

**AGENDA**  
**REGULAR DRAINAGE MEETING**

1. Open Meeting
2. Approve Agenda
3. Approve Minutes  
November 7, 2018 Regular Drainage Meeting

Documents:

[11\\_7\\_2018 - DRAINAGE MINUTES.PDF](#)

4. DD 55-3 Lat 9 - Discuss, With Possible Action, Landowner Concerns  
Curt Bunte to Present Drone Footage
5. DD 41, 77, 123, 128, 143 And Big 4 Main - Approve Change Order #2

Documents:

[6771.2 -CONTRACTOR AND ENGINEER SIGNED CHANGE ORDER 2.PDF](#)

6. DD 34 - Discuss, With Possible Action, Post-Construction Erosion Control

Documents:

[20181108154453422.PDF](#)

7. DD 25 - Approve Cancellation Of Contract With Farm Tile Pro
8. DD 25 - Discuss, With Possible Action, Updates To Project
9. DD 25 Lateral 3 - Discuss, With Possible Action, Investigation Summary For Work Order #226

Documents:

[6510.6 - DD25 WO226.PDF](#)

10. DD 38 - Discuss, With Possible Action, Investigation Summary For Work Order #231

Documents:

[6739 - DD38 WO231.PDF](#)

11. DD 86 - Approve Work Order Request #236

Documents:

[DD 86 WO 236 REQUEST.PDF](#)  
[DD 86 WO 236 MAP.PDF](#)  
[DD 86 WO 236 EMAIL.PDF](#)

12. DD 124 - Set Time For December 5, 2018 Landowner Meeting

Documents:

[DD 124 MEETING.PDF](#)

13. DD 146 - Discuss, With Possible Action, Investigation Summary For Work Order #228

Documents:

[6950.1 - DD146 WO228.PDF](#)

14. DD 148 - Discuss, With Possible Action, Updates Regarding Work Order #227

Documents:

[DD 148 WO 227 UPDATE EMAIL.PDF](#)

15. DD 165 - Discuss, With Possible Action, Investigation Summary For Work Order #232

Documents:

[6905 - DD165 WO232.PDF](#)

16. Discuss, With Possible Action, Legal Opinion Regarding Drainage Clerk Position

17. Other Business

18. Adjourn Meeting

# REGULAR DRAINAGE MEETING

11/7/2018 - Minutes

1. Open Meeting  
Hardin County Board of Supervisor Chairman, BJ Hoffman, opened the meeting. Also present were Supervisors, Lance Granzow and Renee McClellan; Hardin County Engineer, Taylor Roll, via teleconference; Landowner, Jeff Hoversten, via teleconference; Drainage Clerk, Tina Schlemme.
2. Approve Agenda  
Granzow moved, Hoffman seconded to approve the agenda as presented. All ayes. Motion carried.
3. Approve Minutes  
Granzow moved, Hoffman seconded to approve the minutes of the October 31, 2018 regular drainage meeting. All ayes. Motion carried.
4. DD Big 4, 41, 77, 123, 128 And 143 - Approve Change Order #2  
Schlemme presented Change Order #2 for Hands On Excavating to move the completion date from November 30, 2018 to May 1, 2019. The Trustees agreed that to stay consistent with previous actions, they will not approve the date change until the completion date has occurred and all efforts by the contractor have been made to complete the project. Granzow moved, McClellan seconded to table any action and invite Hands On to attend the next regular drainage meeting. All ayes. Motion carried.
5. DD 1 - Discuss, With Possible Action, Needed Spot Repairs  
It was discussed that the county engineer's department was not interested in performing the spot repairs needed in the road ditch of D35. Granzow moved, McClellan seconded to table any action and for CGA to combine this item with the DD 25 railroad boring project. All ayes. Motion carried.
6. DD 25 - Discuss, With Possible Action, Landowner Concern  
Schlemme updated the Trustees that landowner, Leland Coburn, was unhappy with the blowout remaining in his field. Granzow moved, McClellan seconded to table any action as the water is flowing and the railroad is cooperating now so the blowout should be fixed this next year. All ayes. Motion carried.
7. DD 161 - Approve Work Order Request #234  
  
Schlemme updated the Trustees that CGA heard back from the landowner who had called in the district problem stating that he believes it's all private tile issues. The Trustees agreed to close the work order and document the landowner's response.
8. DD 167 - Discuss, With Possible Action, Status Of Work Order #208  
Schlemme updated the Trustees that tenant, Robert Jensen, stated the water is not flowing right now and is coming out of the hole and onto the ground. Granzow moved, McClellan seconded to send CGA out to check the flow status and report back. All ayes. Motion carried.
9. DD H-F 1 - Discuss, With Possible Action, Update To Work Order #140  
Schlemme stated that she spoke with tenant, Joe Scallon, who stated he removed some of the willow trees but not all of them. He no longer farms the land so will not be completing the task. Granzow moved, McClellan seconded to hire a contractor via the lottery system to remove the rest of the trees. All ayes. Motion carried.
10. Other Business  
  
DD 22 - Hoversten called during the meeting to discuss the culvert Madden is installing on 180th Street. He still has 220 acres to get out of the field and this road is his only access into town. He would like Madden to hold off on the project until that is done. The Trustees agreed that Roll should contact Madden to communicate this information.  
  
Granzow stated he would like to change the drainage clerk position to full-time and be under the management of the Board of Supervisors. They would like to begin budgeting this item as soon as possible to begin July 1 at the latest. McClellan moved, Granzow seconded for Schlemme to contact Drainage Attorney, Mike Richards, to verify that this position could be under the management of the Board and not the Auditor. They asked Schlemme to decide if she would be interested in this position. All ayes. Motion carried.
11. Adjourn Meeting  
McClellan moved, Granzow seconded to adjourn the meeting. All ayes. Motion carried.

# Change Order

No. 2

Date of Issuance: October 26, 2018

Effective Date: October 17, 2018

Project: Drainage District Repairs	Owner: Drainage District Trustees	Owner's Contract No.:
Contract:		Date of Contract: May 2, 2018
Contractor: Hands On Excavating		Engineer's Project No.: 6771.2

**The Contract Documents are modified as follows upon execution of this Change Order:**

Description: Due to weather conditions in fall, contractor requests an extension of project completion date.

**Attachments (list documents supporting change):**

E-mail from contractor requesting Change Order #2

**CHANGE IN CONTRACT PRICE:**

**CHANGE IN CONTRACT TIMES:**

Original Contract Price:

Original Contract Times:

Calendar days

\$149,516.85

Substantial completion (date): 11-30-2018

Increase from previously approved Change Order No. 1 to No. 1:

[Increase] [Decrease] from previously approved Change Order No. 1 to No. 1:

\$ 30,911.50

Substantial completion (days): 0

Contract Price prior to this Change Order:

Contract Times prior to this Change Order:

\$180,428.35

Substantial completion (date): 11-30-2018

Increase of this Change Order:

Increase of this Change Order:

\$ 0.00

Substantial completion (date): 5-1-2019

Contract Price incorporating this Change Order:

Contract Times with all approved Change Orders:

\$180,428.35

Substantial completion (date): 5-1-2019

RECOMMENDED:

ACCEPTED:

ACCEPTED:

By: [Signature]  
Engineer (Authorized Signature)

By: \_\_\_\_\_  
Owner (Authorized Signature)

By: [Signature]  
Contractor (Authorized Signature)



Date: 10-31-18  
Approved by Funding Agency (if applicable):

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

Date: 10/30/2018

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

## Lee Gallentine

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**From:** Jacob Handsaker <handsaker@gmail.com>  
**Sent:** Wednesday, October 17, 2018 8:35 AM  
**To:** Lee Gallentine  
**Subject:** Re: DDBig 4 project

Lee,

Yes an extension for the entire remaining parts. I would like the extension to may 1 of 2019. We will likely work on it thru the winter if weather allows. Could you also feel them out on the option of pulling in dual wall 8" on the job by dean brights place.

Thank you.

Jacob Handsaker  
Hands On Excavating LLC  
Handsaker Farms  
12676 290th St  
Radcliffe, Ia 50230  
O. 5158992394  
C. 5154606294  
E. [handsaker@gmail.com](mailto:handsaker@gmail.com)

**Is there anything more that I can do just for you?**

Please forgive any errors or misspellings as this correspondence was sent via a mobile device.

On Oct 17, 2018, at 8:16 AM, Lee Gallentine <[LGallentine@cgaconsultants.com](mailto:LGallentine@cgaconsultants.com)> wrote:

Jacob,

Just a couple of questions. First, what date do you want the extension to and second I assume that you want an extension for the entire remainder of the contract, not just the Big 4 portions of the contract. Just let me know.

Thanks,

Lee

Sent from my U.S.Cellular© Smartphone

----- Original message -----

From: Jacob Handsaker <[handsaker@gmail.com](mailto:handsaker@gmail.com)>  
Date: 10/17/18 7:30 AM (GMT-06:00)  
To: Lee Gallentine <[LGallentine@cgaconsultants.com](mailto:LGallentine@cgaconsultants.com)>  
Subject: DDBig 4 project

Lee,

I'm writing to request an extension on completion date of the big 4 project. I'm requesting this extension due to weather delays of multiple projects this summer.

Today we are finishing up in Radcliffe and will move equipment to DD34 to do the keyway at the top of the waterway.

Thank you.

Jacob Handsaker  
Hands On Excavating LLC  
Handsaker Farms  
Radcliffe, Iowa 50230  
P. 515 460 6294  
F. 1-800-852-8337  
E. [handsaker@gmail.com](mailto:handsaker@gmail.com)

[www.handsonexcavating.com](http://www.handsonexcavating.com)

**Is there anything more that I can do for just you?**

## Drainage District:

#34

## Repair Summary:

- A postconstruction field review found that surface water had caused erosion and shifting of broken concrete bank stabilization at transition between the grassed waterways and the upper end of main open ditch in the SE¼ SW¼ Section 20 T86N R22W.
- Graded area and installed rock curtain wall with engineering fabric per the detail on the attached e-mail that had been sent to the contractor.

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

See attached Tabulated Contractor Time and Materials Sheet.

## Additional Actions Recommended:

- As of the last site visit, the contractor had not seeded the disturbed grassed portion of the work area. This needs to be done.
- Monitor the area for additional erosion at upper end of main open ditch. If additional erosion occurs, the surface water flows may justify installation of a headwall with upstream stilling basin.



## Tabulated Contractor Time and Materials

Date	Totals	10/15/2018
Workman (hrs)	15	15
Excavator (hrs)	6	5.5
Riprap (tons)	100	100
Engineering fabric (ft)	130	130



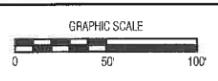
APPROXIMATE LOCATION OF  
32 FEET OF ROCK CURTAIN  
WALL FOR EROSION CONTROL



MAIN OPEN DITCH

COUNTY HWY D65

P:\028\040\0428 - Outlet Erosion Map.dwg - CGA Plan - 11-08-18 - 10:48am - JNS333



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE



DESIGNED: ZJS      DATE: ###  
 DRAWN: JVS      DATE: ###  
 CHECKED: LOG      DATE: ###  
 APPROVED: LOG      DATE: ###

**D.D. 34 MAIN OPEN DITCH**  
 HARDIN COUNTY, IOWA

**ROCK CURTAIN WALL**

PROJECT NO.  
6428  
 SHEET NO.  
1

## Lee Gallentine

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**From:** Lee Gallentine  
**Sent:** Tuesday, March 28, 2017 3:48 PM  
**To:** Jacob Handsaker  
**Subject:** DD 34  
**Attachments:** 6428 - Erosion Issues (Add) - DD #34.pdf; 6428 - Warranty Issues - DD #34.pdf

Jacob,

At last year's completion hearing the following issues arose:

- Some of the broken concrete that was placed as bank stabilization had moved and is partially blocking one of the tile outlets. Attached are some pictures (6428 - Warranty Issues - DD #34). The District Trustees would ask that you move the broken concrete before they accept the project and release your project retainage.
- At the top/start of the riprap, some erosion has occurred. Attached are some pictures showing the erosion along with a sketch showing some proposed work in this area (6428 - Erosion Issues (Add) - DD #34) to remedy the same. The District Trustees would like to know if you are interested in performing this work, what the cost would be, and what your timeframe is for completing this. If you are interested, this work would be performed separately from your existing contract. If not interested, please let me know so that the District Trustees can find somebody else.

Please let me know if you have any questions.

