

**AGENDA**  
**REGULAR DRAINAGE MEETING**  
**April 24, 2019**  
**1:00 PM**

1. Open Meeting
2. Approve Agenda
3. Approve Minutes

Documents:

[4\\_10\\_2019 - MINUTES.PDF](#)  
[4\\_17\\_2019 - MINUTES.PDF](#)

4. Approve Claims For Payment  
Pay Date of Friday, April 26, 2019.

Documents:

[PAYABLES-DRAINAGE PUBLICATION.PDF](#)

5. Approve 2019 Drainage Assessments

Documents:

[2019 ASSESSMENTS.PDF](#)

6. DD 78 - Approve Work Order #246

Documents:

[DD 78 WO 246 MAP.PDF](#)  
[DD 78 WO 246.PDF](#)

7. Big Four Main- Approve Work Order #247

Documents:

[DD BIG 4 MAIN WO 247 MAP.PDF](#)  
[WOR 247.PDF](#)

8. DD 100- Approve Work Order 248

Documents:

[WOR 248.PDF](#)  
[DD 100 WO 248.PDF](#)

9. DD 148- Acknowledge Receipt Of Petition And Set Hearing Date

Documents:

[DD 148 PETITION.PDF](#)

10. DD 25- Discuss, With Possible Action, Temp Patch

Documents:

[DD 25.PDF](#)

11. DD 9- Discuss, With Possible Action, Repair Summary

Documents:

[6735-REPAIR-SUMMARY\\_2019\\_04\\_19.PDF](#)

12. Other Business

13. Adjourn Meeting

## REGULAR DRAINAGE MEETING

4/10/2019 - Minutes

1. Open Meeting

Hardin County Drainage Districts Board of Trustees Chairperson, Renee McClellan, opened the meeting. Also present were Trustees, Lance Granzow and BJ Hoffman; Landowner Scott Thompson Lee Gallentine and Zeb Stanbrough with Clapsaddle-Garber Associates (CGA); Drainage Clerks, Becca Junker and Tina Schlemme.

2. Approve Agenda

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

3. Approve Minutes

Hoffman moved, Granzow seconded to approve the minutes of the March 27, 2019 regular drainage meeting, the March 27, 2019 DD 56 hearing on engineer's report on improvements to main and the March 27, 2019 DD 148 landowner meeting. All ayes. Motion carried.

4. Discuss, With Possible Action, IRUA Update

Discussion was had regarding how to move forward with the outstanding utility permits. Hoffman moved to instruct CGA to do their due diligence to come up with a compromised list of risk to the best of their knowledge that the Trustees can work with IRUA to move forward. Granzow seconded. All ayes. Motion carried.

5. DD 165 & DD 146 - Discuss, With Possible Action, McDowell Bid

Gallentine stated that following the rejection of the bid for DD 148 Pederson Excavating would not be able to do the projects for DD 165 and DD 146 at the price they had included within the original bid. Gallentine reached out to McDowell and Sons and they were willing to do the small projects for the same price from the original bid and they were the only other bid for the original project. Gallentine asked the Trustees if they would like to send the small projects back to be rebid or if they want McDowell and Sons to complete the project. Since the larger portion of the bid was rejected, the two smaller projects are both under the bid threshold so they do not have to go back to lottery.

Hoffman motioned to award McDowell and Sons the repair of DD 165 at \$14,950.00 and DD 146 at \$10,240.00. Granzow seconded. All ayes. Motion carried.

6. Discuss, With Possible Action, Future Work With R & D Customs

Gallentine informed the Trustees that Randy Brown emailed him earlier in the month asking where he should send the invoices for the work he had done (but not completed) for DD 148. There was discussion on whether or not R & D Customs is a responsible contractor because there were complaints from landowners on this project not being completed and being left open for a long period of time. Hoffman motioned to put in writing, for Randy to remain on the lottery list he needs to request to be put on the agenda to come before the Trustees and explain his intentions for working with the county. Granzow seconded. All ayes. Motion carried.

The Trustees asked that Gallentine look into R & D Customs invoices and compare them to the time that CGA put into the project and with what McDowell & Sons charged the district for finishing the repair. The Trustees want this comparison before paying the invoices sent over by R & D Customs.

7. DD 128 - Discuss, With Possible Action, Update And Possible Modifications

Gallentine requested draft a change order per Dean Bright and Hands On Excavating's request. Hoffman motioned to approve and Granzow seconded. All aye. Motion carried.

