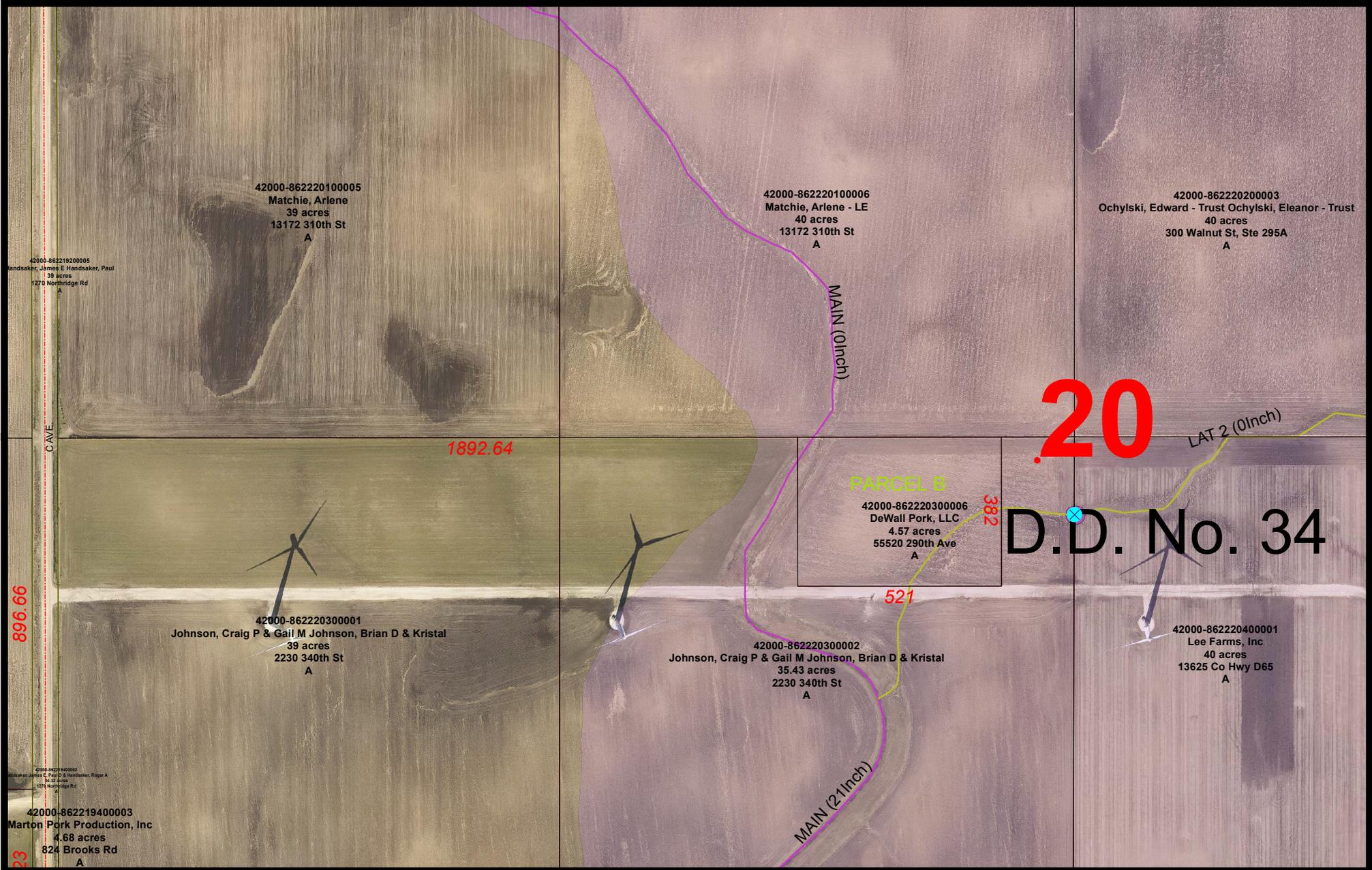
**Approved:** \_\_\_\_\_ **Date:** \_\_\_\_\_



# Hardin County Auditor's Office



Date: 5/21/2018



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.