Thanks,

**Lee Gallentine, P. L.S. & P.E.**  
*Professional Land Surveyor and Professional Engineer*

**Ryken Engineering and Land Surveying**

739 Park Avenue, Ackley, IA 50601

P: 641.847.3273 | F: 641.847.2303

103 State Street, Suite 430, Mason City, IA 50401

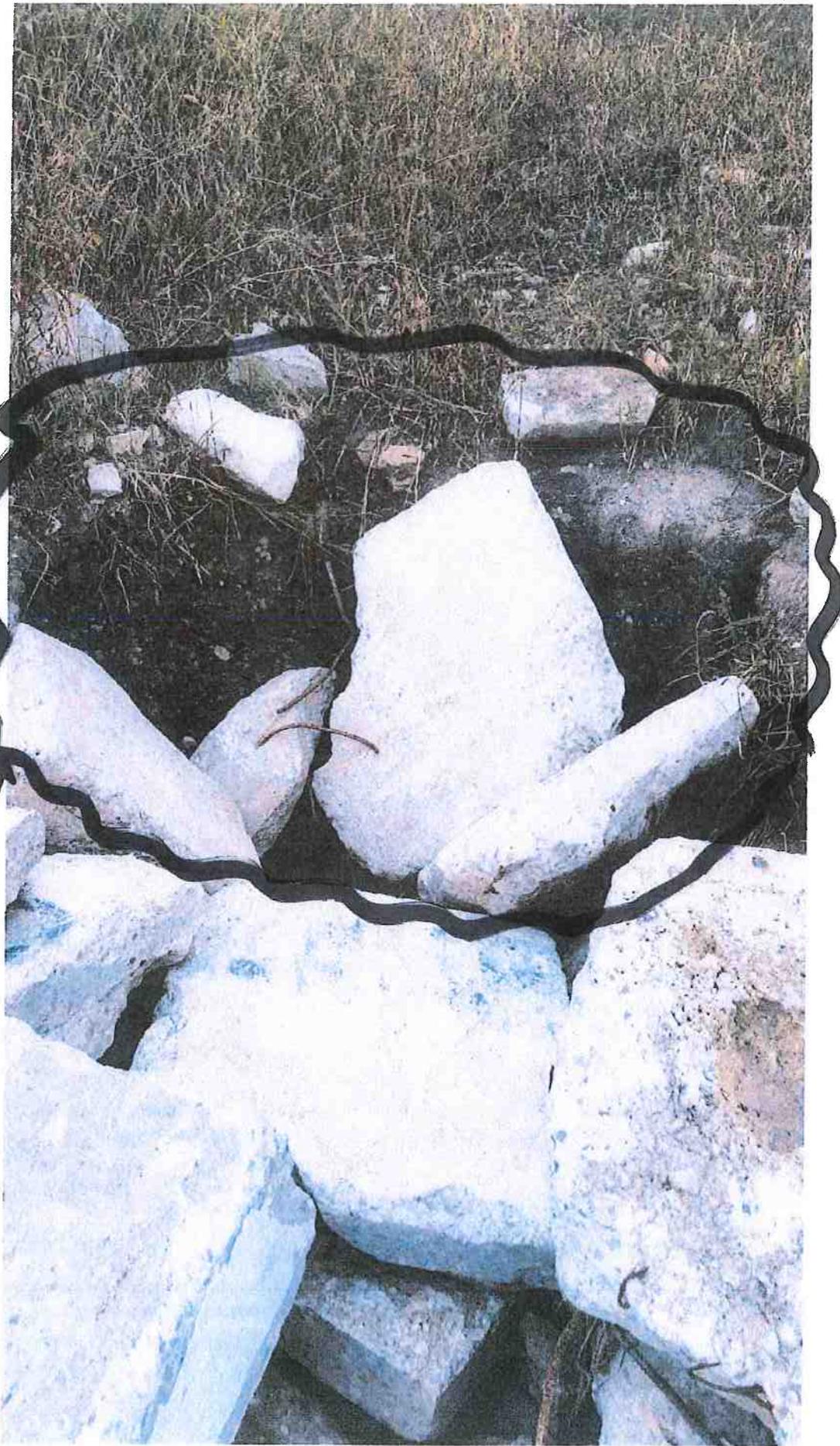
P: 641.423.1451 | F: 641.423.1659

511 Bank Street, Webster City, IA 50595

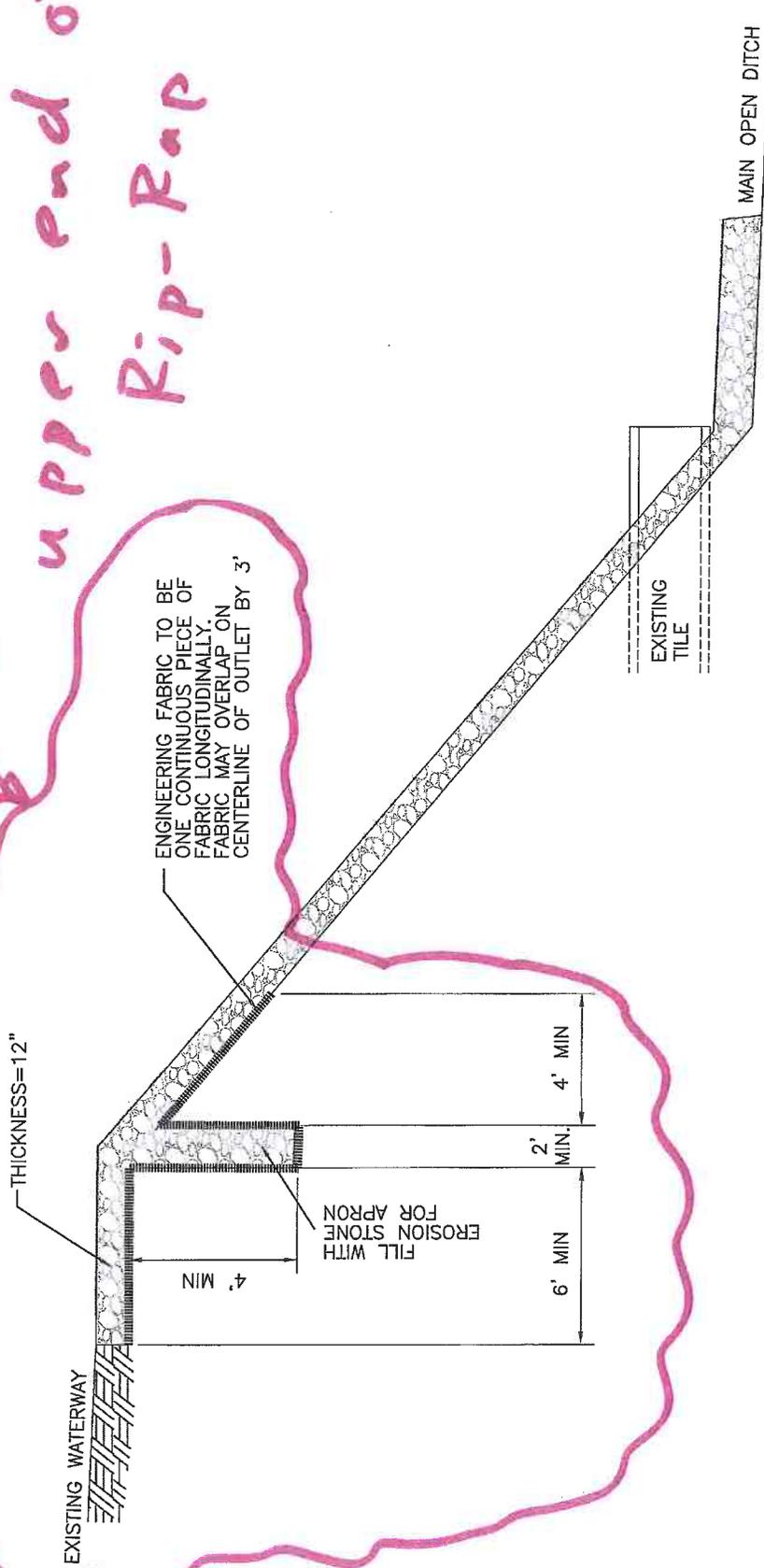
P: 515.832.1876 | F: 515.832.1932

[LeeG@RYKENeng.com](mailto:LeeG@RYKENeng.com) | [www.RYKENeng.com](http://www.RYKENeng.com) | Mobile: 515-689-5339

Erosion starting @ upper end of  
Rip-Rap



Proposed work  
@ eroded area  
upper end of  
Rip-Rap



CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE: 2018-10-15

DAYS OF WEEK: 

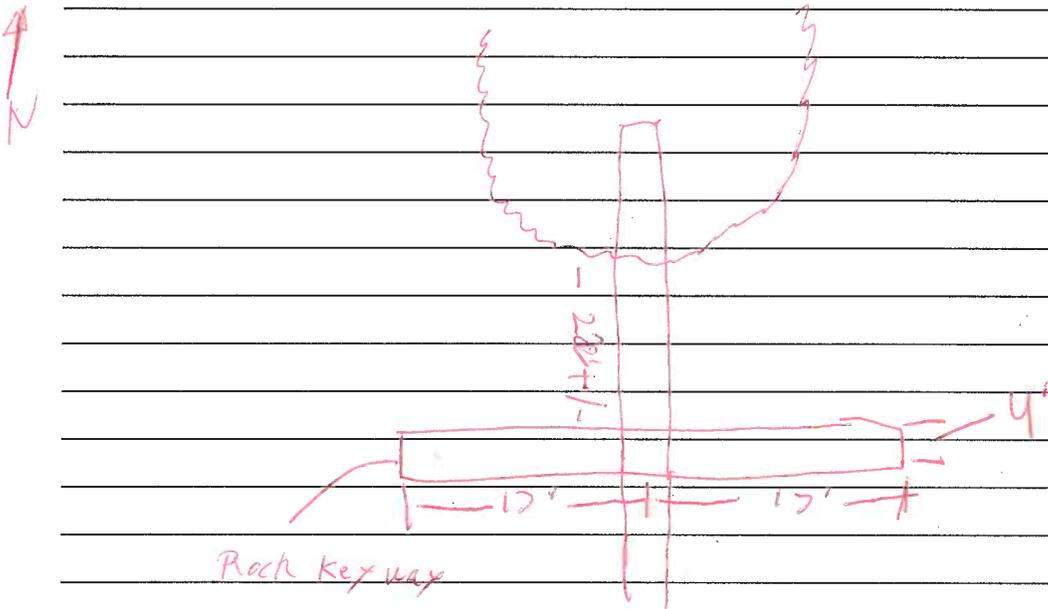
S	M	T	W	<del>X</del>	F	S
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SHEET NO. 1 OF 2

PROJECT NUMBER: 6425  
COUNTY, ROUTE, ROAD: \_\_\_\_\_  
LOCATION: DB-34

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

10:30 - get to site, 1 man working with excavator  
11:00 - 2nd man showed up, also 2nd load of Rip-Rap showed up



Rock Keyway

Used 40' of Fabric

12:35 - 3rd load of Rip-Rap showed up

12:50 - Break for Lunch

1:45 - 1 man returned from lunch

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

Observer's Signature: \_\_\_\_\_ Date Prepared: \_\_\_\_\_  
Reviewed by: \_\_\_\_\_  Engineer \_\_\_\_\_  
Date Reviewed: \_\_\_\_\_

CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

2018-10-18

DAYS OF WEEK:

S M T W T F S

SHEET NO.