Gallentine updated the Trustees that there will be future business regarding possibly plowing in a dual wall 8 inch tile instead of digging in the 8 inch dual wall. Gallentine is waiting on more information from the contractor before bringing this issue up for a motion.

8. DD 55-3 Lat 9 - Discuss, With Possible Action, Contractor Update

Thompson reported his findings to the Trustees. Thompson dug 8 feet deep, 25 feet to the West from where there was bubbling and 15 feet East. They found that the tile runs almost parallel with the road but could not find where it crosses the road North and South. Gallentine mentioned that his understanding was that Thompson was going to call CGA when he was going to be digging so that they could use their tile locator to locate the tile. Without the tile locator there is no clear indication whether or not the tile is district tile or private tile.

Hoffman moved to have CGA go to the job site where Thompson dug the holes with their tile locator and locate the tile and report back to the Trustees the determination of the ownership of the tile. Granzow seconded. All ayes. Motion carried.

The Trustees also addressed Buntess waterway and how to move forward. After much discussion it was decided that there needed to be clarification with all parties involved on what the next step is going to be. Hoffman moved to have the Drainage Clerk verify with Gehrke's that they will be working on this project. Once verified, Schlemme was going to reach out to Curt and update him with the status of the project. Granzow seconded. All ayes. Motion carried. Hoffman then made a second motion to have CGA go out and look at any damage that has been done to Thompsons property due to the district facilities and report back what further action the Trustees can do to prevent further damage. Thompson does not want CGA to involve the district and the Trustees took that into consideration. Granzow then seconded the motion. All ayes. Motion carried.

9. DD 143- Set Landowner Meeting Date And Time

Hoffman moved, Granzow seconded to approve the landowners meeting for Wednesday, April 24, 2019 at 2:00 pm in the large courtroom in the upper level of the Hardin County Courthouse. Granzow asked that on the mailings it was explained that what they wanted to do is not legal and if landowner cannot attend the meeting they email or mail their decision. All ayes. Motion carried.

10. Other Business

DD 131- Junker asked for guidance on how to bill the DD 131 reclassification. The Trustees agreed that per code, the reclassification is to be billed in full to DD 131 Main.

DD 34- Will be placed back into the lottery. Schlemme to call Craig Johnson with update.

11. Adjourn Meeting

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

# REGULAR DRAINAGE MEETING

4/17/2019 - Minutes

1. Open Meeting

Hardin County Drainage District Board of Trustees Chairperson, Renee McClellan, opened the meeting. Also present were Trustee, Lance Granzow; Lee Gallentine and Heather Thomas with Clapsaddle-Garber Associates (CGA); Drainage Clerk, Becca Junker. Absent: BJ Hoffman

2. Approve Agenda

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

3. Approve Claims For Payment

Granzow moved, McClellan seconded to approve the claims for payment with pay date of Friday, April 19, 2019. All ayes. Motion carried.

DD 21 Reclassification	Clapsaddle-Garber Assoc	\$4,276.20
DD 38 Ongoing Repairs	Williams Excavation LLC	\$7,425.00
DD 38 Clean silt out of setting holes	Williams Excavation LLC	\$746.00
DD 56 Generation of Supplemental Report	Clapsaddle-Garber Assoc	\$2,899.00
DD 123 Construction Ovserv for Repair to Sinkhole	Clapsaddle-Garber Assoc	\$6,865.35
DD 131 Review & Attendance for Reclassification	Clapsaddle-Garber Assoc	\$1,413.80
DD 148 Bid Letting for Open Ditch Cleanout	Clapsaddle-Garber Assoc	\$1,490.11

4. DD 26 - Discuss, With Possible Action, Project Update

Gallentine informed the Trustees that he had been in contact with Dan Olsen, OSP Manager of Finley Engineering last October regarding the margin GPS coordinates so that they could be put into a map. Gallentine reached out to Olsen a couple weeks ago for an update and was told that the files he sent were not compatible with their system. Gallentine then offered to send the information in a different format and Olsen wanted to know how much that would cost. Trustees agreed there was no action necessary at this time.