2 OF 2

PROJECT NUMBER:

COUNTY, ROUTE, ROAD:

LOCATION:

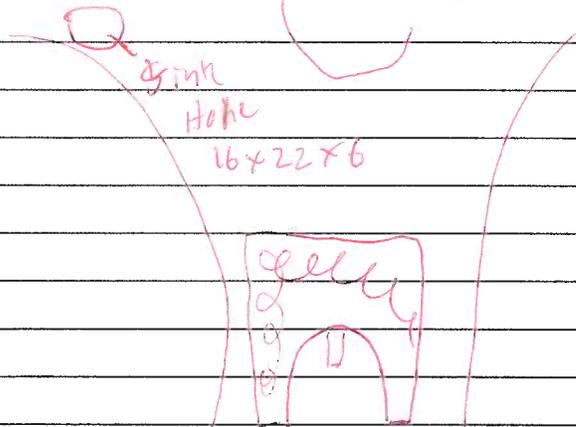
PD-34

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

2:05 - 4<sup>th</sup> Load of Rip-Rap showed up

3:55 - told Brett web about spreading dirt along & seeding it Right away

Found sink hole 100-150ft North of outlet tile visible



4:00 - almost completed Rock curtain wall only spreading soil around to dress it up & seeding left

4:05 - Left Job site

Day totals : Crew Hours - 7.5  
excavator Hours - 5.5  
Rip-Rap Tn - 100 approxima - 4 Loads total  
Eng Fabric - 2 pieces 40' long & 2 pieces 25' long

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

Observer's Signature:

*[Signature]*

Date Prepared:

2018-10-23

Reviewed by:

\_\_\_\_\_

Engineer

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







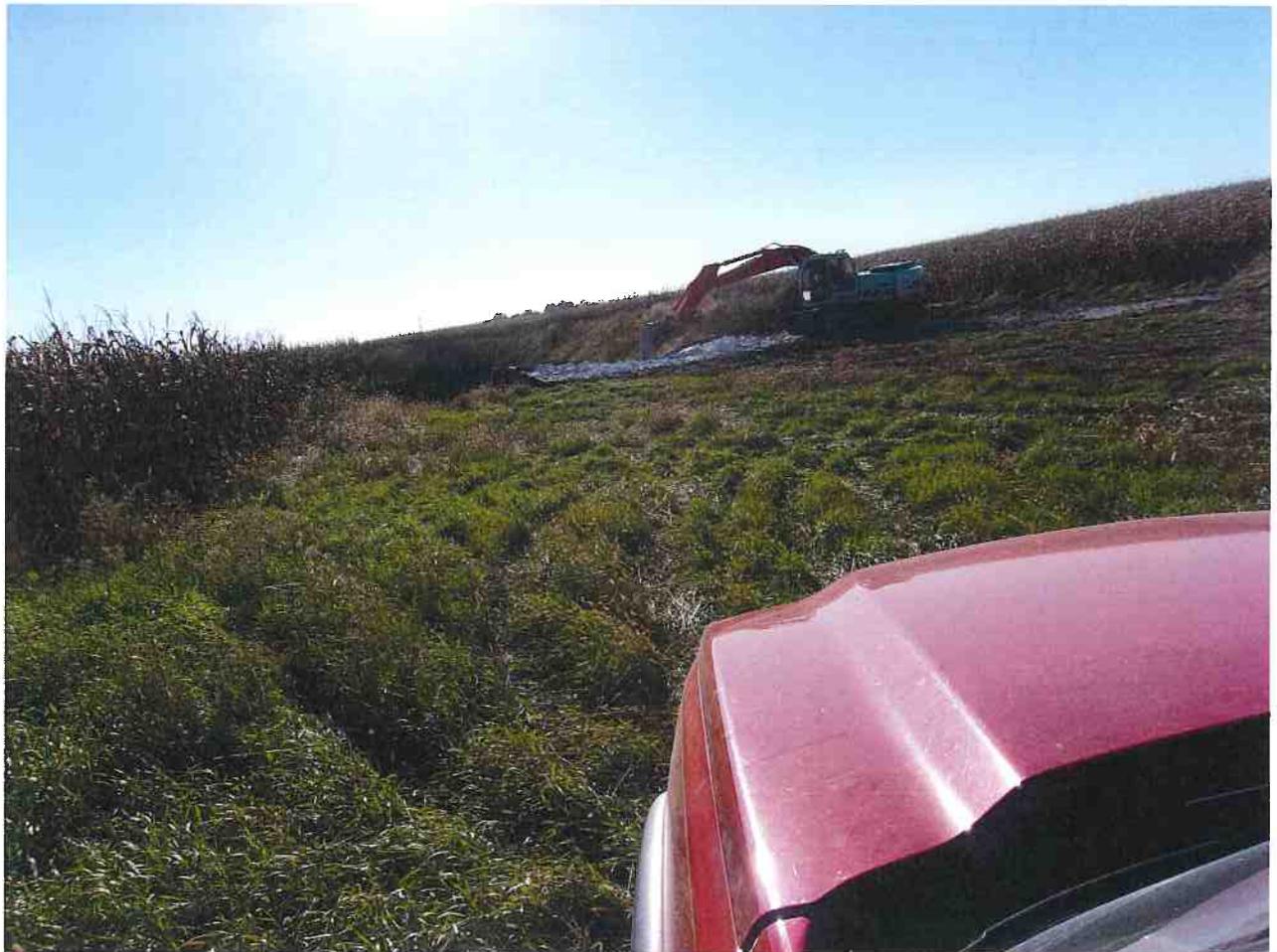












CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

2018-10-17

DAYS OF WEEK:

S	M	T	W	T	F	S
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SHEET NO.

1 OF 2

PROJECT NUMBER: 6428  
COUNTY, ROUTE, ROAD: \_\_\_\_\_  
LOCATION: DP-34

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

11:45 - arrived at site to see how bad erosion was  
- see photos

12:10 - left site

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

Observer's Signature: [Signature]

Date Prepared:

2018-10-17

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

Engineer

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









CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

10/26/18

DAYS OF WEEK:

S | M | T | W | T | **F** | S

SHEET NO.

OF

PROJECT NUMBER:

6428

COUNTY, ROUTE, ROAD:

LOCATION:

DD34 OPEN DITCH HARDIN

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

SUNNY, BREEZY FROM NE., 50°, DRY  
X ON CPT # 1 (PAVING NAH), V INTO # 4, SET NEW 3/4" x 2' IR ON FIELD DRIVE  
@ NW COR OF DRIVE @ Co. Hwy (NW FROM # 1) NEW CPT # 411  
DROVE AROUND ON WIND TOWER ROAD TO SURF SWALE, THEN S. TO OPEN DITCH  
SHOT BLOW OUT ON NEWER CONC. BUT JOINT TIE # 412, 413, THEN SHOT RIP RAP  
PLACEMENT SHOTS # 414-426., ALSO SHOT dirt GRADING LIMITS # 427-433.  
LOOKS GOOD! BUT N.O GRASS SEED YET. 10:30 A.M LEFT JOB.

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

Observer's Signature:

Date Prepared:

10/26/18

Reviewed by:



Engineer

Date Reviewed

6428 DD34 10-26-18RB

379, 3550082.644, 4938429.199, 1153.370, CMP 15" TOP  
380, 3550162.262, 4938432.934, 1154.937, CMP 15" TOP  
381, 3550240.734, 4938434.278, 1155.074, CMP 15" TOP  
382, 3551069.070, 4938330.625, 1153.080, FL 21" CONC TILE  
383, 3551073.515, 4938325.834, 1153.059, FL 21" CONC TILE  
384, 3550978.986, 4938446.531, 1152.247, FL 22" CONC TILE  
385, 3550981.261, 4938443.074, 1152.328, FL 22" CONC TILE  
386, 3550873.192, 4938595.251, 1151.156, FL 22" CONC TILE  
387, 3550880.997, 4938586.035, 1151.323, FL 22" CONC TILE  
388, 3550977.477, 4938438.106, 1156.887, FL 4" PLST TILE  
389, 3551062.915, 4938320.192, 1157.465, FL 4" PLST TILE  
390, 3551080.395, 4938314.551, 1159.628, GS  
391, 3550988.572, 4938433.899, 1159.050, GS  
392, 3550887.415, 4938579.226, 1158.080, GS  
393, 3550765.991, 4938667.124, 1153.119, TOP 32" CONC TILE@4" PLAST CON  
394, 3550745.918, 4938670.375, 1153.102, TOP 32" CONC TILE@TURN  
395, 3550882.361, 4938584.106, 1151.231, FL 22" CONC TILE  
396, 3549815.701, 4938716.671, 1158.425, ir38 y6586 flsh  
397, 3549563.627, 4938721.972, 1158.425, Cogo  
398, 3549564.186, 4938721.950, 1149.268, fnl e-n  
399, 3549451.435, 4938620.675, 1157.780, fnl nw-se  
400, 3549440.166, 4938639.442, 1156.460, fnl se-nw  
401, 3549620.897, 4938564.602, 1154.963, fnl se-nw  
402, 3549814.908, 4938500.455, 1156.859, fnl se-nw-w  
403, 3549823.525, 4938499.891, 1157.164, fnl se-e  
404, 3549822.075, 4938716.816, 1158.822, fnl s-w  
405, 3549814.566, 4938352.833, 1158.822, hub  
406, 3549769.566, 4938352.964, 1158.822, hub  
407, 3549814.996, 4938500.426, 1158.822, sir  
408, 3549770.040, 4938515.290, 1158.822, sir  
409, 3549770.630, 4938717.619, 1158.822, sir  
410, 3549929.739, 4938499.164, 1156.149, TOP NW COR PARA  
411, 3549846.252, 4938362.672, 1164.474, CPT 3/4X2  
412, 3550802.007, 4938652.238, 1157.946, GS BLOWOUT  
413, 3550782.643, 4938662.468, 1157.945, GS BLOWOUT  
414, 3550682.253, 4938640.173, 1158.772, GS RIPRAP  
415, 3550667.143, 4938632.954, 1158.423, GS RIPRAP  
416, 3550655.877, 4938623.834, 1157.946, GS RIPRAP  
417, 3550676.566, 4938652.238, 1157.810, GS RIPRAP  
418, 3550670.351, 4938661.983, 1157.862, GS RIPRAP  
419, 3550661.713, 4938671.602, 1158.335, GS RIPRAP  
420, 3550650.679, 4938662.533, 1158.847, GS RIPRAP  
421, 3550636.235, 4938645.109, 1158.386, GS RIPRAP  
422, 3550643.571, 4938634.269, 1154.702, TOP RIPRAP  
423, 3550649.116, 4938631.130, 1155.331, TOP RIPRAP  
424, 3550657.330, 4938638.370, 1156.853, TOP RIPRAP  
425, 3550651.427, 4938645.264, 1157.277, TOP RIPRAP  
426, 3550663.063, 4938650.389, 1158.094, TOP RIPRAP  
427, 3550618.696, 4938660.021, 1158.756, GS DIRTWORK LIMITS  
428, 3550657.772, 4938699.767, 1159.089, GS DIRTWORK LIMITS  
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503, 3549902.081, 4938486.264, 1158.000, GRADING LIMITS  
504, 3549904.778, 4938470.890, 1158.000, GRADING LIMITS  
505, 3549906.004, 4938466.449, 1158.000, GRADING LIMITS  
506, 3549917.971, 4938416.097, 1158.000, GRADING LIMITS  
507, 3549923.292, 4938399.566, 1158.000, GRADING LIMITS  
508, 3549931.235, 4938398.056, 1158.000, GRADING LIMITS  
509, 3549940.930, 4938394.968, 1158.000, GRADING LIMITS

10/20/18

6428 DD34 10-26-18RB

510,3549948.004,4938391.933,1158.000,GRADING LIMITS  
 511,3549962.798,4938384.588,1158.000,GRADING LIMITS  
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 513,3549993.056,4938368.905,1158.000,GRADING LIMITS  
 514,3550011.185,4938359.817,1158.000,GRADING LIMITS  
 515,3550026.534,4938354.833,1158.000,GRADING LIMITS  
 516,3550036.214,4938354.142,1158.000,GRADING LIMITS  
 517,3550063.892,4938351.934,1158.000,GRADING LIMITS  
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 545,3550617.689,4938511.264,1158.000,GRADING LIMITS  
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 556,3550523.549,4938620.499,1158.000,GRADING LIMITS  
 557,3550505.315,4938607.236,1158.000,GRADING LIMITS  
 558,3550447.705,4938567.400,1158.000,GRADING LIMITS  
 559,3550423.430,4938551.937,1158.000,GRADING LIMITS  
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 565,3550283.533,4938514.971,1158.000,GRADING LIMITS  
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 567,3550223.747,4938506.045,1158.000,GRADING LIMITS  
 568,3550157.469,4938501.209,1158.000,GRADING LIMITS  
 569,3550129.868,4938506.531,1158.000,GRADING LIMITS  
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 571,3550111.569,4938504.931,1158.000,GRADING LIMITS  
 572,3550106.387,4938504.499,1158.000,GRADING LIMITS

## Drainage District:

#25 Lat 3

## Investigation Summary:

- Landowner in NW¼ SW¼ Section 22, Township 86 North, Range 22 West reported water boiling out of ground in area of fenceline beside field near previous repair.
- Visual observation found soil to be totally saturated in area where Lateral 3 tile intersects said fenceline. Adjacent to said intersection, two trees were found to be growing within the fenceline.
- This area is approximately 150 feet upstream of upstream end of previous tile repair.

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

None recorded, only investigation performed.

## Additional Actions Recommended:

Based on the above, it appears that tree roots have plugged the Lateral 3 tile. Therefore, CGA recommends the following:

- Remove trees from area affecting Lateral 3 tile and either remove or treat stumps to prevent regrowth.
- Excavate and replace affected Lateral 3 tile with dual wall HDPE and concrete collars. This could be either just at the tree location or from the previous repair upstream to the tree location.
- It is the opinion of CGA that the total construction cost of these repairs would be approximately \$5,000 to \$12,000 (depending on which option is selected). This cost is low enough that neither a hearing nor an engineer's report would be required.





# Drainage Work Order Request For Repair

## Hardin County

Date: 10/15/2018

Work Order #: WO00000226

Drainage District: Drainage Districts \DD 25 (51048)

Sec-Twp-Rge: 22-86-22 Qtr Sec: SW

Location/GIS: 86-22-22-326-002

Requested By: LaVerne Severseike

Contact Phone: (515) 290-2614

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

Landowner (if different): Keith Dubberke

Description: DD 25 Lat 3 - Water boiling out of ground, just NW of previous repair in apple orchard.

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

\_\_\_\_\_

\_\_\_\_\_

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

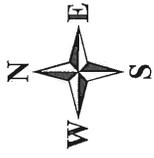
Please reference work order # and send statement for services to: Hardin County Auditor's Office  
Attn: Drainage Clerk  
1215 Edgington Ave, Suite 1  
Eldora, IA 50627  
Phone (641) 939-8111  
Fax (641) 939-8245

For Office Use Only

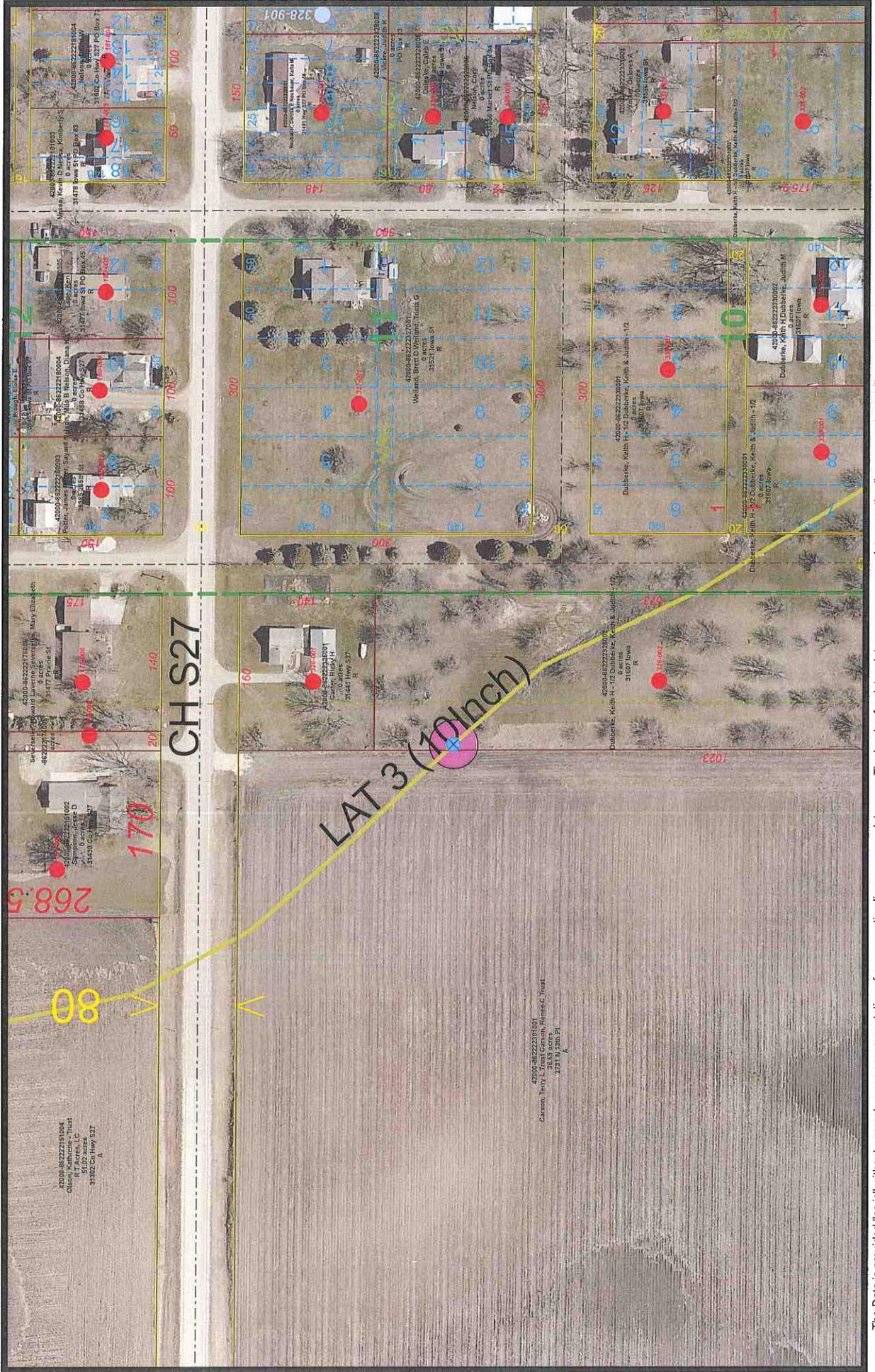
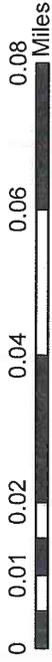
Approved: \_\_\_\_\_ Date: \_\_\_\_\_



# Hardin County Auditor's Office



Date: 10/15/2018



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 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.

CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

10/26/18

DAYS OF WEEK:

S | M | T | W | T | **F** | S

SHEET NO.

1 OF 1

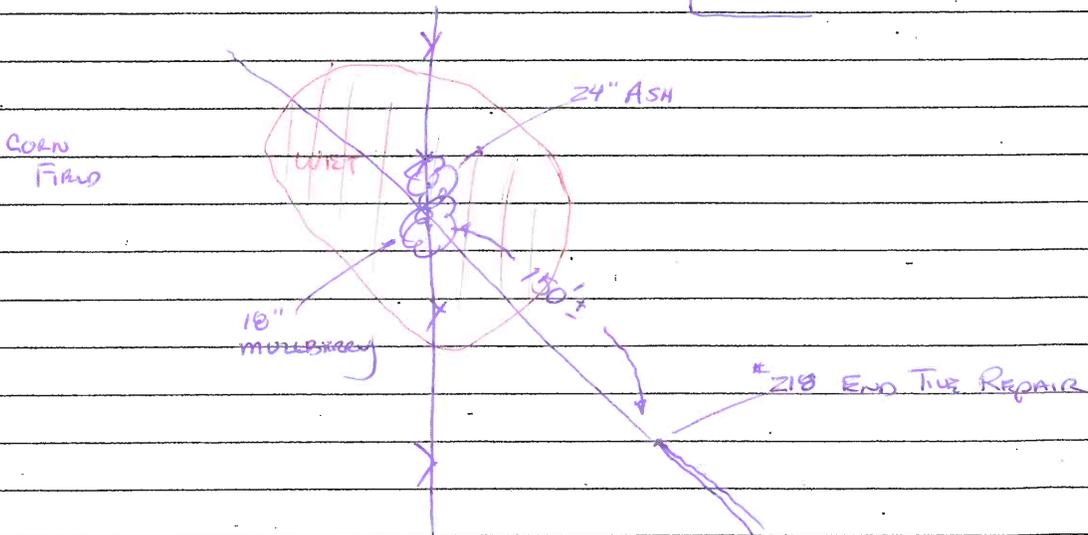
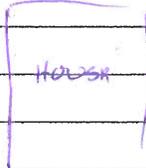
PROJECT NUMBER: 6501.6  
COUNTY, ROUTE, ROAD: DD25 HARDIN  
LOCATION: \_\_\_\_\_

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

Sunny, 55°, No Rain For 2 weeks

TALKED TO LAVERN SIEVERS LIKE ABOUT WET SPOT @ TREE IN FENCE LINE. HE NEEDS TO HAVE IT FIXED ASAP TO GET CROPS OUT, OR HE WOULD TRY TO FIX IT.

WALKED OUT TO PLACE WHERE TILE REPLACEMENT ENDED, WALKED UPSTREAM @ WHITE FLAG AREA, TOTALLY SATURATED GROUND @ TREE LOCATION. IM SURE TILE GOES UNDER A 24" ASH, AND 18" MULBERRY. TREES NEED TO BE REMOVED AND TILE REPLACE FROM #218 @ TILE REPLACEMENT TILL ROOT BOX LOCATION 150'±



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

Observer's Signature: [Signature]