5. DD 26 Lat 4 - Discuss, With Possible Action, Engineers Concern On 2015 Repair Summary

Thomas presented the minutes from the Landowner meeting from October 25, 2017:

"After introductions were made, Peterson stated the drainage problems occurring south of 190<sup>th</sup> Street and between C Avenue and D Avenue. He would like to see the old and new tiles hooked together. It was stated an alternative would be to abandon the newer tile and replace the old tile with 30" pipe. It was discussed whether this would constitute as an improvement or not. Thomas stated she would have to research the plans to give a definite opinion. It was agreed that Thomas would review the televising and report back with options on how to proceed. McClellan moved, Granzow seconded to instruct CGA to investigate the district and propose options for resolving the drainage problems. All ayes. Motion carried."

Thomas then referenced the August 8, 2018 minutes:

"Schlemme stated that landowner, Paul Peterson, has requested the current project be put on hold. Thomas stated that she has completed some calculations but no formal report has been created. She estimated approximately \$1,200 has been charged but not billed and to complete the report would cost an additional \$3,000.

She stated that the tile is flowing and working at this point. Granzow moved, McClellan seconded to place the project on hold and not do a report until landowners request. Schlemme is to inform the landowners via email of the change. All ayes. Motion carried."

Granzow moved to address the minutes from October 25, 2017 Landowner Meeting and the minutes from August 8, 2018 yearly, unless a sinkhole presents itself and needs addressed. McClellan seconded. All ayes. Motion carried.

6. DD 148 - Discuss, With Possible Action, Repair Summary

Discussion was had regarding the repair summary of the project Randy Brown started and McDowell & Sons finished. Gallentine is still reviewing invoices and will hopefully be getting an update sent to Junker by next weeks meeting.

The recommendation for the silt in the ditch from CGA is to get the silt cleaned out. Gallentine mentioned that if the silt is not cleaned out and does build up, it will be very expensive to jet clean out. During the Landowners Meeting on March 27, 2019, the landowners refused the lowest bid and requested a petition to take over the management of their district.

With CGA's recommendation in mind, the Trustees decided there would be no action taken at this time.

7. DD 57 And 134 - Discuss, With Possible Action, Outstanding Scans

Junker informed the Trustees that while doing assessments this year, it was brought to her attention that there was an outstanding balance of \$300 for DD 57 and \$300 for DD 134 from 2016 when Ryken Engineering took scans of the district maps. Junker requested this gets paid for out of the Trustees budget. Granzow moved to pay out of the Trustees budget, McClellan seconded. All ayes. Motion carried.

Granzow then stated that at some point there needs to be an assessment of all districts so that there is always a positive balance in all district accounts so that the Trustees budget is not paying for all these expenses, as the Board of Supervisors budget is not district.

Granzow then asked if there was a benefit of keeping the original copies of the maps that were scanned in 2016 in the Hardin County Courthouse or if they could be moved to Iron Mountain. Gallentine suggested they stay in the County just in case there is a blurred scanned image and the original is needed for clarification. In the past two years it has not been a problem so he then deferred the decision to Tina Schlemme and Becca Junker. Junker said she would discuss with Schlemme.

8. Drainage District Signs- Update

Junker informed the Trustees that she has reached out to John Tjarks and he has been in contact with his vendors. He is still waiting to hear back from two but once he hears back he will forward that information to Junker. Tjarks did mention possibly using carsonite markers rather than sleeves over poles. Trustees agreed there is no action to take at this time and advised Junker to keep them informed with any updates.

9. Other Business

DD 22: Granzow and Gallentine had a discussion about the disconnect that goes under the road. Granzow asked if Randy Madden had gotten into contact with Gallentine and he had left a message. Madden was looking for an update and Gallentine said he would be calling Madden back soon.

DD 123: Pay Estimate No. 2: Gallentine emailed Junker a Pay Estimate yesterday afternoon (4/16/19) after the agenda was posted requesting a payment of \$21,678.12 to Hands On Excavating, LCC from DD 123 on April 19, 2019. Granzow moved to pay Hands On Excavating, LLC, McClellan seconded. All Ayes. Motion Carried.