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

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

Engineer

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

Looking upstream on the route, wet area @ white flags



STANDING WATER TILE REPLACEMENT ENDED, LOOKING UPSTREAM



1,3548391.302,4949528.811,1169.931,FL 10" TILE  
2,3548381.397,4949551.507,1173.942, TOP INTK GRATE  
3,3548389.034,4949554.645,1174.819, UGCABLE FIBER  
4,3548415.966,4949575.448,1174.428, CASING SURF DRAIN  
5,3548405.662,4949531.602,1174.266, GS EXPLOR AREA  
6,3548361.907,4949532.691,1174.838, GS EXPLOR AREA  
7,3548315.638,4949533.703,1175.160, GS EXPLOR AREA  
8,3548272.610,4949534.632,1175.340, GS EXPLOR AREA  
9,3548234.106,4949535.310,1175.280, GS EXPLOR AREA  
10,3548257.640,4949582.869,1174.749, SINK HOLE  
11,3548260.241,4949600.007,1180.327, CL RR  
12,3548417.417,4949600.351,1180.686, CL RR  
13,3548419.643,4949627.240,1177.318, TOP CASING  
14,3548419.735,4949627.692,1174.316, FL CASING  
15,3548419.992,4949489.403,1169.913, FL 10" CLAY TILE  
16,3548417.372,4949493.053,1169.907, FL 10" CLAY TILE  
17,3548599.446,4949528.407,1175.996, GS POND AREA  
18,3548630.794,4949431.005,1175.812, GS POND AREA  
19,3548551.975,4949324.400,1175.649, GS POND AREA  
20,3548536.702,4949221.784,1175.660, GS POND AREA  
21,3548563.306,4949094.542,1175.537, GS POND AREA  
22,3548552.751,4948980.600,1175.781, GS POND AREA  
23,3548469.453,4948962.017,1175.938, GS POND AREA  
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25,3548333.259,4949146.421,1175.743, GS POND AREA  
26,3548258.828,4949347.878,1175.201, GS POND AREA  
27,3548143.776,4949451.066,1175.768, GS POND AREA  
28,3548117.557,4949522.293,1176.100, GS POND AREA  
29,3548411.803,4948960.713,1175.950, GS PATH 8'  
30,3548371.986,4948924.331,1177.047, GS PATH 8'  
31,3548307.498,4948886.785,1179.036, GS PATH 8'  
32,3548248.120,4948852.247,1180.359, GS PATH 8'  
33,3555150.559,4946719.581,1202.123, USGS8012  
34,3548241.340,4949669.301,1170.405, TOP PIPE 6" CLAY  
35,3548234.828,4949667.930,1171.550, GS PIPE 6" CLAY  
36,3548229.031,4949668.704,1171.929, GS PIPE 6" CLAY  
37,3548223.695,4949670.151,1172.034, GS PIPE 6" CLAY  
38,3548167.936,4949670.750,1169.190, TOP PIPE 12" CLAY  
39,3548164.691,4949672.369,1168.420, TOP PIPE 12" CLAY  
40,3548091.090,4949811.405,1174.064, TILE LOCATE  
41,3548203.224,4949650.874,1173.466, TILE LOCATE  
42,3548195.890,4949657.465,1173.533, GS  
43,3548222.340,4949652.447,1173.848, FE REMAINS  
44,3548260.943,4949657.637,1173.861, GS  
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54,3548123.964,4949744.019,1173.754, UGEL  
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84,3544591.218,4952327.313,1148.679,SIGN ROAD MAINT  
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86,3544105.481,4953480.380,1137.105,FL 24"CMP  
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114,3548773.832,4949252.716,1172.922,FL CLAY10"  
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116,3548774.468,4949251.638,1172.997,TOP CLAY10"  
117,3548764.726,4949251.280,1176.692,GS HIGH TILELOCATE  
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120,3548658.861,4949228.161,1176.193,GS HIGH TILELOCATE  
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133,3548258.145,4949589.613,1177.439,SINK HOLE INBALAST  
200,3551978.267,4948400.105,1188.112,TOP 10" VCP TILE  
201,3552027.762,4948382.594,1188.409,TOP 10" VCP TILE  
202,3551954.698,4948408.829,1191.623,GS FLAG ABOVE TILE  
203,3551932.568,4948415.463,1191.447,GS FLAG ABOVE TILE  
204,3551903.413,4948424.093,1191.015,GS MARK ABOVE TILE  
205,3551873.770,4948431.224,1190.830,GS MARK ABOVE TILE  
206,3552008.872,4948389.415,1188.148,TOP 10" VCP TILE END REMOVAL  
208,3552038.632,4948380.743,1188.651,TOP 6" VCP  
209,3552080.104,4948361.294,1188.550,TOP VCP TILE  
210,3552199.428,4948292.676,1193.542,GS SOFT AREA  
211,3552180.491,4948303.539,1193.301,GS SOFT AREA  
212,3552155.835,4948318.628,1193.140,GS SOFT AREA  
213,3552494.128,4948293.581,1199.418,CP MAG TOP RCP  
214,3552166.241,4948306.025,1192.759,TRD 2.0' DIA REMOVAL  
215,3552107.879,4948347.994,1187.950,FL 8" VCP TILE  
216,3552145.860,4948324.954,1188.293,FL 8" VCP TILE  
217,3552168.062,4948311.242,1188.439,FL 8" VCP TILE  
218,3552190.242,4948297.779,1189.260,TOP 8" VCP TILE END REMOVAL  
219,3552106.051,4948337.672,1192.137,TRD 4.0' DIA CLUSTER REMOVAL  
220,3552181.323,4948233.665,1195.193,IR 58 BM  
221,3552027.484,4948382.247,1188.263,TOP 10" DWHDPE TILE  
222,3552037.332,4948378.683,1188.387,TOP 10" DWHDPE TILE END DAY  
223,3552037.842,4948378.412,1188.539,TOP DWHDPE 10"\*10"\*6" TEE  
224,3552038.156,4948379.247,1188.247,TOP 6" NONPERF TILE  
225,3552012.578,4948390.366,1191.943,GS  
226,3552066.014,4948367.597,1188.606,TOP 10" DWHDPE TILE  
227,3552061.373,4948362.336,1191.975,GS  
228,3552100.481,4948344.642,1192.422,GS  
229,3552133.759,4948328.562,1192.835,GS  
230,3552183.841,4948296.894,1193.228,GS  
231,3552102.306,4948350.352,1188.790,TOP 10" DWHDPE TILE  
232,3552128.931,4948342.191,1188.923,TOP 7" VCP TILE 0.62'TOPTOFL  
233,3552120.715,4948339.954,1189.096,TOP 10"\*10"\*10" DWHPPEWYE TILE  
234,3552139.296,4948329.181,1189.046,TOP 10" DWHDPE TILE END DAY  
235,3552122.414,4948340.734,1188.971,TOP 10"/8" REDUCER  
236,3552124.645,4948341.409,1189.056,TOP 8" SW NON PERF  
237,3552127.530,4948341.564,1189.063,TOP 8" SW NON PERF  
238,3552122.161,4948340.697,1189.115,TOP 10" WYE STUB  
239,3552074.506,4948369.457,1192.584,TRD 4.0' DIA CLUSTER REMOVAL  
240,3552481.511,4948229.742,1198.641,FENCE S  
241,3552253.238,4948230.823,1195.541,FENCE N-S  
242,3551999.158,4948230.958,1197.594,FENCE N-S  
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312,3547245.598,4952233.429,1173.194,READING  
400,3547895.603,4950130.412,1176.124,EOG  
401,3547895.361,4950076.538,1175.780,EOG  
402,3547921.535,4950109.538,1175.991,EOG

403,3547920.263,4950081.924,1175.576,EOG  
404,3547909.728,4950074.307,1175.614,EOG  
405,3547896.843,4950027.860,1175.358,GS  
406,3547897.215,4949933.772,1174.930,GS  
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408,3547898.932,4949737.857,1173.934,GS  
409,3547900.114,4949657.684,1176.814,GS CROP/ GRASS  
410,3547900.323,4949655.898,1177.178,GS GRASS  
411,3547900.171,4949652.786,1178.698,GS GRASS  
412,3547900.341,4949633.700,1179.663,GS GRASS  
413,3547800.115,4949636.220,1178.832,GS GRASS  
414,3547800.196,4949641.089,1178.142,GS GRASS  
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 8011\_GNSS, 3539544.190, 4946944.550, 1153.580, Autonomous Setup

## Drainage District:

#38 Lat 4

## Investigation Summary:

- Landowner in the SE¼ NE¼ Section 15 Township 89 North, Range 22 West reported standing water in field and unable to harvest 15 acres, but they had a contractor that could be on-site within 2 days.
- Called landowner on November 1, 2018 and left message with no response to date.
- Visual observation found standing water along the presumed route of the Lateral 4 tile on both sides of the fenceline between landowner and neighbor to the north. Landowner has harvest corn at location of standing water, but neighbor to the north has unharvested beans in the standing water.
- Visual observation also found standing water just north of 120<sup>th</sup> Street at the presumed connection of the Lateral 4 tile and the Main tile in the SW¼ SE¼ of Section 10.
- Drainage intake in the south ditch of 120<sup>th</sup> Street (offset from Lateral 4) was observed to be dry.
- Aerial photography indicates the area north of 120<sup>th</sup> Street to have been wet within the last 5 years as well.

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

None recorded, as only investigation was performed.

## Additional Actions Recommended:

- If landowner does not have a contractor on call, assign project to the lottery system.
- Starting on north side of 120<sup>th</sup> Street and working upstream, excavate Lateral 4 tile at regular intervals to determine cause of standing water.





# Drainage Work Order Request For Repair

## Hardin County

11-1-18  
Called + left  
message

Date: 10/29/2018

Work Order #: WO00000231

Drainage District: Drainage Districts \DD 38 (51063)

Sec-Twp-Rge: 15-89-22 Qtr Sec: NE

Location/GIS: 89-22-15-200-004

Requested By: Justin Huebner

Contact Phone: (641) 780-1423

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

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

Description: DD 38 Lat 4 - Water standing SW of hog buildings in SE NE 15-89-22. All crops are out except 15 acres under water. Would love to have it fixed right away to finish harvesting & could have a contractor out there in 2 days. Please call when going to be out.

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

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

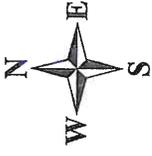
Please reference work order # and send statement for services to:  
Hardin County Auditor's Office  
Attn: Drainage Clerk  
1215 Edgington Ave, Suite 1  
Eldora, IA 50627  
Phone (641) 939-8111  
Fax (641) 939-8245

For Office Use Only

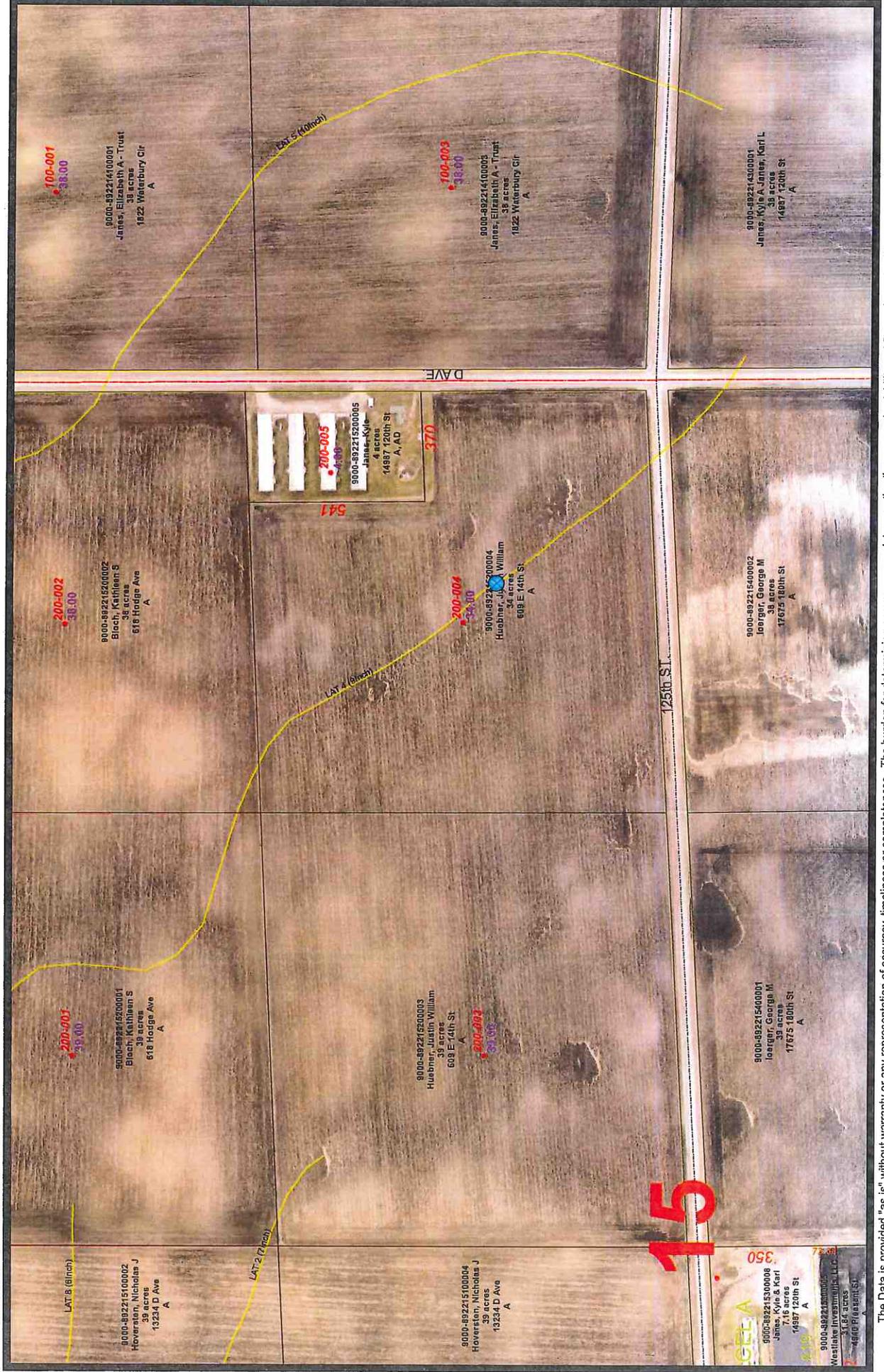
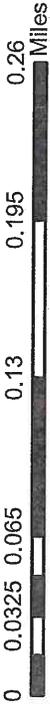
Approved: \_\_\_\_\_ Date: \_\_\_\_\_



# Hardin County Auditor's Office



Date: 10/29/2018



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CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

11/5/18

DAYS OF WEEK:

S M T W T F S

SHEET NO.

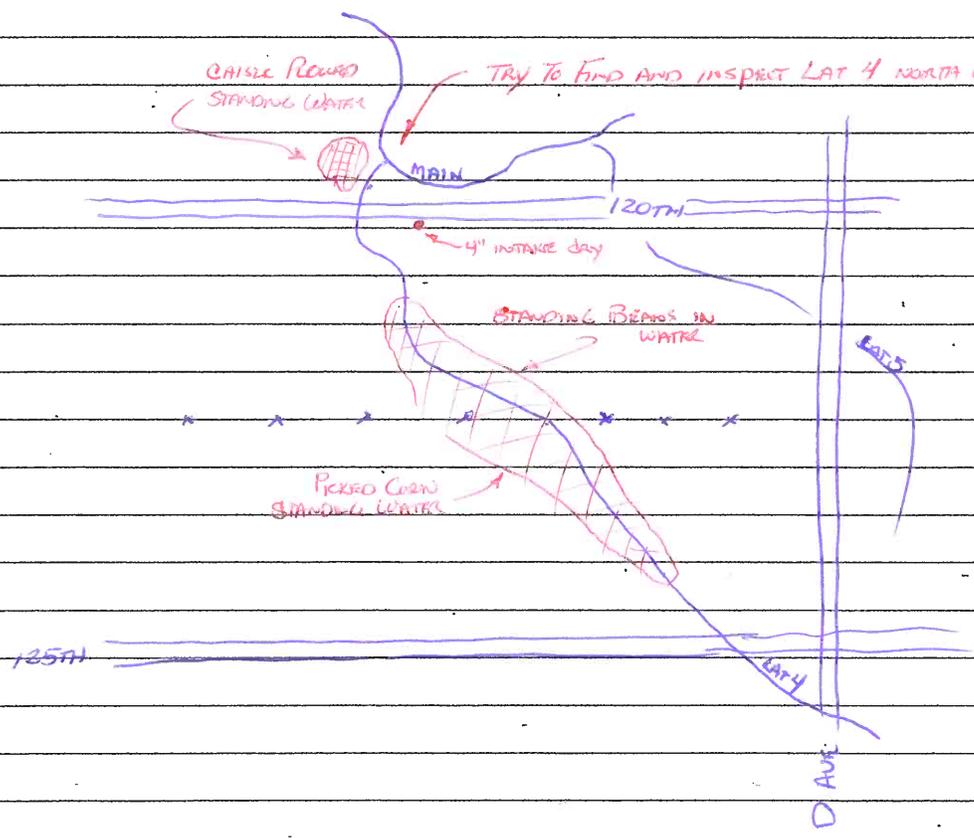
1 OF 1

PROJECT NUMBER: 6739  
 COUNTY, ROUTE, ROAD: DD38  
 LOCATION: D AVE, BETWEEN 120TH AND 125TH

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

RAIN, MUD, STANDING WATER

LOOKED @ SITE WITH STANDING WATER SW OF HOG HOUSE. CORN HAS BEEN PICKED. GOING DOWN STREAM ON LAT 4, THERE IS STANDING BEANS IN WATER JUST S. OF 120TH ST., ALSO THERE IS STANDING WATER JUST N. OF 120TH @ MAIN (20") AND LAT 4 (14"). THIS IS PROBABLY THE FIRST PLACE TO INVESTIGATE. THEN WORK UPSTREAM. THERE IS A 4" PE INTAKE RISER IN S. DITCH OF 120TH ST., NOT ON LAT 4 AND IS DRY. COULD NOT SEE ANY OTHER WET AREAS ON MAIN TO LAT 1 (BIG 4)



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

Observer's Signature:

*[Handwritten Signature]*

Date Prepared:

11/5/18

Reviewed by:

\_\_\_\_\_

Engineer

Date Reviewed

WET AREA @ MAIN AND LAT 4



BEANS STANDING IN WET AREA, S. OF 120TH



WATER STANDING @ UPPER END OF LATH @ HOG HOUSE





# Drainage Work Order Request For Repair

## Hardin County

**Date:** 11/7/2018

**Work Order #:** WO00000236

**Drainage District:** Drainage Districts \DD 86 (51114)

**Sec-Twp-Rge:** 23-89-21      **Qtr Sec:** NE

**Location/GIS:** 89-21-23-200-007

**Requested By:** Tom Campbell

**Contact Phone:** (641) 373-2422

**Contact Email:** tcampbell@iowapower.com (Elizabeth 641-648-9040)

**Landowner (if different):** Elizabeth Campbell

**Description:** DD 86 - Tile damage on property.

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

\_\_\_\_\_

\_\_\_\_\_

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

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

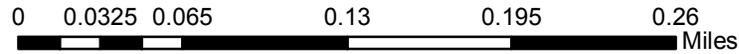
Hardin County Auditor's Office  
 Attn: Drainage Clerk  
 1215 Edgington Ave, Suite 1  
 Eldora, IA 50627  
 Phone (641) 939-8111  
 Fax (641) 939-8245

For Office Use Only

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



# Hardin County Auditor's Office



Date: 11/8/2018



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## Tina Schlemme

---

**From:** Lee Gallentine <LGallentine@cgaconsultants.com>  
**Sent:** Wednesday, November 07, 2018 12:41 PM  
**To:** Lee Gallentine; Tina Schlemme  
**Subject:** Fwd: Tile blowout on Elizabeth Campbell's property  
**Attachments:** IA083\_F6466\_T10524.pdf

Tom,  
Thank you for the follow up email and map. I don't know if the District Trustees are aware of this issue on DD 86 or not, so I am forwarding this to the Drainage Clerk for review and approval by the District Trustees. Please let me or her know if you have any questions.

Thanks,  
Lee

Sent from my U.S.Cellular© Smartphone

----- Original message -----

**From:** Tom Campbell <tcampbell@iowapower.com>  
**Date:** 11/7/18 12:24 PM (GMT-06:00)  
**To:** Lee Gallentine <LGallentine@cgaconsultants.com>  
**Subject:** Tile blowout on Elizabeth Campbell's property

Hello Lee,

I left a voice mail and thought it would be best to follow up with a map of where the tile damage is located on my mother's property.

Here address is 1955 Georgetown Rd, Iowa Falls. 641-648-9040.

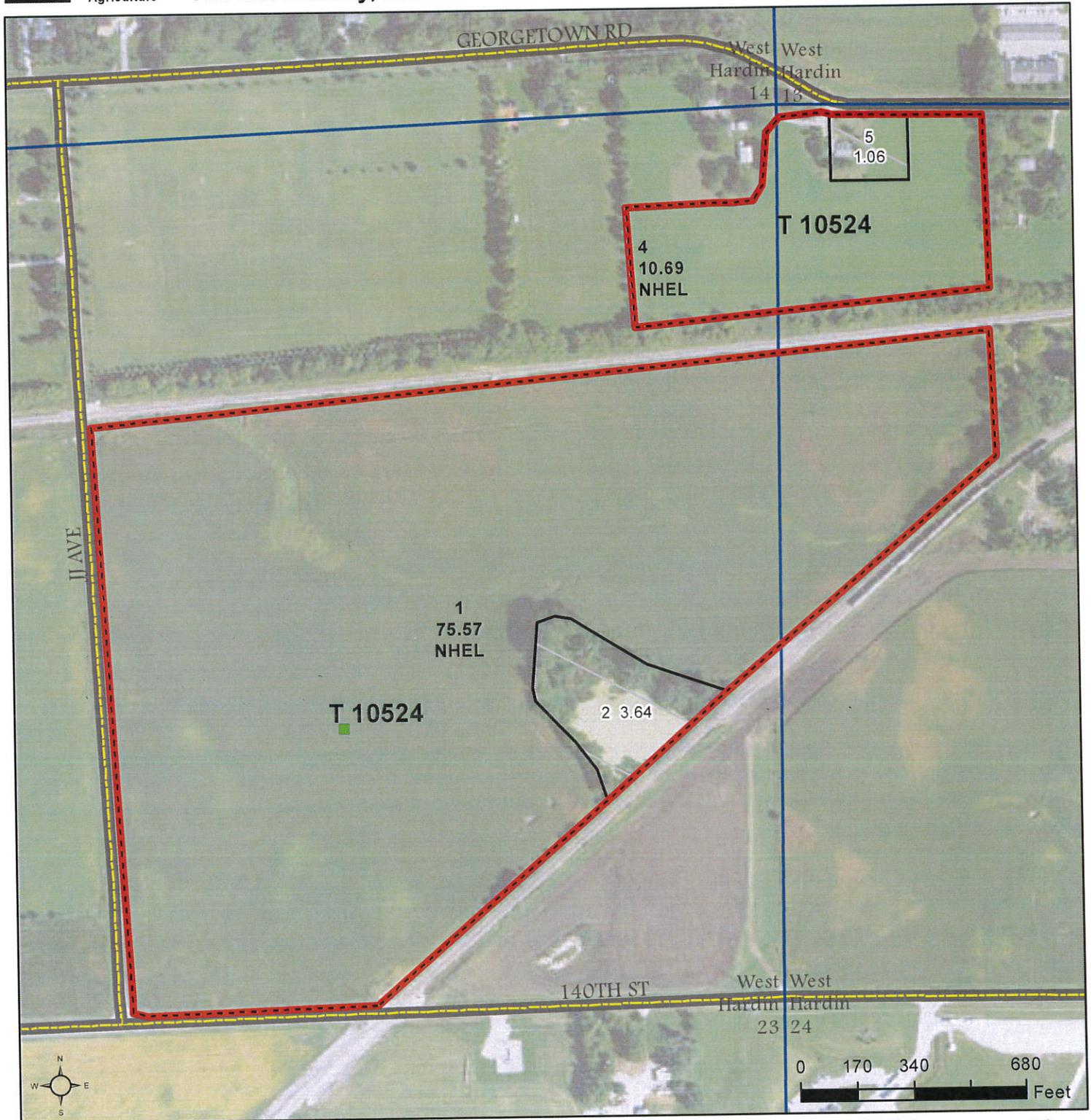
Thank you,

Tom Campbell  
Iowa Falls  
641-373-2422



United States  
Department of  
Agriculture

# Hardin County, Iowa



### Legend

- Non-Cropland
- Cropland
- CRP
- Tract Boundary
- Iowa PLSS
- Iowa Roads

### Wetland Determination Identifiers

- Restricted Use
- ▼ Limited Restrictions
- Exempt from Conservation
- Compliance Provisions

Tract Cropland Total: 86.26 acres

2018 Program Year

Map Created March 08, 2018

**Farm 6466**  
**Tract 10524**

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

USDA is an equal opportunity provider, employer, and lender.

# REGULAR DRAINAGE MEETING

9/26/2018 - Minutes

1. Open Meeting

Hardin County Board of Supervisors Chairman, BJ Hoffman, opened the meeting. Also present were Supervisors, Lance Granzow and Renee McClellan; Lee Gallentine with Clapsaddle-Garber Associates (CGA); Drainage Clerk, Tina Schlemme.

2. Approve Agenda

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

3. Approve Minutes

McClellan moved, Granzow seconded to approve the minutes of the September 19, 2018 regular drainage meeting. All ayes. Motion carried.

4. Approve Claims For Payment

McClellan moved, Granzow seconded to approve the claims for payment with pay date of Friday, September 28, 2018. All ayes. Motion carried.

DD 22 Eng Svcs 7/21-8/18/18	Clapsaddle-Garber Assoc	\$3,691.46
DD 26 LAT 4 ENG SVCS 11/18/17-8/18/18	Clapsaddle-Garber Assoc	\$1,156.95
DD 167 ENG SVCS 7/13-9/14	Clapsaddle-Garber Assoc	\$ 274.90
DD 25 LAT 3 COMM RE UPRR REPAIR 6/1-9/14/18	Clapsaddle-Garber Assoc	\$ 384.90
DD 41 ENG SVCS 8/3-9/14/18	Clapsaddle-Garber Assoc	\$ 488.30
DD 52 LEGAL FEES RE TREES	The Davis Brown Law Firm	\$ 605.00
DD 52 ENG SVCS 8/3-9/14/18	Clapsaddle-Garber Assoc	\$ 296.10
DD 55-3 LAT 12 ENG SVCS 7/13-9/14/18	Clapsaddle-Garber Assoc	\$ 520.15
DD 77 ENG SVCS 8/3-9/14/18	Clapsaddle-Garber Assoc	\$ 913.65
DD 143 ENG SVCS 7/6/18-9/14/18	Clapsaddle-Garber Assoc	\$3,010.00
DD 148 ENG SVCS 7/20-9/14/18	Clapsaddle-Garber Assoc	\$ 221.70

5. DD 25 - Discuss, With Possible Action, Contractor Updates

It was discussed that contractor, Farm Tile Pro, would like to terminate their contract because of the delay of project. They have submitted an invoice for bond cost of \$4,926.00. Gallentine stated these actions were within the contract policies. Granzow moved, McClellan seconded to approve the contract cancelation and payment of invoice only when Farm Tile Pro submits receipt of the actual bond cost and verifies that there will be no further claims or fees submitted for this project. All ayes. Motion carried.

6. DD 52 - Discuss, With Possible Action, Project Updates

Gallentine stated he has not received any response from Piel Manufacturing regarding the tree situation. McClellan moved, Granzow seconded to instruct Attorney, Mike Richards, to file a petition. All ayes. Motion carried.