10. Adjourn Meeting

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

Professional Advice on Classification Questions	The Davis Brown Law Firm	\$ 750.00
Reclassification of Main Open Ditch & Tiles	Clapsaddle-Garber Assoc	\$ 6,694.00

<b>District</b>	<b>Fund#</b>	<b>Amount Needed</b>	<b>Amount Levied</b>	<b>% Levied</b>	<b>Waivers</b>
DD 95	51119	\$ 38,018.93	\$ 41,000.00	395.044%	10 Year
DD 102	51124	\$ 7,566.03	\$ 10,000.00	84.236%	10 Year
DD 110 (trustee)	51128	\$ 745.24	\$ 1,000.00	3.953%	10 Year
DD 119	51134	\$ 396.31	\$ 700.00	5.159%	10 Year
DD 131 MAIN	51146	\$ 13,468.69	\$ 16,000.00	32.000%	10 Year

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

\_\_\_\_\_  
Renee McClellan, Chairman

\_\_\_\_\_  
Lance Granzow, Supervisor

\_\_\_\_\_  
BJ Hoffman, Supervisor

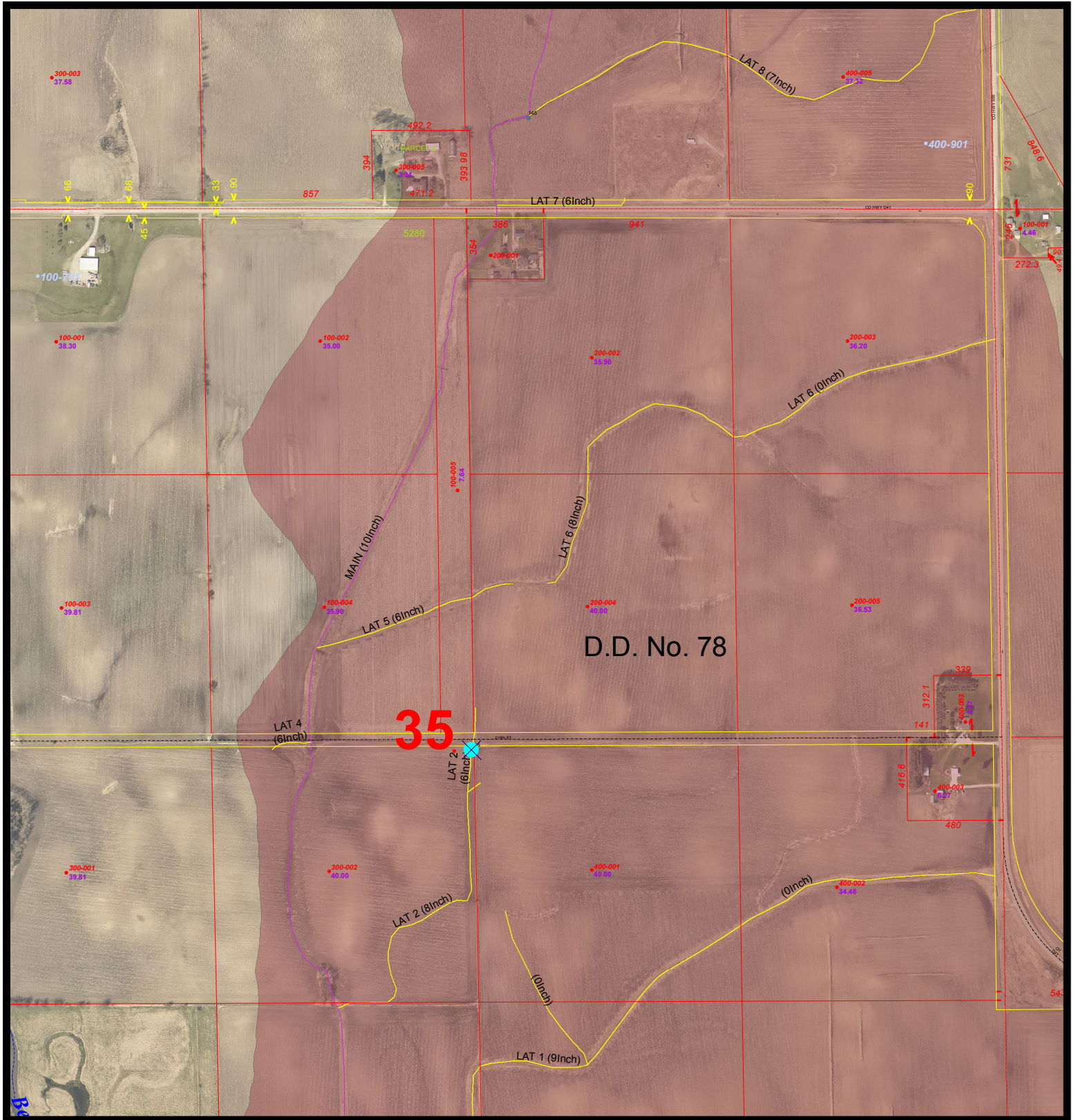
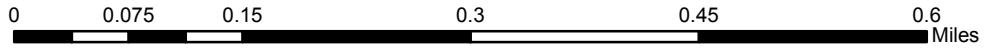