7. DD 124 - Discuss, With Possible Action, Blowouts Discovered

It was brought to the Trustees attention that while out locating the tile for Midland, there were several blowouts in the tile leading from the road to the outlet. The Trustees agreed to hold a landowner meeting after harvest on Wednesday, December 5, 2018 at a time to be determined, to discuss the situation with the landowners. All ayes. Motion carried.

8. Approve Resolution 2018-1 Regarding Projects Involving Railroad Entities

Schlemme updated the Trustees that Attorney, Mike Richards, had made a few minor changes to the resolution. He wanted the trustees to understand that if the 468.109 notice is served, that it is being demanded they perform the work. Therefore, they can still do the work themselves if they want. Granzow moved, McClellan seconded to approve Resolution 2018-1 Drainage Projects Involving Railroad Entities. Roll Call: Granzow, aye. McClellan, aye. Hoffman, aye. Motion carried.

## 9. Other Business

Schlemme presented the utility letter from Attorney, Mike Richards, to serve Windstream and Rural Water. Schlemme will send the letter from the Trustees directly to Radcliffe Telephone because of an attorney conflict. Granzow moved, McClellan seconded to approve the utility letter. It was discussed that Schlemme should contact the Hardin County Engineer's Department to inform them if these entities apply for utility permits with secondary roads, that they advise the board of such. All ayes. Motion carried.

DD 55-3 Lat 12 - It was discussed that Schlemme should serve the railroad the 30 day notice for construction to begin.

DD 55-3 Lat 9A - It was discussed that landowner, Joel with Kielsmeier Farms, had called with concerns regarding the recent project. He stated that his drainage is worse than before and that he believes part of the problem is due to the tile being 18 feet underground. Hoffman stated that he will call Joel to discuss.

DD 22 - Madden's request for a culvert was discussed. The Trustees agreed that if a culvert is installed an annexation will need to take place. Different options were discussed to cap the tile when not being used or for Madden to communicate with the Engineer's Office to close the road and pump manure over the road. The Trustees agreed that they would allow Hardin County Engineer, Taylor Roll, use his best judgement on how to proceed.

Gallentine updated the Trustees that contractor, Paul Williams, had emailed him concerns regarding the Trustees direction of grouping multiple repairs together rather than separate jobs. He is small enough that he cannot do the large projects. He also suggested the Trustees keeping inventory on hand for him to use and then billing just labor. The Trustees agreed that Williams should come to the next meeting to discuss it in person.

DD 34 - Gallentine updated the Trustees that he not received the proof of insurance or hourly rates from Hall Excavating yet. If nothing is received by next week, Schlemme is to contact landowner, Craig Johnson, and contractor, Hall Excavating to see how to move forward.

## 10. Adjourn Meeting

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

## Drainage District:

#146

## Investigation Summary:

- Landowner in NE¼ Section 15 Township 86 North, Range 20 West reported an eroded outlet possibly due to beaver activity from previous year.
- Visual observation found 20 feet of 18-inch rusty CMP (presumed Main tile outlet) washed out and exposed due to erosion. Just upstream, found a collapsed section of presumed Main tile.
- Visual observation also found large area eroded to east due to overland flow of water with possible eroded surface drain. Erosion area begins near presumed Main tile path upstream of existing outlet.
- Finally, visual observation tree in vicinity of Main tile outlet.

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

None recorded as only visual observation was performed.

## Additional Actions Recommended:

- Remove tree and either treat stump or remove stump to prevent regrowth.
- Remove existing rusty CMP Main tile outlet and excavate Main tile upstream far enough to install new 40-foot long CMP Main tile outlet with rodent guard.
- Install said new outlet and armor bank around the same with revetment stone.
- Total estimated construction cost will be between \$10,000-\$15,000 depending on amount of Main tile that needs to be replaced at collapsed section of Main tile.
- If desired the eroded area to the east could be repaired, but it is unclear at this point if this is the responsibility of the Drainage District or not and what regulatory permitting there would be.





# Drainage Work Order Request For Repair Hardin County

Date: 10/26/2018

Work Order #: WO00000228

Drainage District: Drainage Districts \DD 146 (51158)

Sec-Twp-Rge: 15-86-20 Qtr Sec: NE

Location/GIS: 86-20-15-200-004

Requested By: Kent Reinert

Contact Phone: (641) 640-5431

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

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

Description: 

DD 146 - Outlet is eroded with hole about 15 feet into field. Had a beaver dam last year so not sure if caused damage. End rows are harvested so have access from south edge of field.

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

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

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

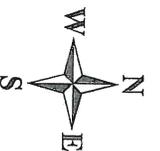
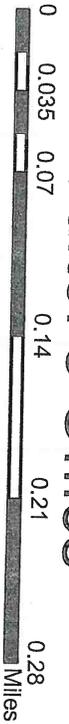
Hardin County Auditor's Office  
Attn: Drainage Clerk  
1215 Edgington Ave, Suite 1  
Eldora, IA 50627  
Phone (641) 939-8111  
Fax (641) 939-8245

For Office Use Only

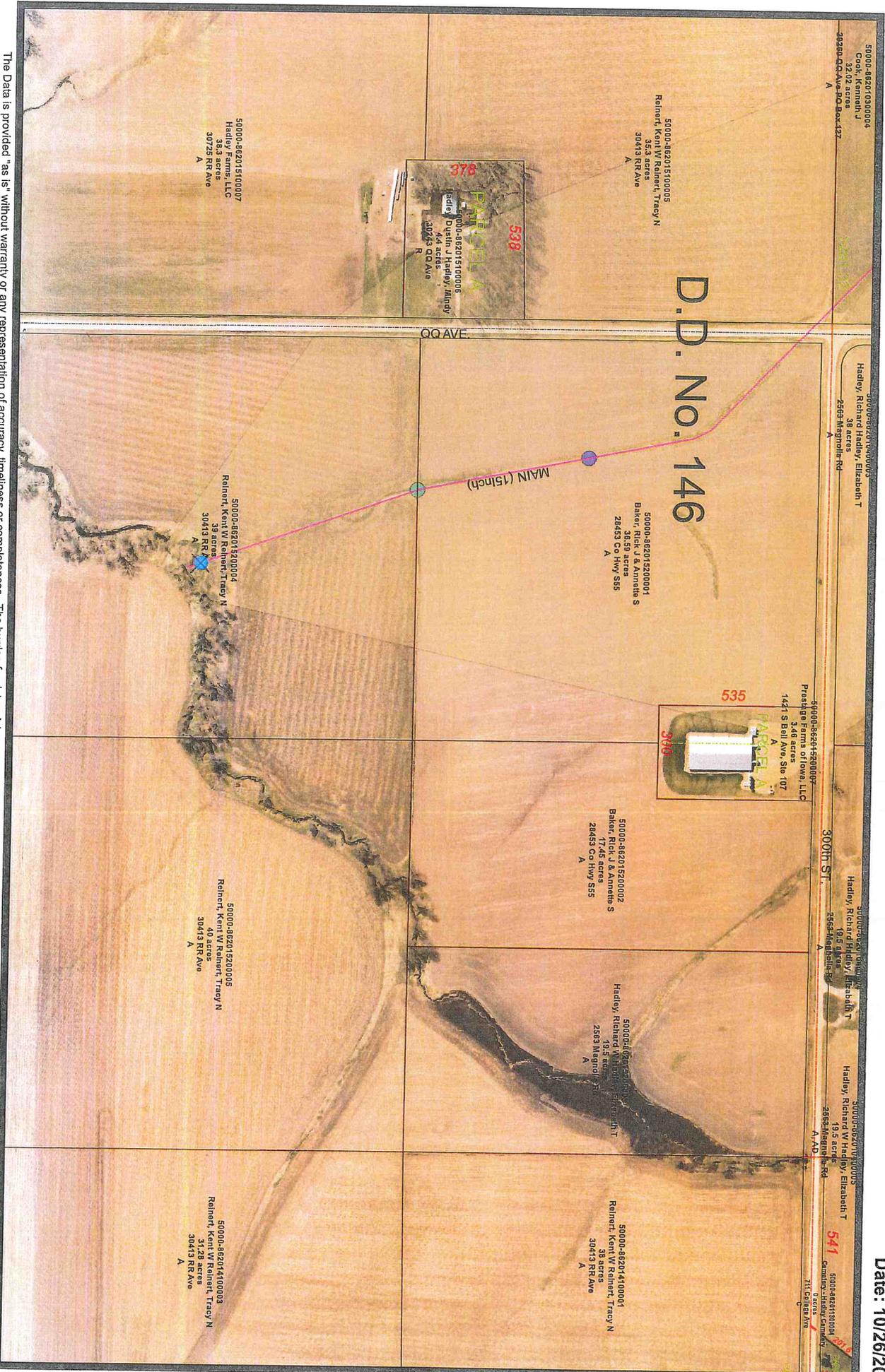
Approved: \_\_\_\_\_ Date: \_\_\_\_\_



# Hardin County Auditor's Office



Date: 10/26/2018



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CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

11/5/18

PROJECT NUMBER:

6950 L

COUNTY, ROUTE, ROAD:

00 146

LOCATION:

00 AVE, 300TH, SE

DAYS OF WEEK:

S M T W T F S

SHEET NO.

1 OF 1

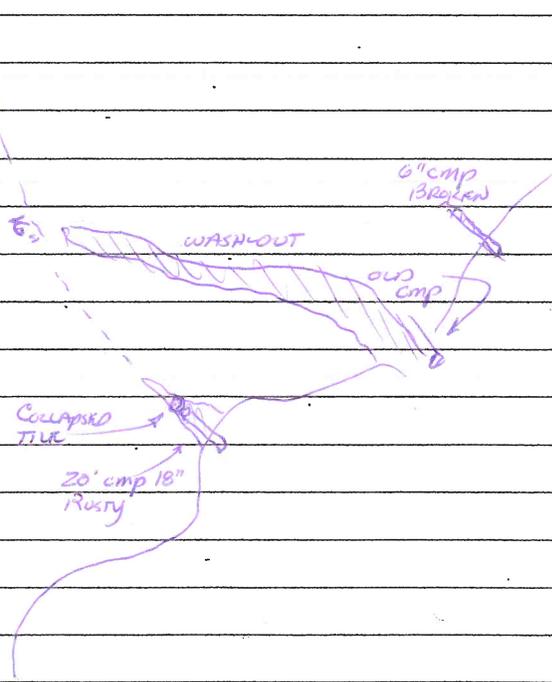
DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUE NAME, ITEM NO. AND LOCATION

Rain, 45°, Muddy Conditions

Called and talked to Kent Reinert about drawing in to comp outlet. He said comp was put in 15± years ago.

Found 20' sec of 18" rusty comp, disconnected from tile, maybe a collapsed tile @ comp connection, all dirt is washed away from comp. Would like to see a 40' section of 24" alum. comp with riprap protection @ outlet bank. Old tile route to east has long wash-out with old comp remnants to east of working outlet.

A Box Elder Tree should also be taken care of and removed.



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

Observer's Signature:

*[Handwritten Signature]*

Date Prepared:

11/5/18

Reviewed by:

Engineer

Date Reviewed

Collapsed Tile @ Gmp Hookup Site



Cmp NEEDS REPLACED



CURVE IN CREEK NEEDS ARMOUR



## Tina Schlemme

---

**From:** Lee Gallentine <LGallentine@cgaconsultants.com>  
**Sent:** Thursday, November 08, 2018 3:31 PM  
**To:** Tina Schlemme  
**Subject:** RE: DD 148

Tina,

As I mentioned, we took some preliminary shots on the main open ditch. After looking at them, it appears that the main open ditch has between ½' and 3' of silt for over 3,700' of its length. Unfortunately, the deepest silt is at the upper end of the main open ditch and the 24" main tile can no longer freely outlet (which is what alerted us to the issue). I haven't ran an opinion of probable construction cost, but I am sure that a cleanout would be over \$50,000 and that an Engineer's Report with hearing would be required. Could you please forward this on to the District Trustees and put it on the agenda for next week?

Thanks,

**Lee O. Gallentine, PLS & PE**  
**Vice President**



**Clapsaddle-Garber Associates, Inc. (CGA)**

739 Park Avenue  
Ackley, Iowa 50601

Office: 641-847-3273

Mobile: 515-689-5339

[lgallentine@cgaconsultants.com](mailto:lgallentine@cgaconsultants.com)

[www.cgaconsultants.com](http://www.cgaconsultants.com)

Ackley | Ames | Cedar Falls | Marshalltown | Webster City



---

**From:** Lee Gallentine <LGallentine@cgaconsultants.com>  
**Sent:** Wednesday, November 07, 2018 10:51 AM  
**To:** Tina Schlemme <TSchlemme@hardincountyia.gov>  
**Subject:** Re: DD 148

Tina,

Thanks for checking. Since we were out there, we went ahead and took some preliminary shots on the flowline. After we take a look at that data, we will report to the District Trustees how much silt there is.