# Hardin County Auditor's Office



Date: 4/17/2019



35

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# Drainage Work Order Request For Repair

## Hardin County

**Date:** 4/17/2019

**Work Order #:** WO00000246

**Drainage District:** DDs\DD 78 (51107)

**Sec-Twp-Rge:** 35-88-20      **Qtr Sec:** NE SW

**Location/GIS:** 88-20-35-300-002

**Requested By:** Richard Gehrke

**Contact Phone:** (641) 373-0015

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

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

**Description:** DD 78 Ponding problems at center of section. Worse since repaired tile to the North.

**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

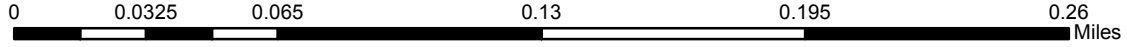
**Approved:** \_\_\_\_\_ **Date:** \_\_\_\_\_



# Hardin County Auditor's Office



Date: 4/22/2019



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# Drainage Work Order Request For Repair

## Hardin County

Date: 4/22/2019

Work Order #: WO00000247

Drainage District: DDs\Big 4 Main (51193)

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

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

Requested By: Hands On

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

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

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

Description: 

Big 4 Main - Bank washed out about 350 yards east of C Ave on the south bank of the S. Fork/Big 4 Main

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: \_\_\_\_\_



# Drainage Work Order Request For Repair

## Hardin County

**Date:** 4/22/2019

**Work Order #:** WO00000248

**Drainage District:** DDs\DD 100 (51122)

**Sec-Twp-Rge:** 87-21-10      **Qtr Sec:** \_\_\_\_\_

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

**Requested By:** Denny Balvanz

**Contact Phone:** (515) 689-6679

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

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

**Description:** DD 100 - Blowout towards end of waterway, just straight north of driveway to the south and west of the headwall. Appears to be on 12" main, but could possibly be private. Had Gehrke's come out to look and they can repair if next on lottery.