Thanks,

Lee

Sent from my U.S.Cellular© Smartphone

----- Original message -----

From: Tina Schlemme <[TSchlemme@hardincountyia.gov](mailto:TSchlemme@hardincountyia.gov)>

Date: 11/3/18 4:34 PM (GMT-06:00)

To: Lee Gallentine <[LGallentine@cgaconsultants.com](mailto:LGallentine@cgaconsultants.com)>

Subject: DD 148

I looked at the records for DD 148 and see some work done in 1981 and a cleanout in 1984. There were beaver dams reported in 1993, 1995, 1997, 2001, 2003, 2004 and 2011. I don't show any other cleanout since 1984.

Thanks!

Tina



**TINA SCHLEMMER**

REAL ESTATE AND DRAINAGE CLERK

AUDITOR'S OFFICE

1215 EDGINGTON AVE., SUITE 1

ELDORA, IA 50627

OFFICE: 641-939-8111

FAX: 641-939-8245

[HTTP://WWW.HARDINCOUNTYIA.GOV](http://www.HARDINCOUNTYIA.GOV)

## Drainage District:

#165

## Investigation Summary:

- Landowner reported a 3 feet deep depression between the fence and creek east of S Avenue in the SW¼ of Section 5 Township 89 North, Range 19 West.
- Visual observation found rusty 15-inch CMP (presumed Main tile) outlet with tree and brush in the immediate vicinity of said outlet.
- Visual observation also found blowout/sinkhole upstream (on presumed Main tile route) in fenceline. Tile is not visible since blowout/sinkhole is filled with approximately 15 tons of field stone.
- Finally, visual observation found that there are unharvested beans upstream in standing water on presumed route of Lateral 1 tile.

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

None recorded, as only investigation was performed.

## Additional Actions Recommended:

- Remove tree and brush and either treat stumps or remove stumps to prevent regrowth.
- Remove existing rusty CMP Main tile outlet and excavate Main tile upstream far enough to install new 40-foot long CMP Main tile outlet with rodent guard.
- Install said new outlet.
- Remove field stone from blowout/sinkhole and reuse the same to armor bank around the new outlet.
- Supplement said field stone with revetment stone as needed.
- Replace Main tile as needed in sinkhole/blowout.
- Total estimated construction cost will be between \$10,000-\$20,000 depending on amount of Main tile that needs to be replaced at sinkhole/blowout.
- If desired, additional investigation into the standing water on Lateral 1 could be ordered.





# Drainage Work Order Request For Repair Hardin County

**Date:** 10/29/2018

**Work Order #:** W000000232

**Drainage District:** Drainage Districts \DD 165 Main (51180)

**Sec-Twp-Rge:** 05-89-19      **Qtr Sec:** SW

**Location/GIS:** 89-19-05-300-001

**Requested By:** Bill Ibeling

**Contact Phone:** (641) 373-1732

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

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

**Description:** DD 65 Main - Depression at least 3 feet deep between fence and creek just east of S Ave, south of hog buildings in 5-89-19. Crops are out.

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

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

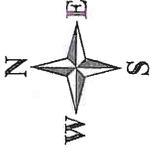
**Please reference work order # and send statement for services to:**  
Hardin County Auditor's Office  
Attn: Drainage Clerk  
1215 Edgington Ave, Suite 1  
Eldora, IA 50627  
Phone (641) 939-8111  
Fax (641) 939-8245

For Office Use Only

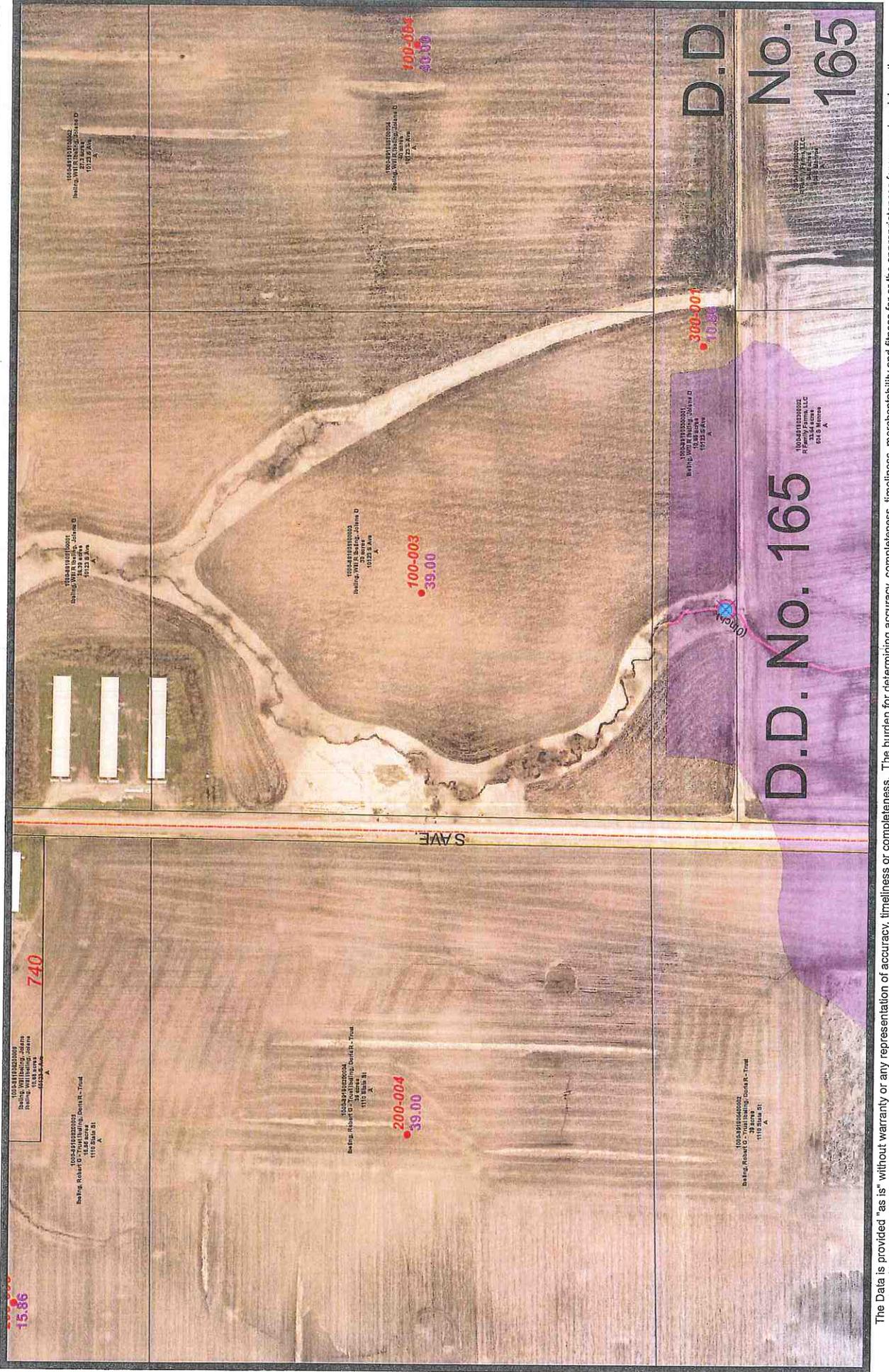
**Approved:** \_\_\_\_\_ **Date:** \_\_\_\_\_



# Hardin County Auditor's Office



Date: 10/29/2018



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CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

11/5/18

DAYS OF WEEK:

S M T W T F S

SHEET NO.

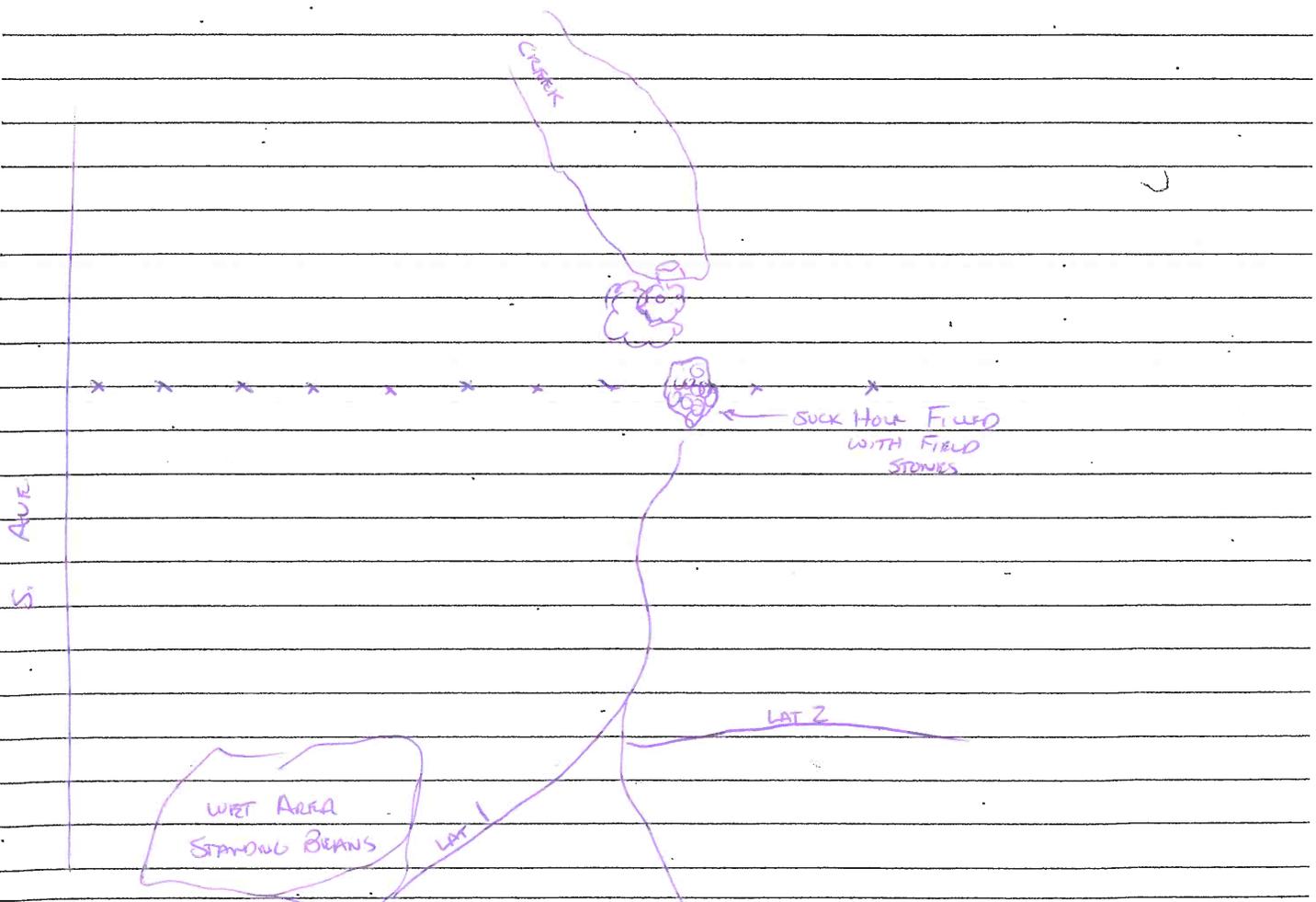
1 OF 1

PROJECT NUMBER: 6801  
COUNTY, ROUTE, ROAD: 00165 HARDIN  
LOCATION: \_\_\_\_\_

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

RAIN, mud, 42°, windy from SE.

drove to E-W Fence Ln, E. of S. Ave @ 00165 outlet, found 15" cmp  
rusty with Hackberry 6" tree on top. Plum brush also in area  
40' S. (upstream) from outlet, tire must be collapsed and farmers have  
put 15 tons of field stone in hole. farther upline to SW, I think lat 1,  
beans are standing in water. many have collapsed tire on lat 1,



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

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

Date Prepared: \_\_\_\_\_  
 Engineer

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

DD165 OUTLET Cmp



Looking South @ Main Route



WATER BOUNCES UP IN SHIK HOLE