**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

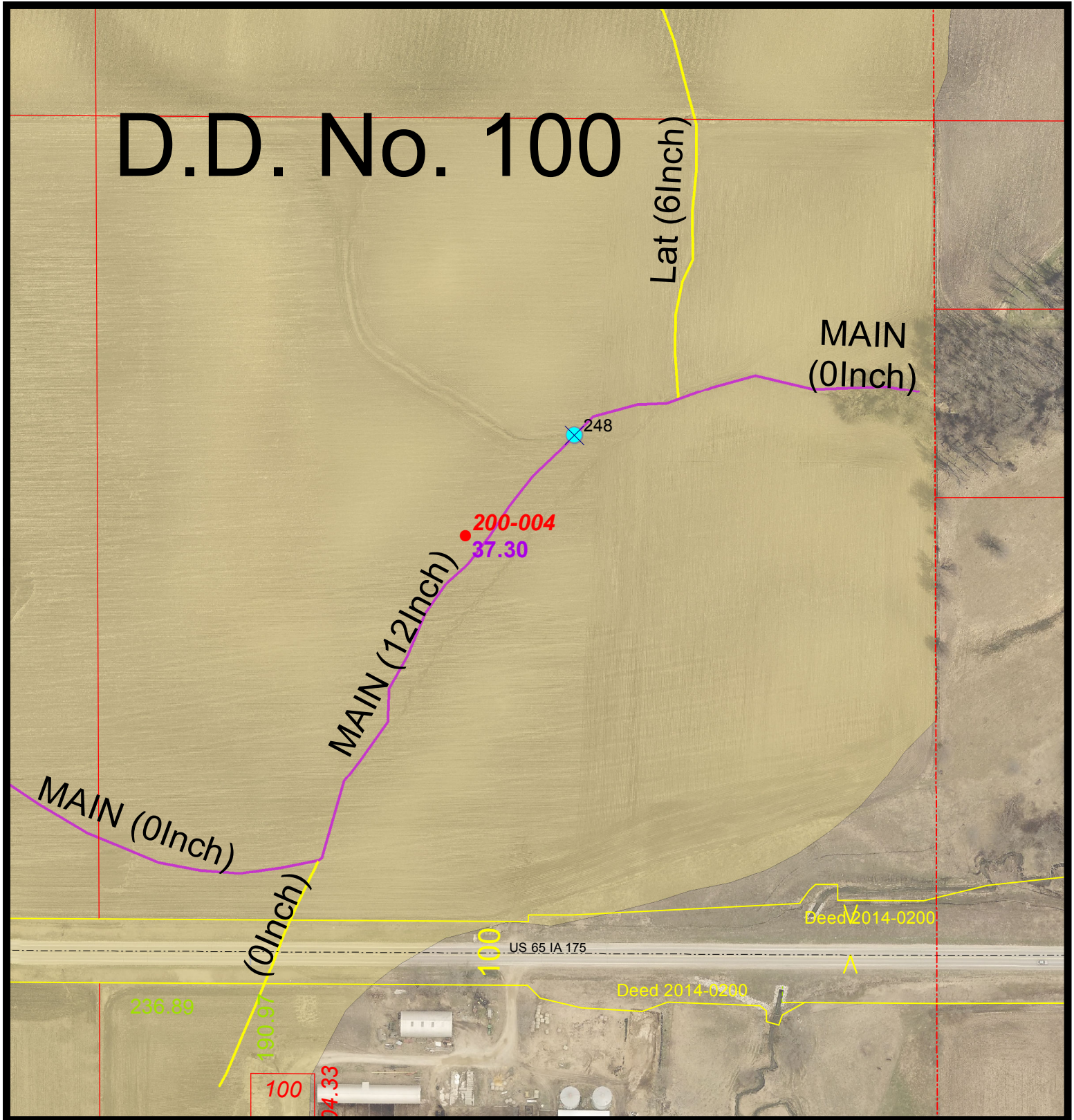
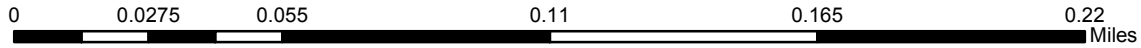
**Approved:** \_\_\_\_\_ **Date:** \_\_\_\_\_



# Hardin County Auditor's Office



Date: 4/22/2019



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Fax.

PETITION

**FILED**

APR 18 2019

**HARDIN COUNTY AUDITOR**

To the Honorable Board of Supervisors,  
Hardin County, Iowa

) Drainage District  
)  
) No. 148

We, the undersigned petitioners, respectfully state that we are owners of land within Hardin County Drainage District No. 148, more particularly described and defined in the permanent drainage record of said district on file in the office of the County Auditor, Hardin County, Iowa. We request that said Drainage District be placed under the control and management of a board of three trustees to be elected by the persons owning land in the district, as defined in Code of Iowa §468.500.

*Marie Rameyer*  
*Paul Goshua*  
*Will Wiley*  
*Ellen Vanderloo*  
*Brad Piper* 641-373-0750  
*Dot H*  
*Keith E. Smith*  
*Jim Bathy*  
*\* Flying Eagle, etc / Gdase. H. Belling*  
*\* Janelle Williams*  
*William E. Hatter*  
*Kent Holmgard*  
*\* Chase Ellingson*  
*Josh Ainley*

*Marie Rameyer*  
  
  
  
*Brad Piper*  
*David Keninger*  
*Kenneth Smith*  
*Jim Bartling*  
*Jolene Belling*  
  
*William H. Hatter*  
*Kent Holmgard*  
*Chase Ellingson*  
*Josh Ainley*

Owner	28
Ainley, Joshua D & Kandice C	✓
Bartling Land & Livestock, Inc	
Bartling, James F & Nancy K	✓
Bennett, Jayne A; Stalzer, Dennis L & Johnson, Susan M	
Bonewitz, Michael Bonewitz, Beverly	
Ellingson, Chase B	✓
Enslin, Marcia	
Enslin, Marcia Enslin, Paul	✓
Flying Eagle, Inc	✓
Halter, William H Halter, Patty S	✓
Hansen Farms, LC	
Hardin County Roads	
Holmgaard, Kent Horace - 1/2 Holmgaard, Kent Horace - Contract - 1/2	✓
Ibeling, Will Robert Ibeling, Jolene Dianne	✓
Keninger, David L Keninger, Barbara J	✓
Kuper Family Living Trust	
Miller, Dorothy Ann	
Morton, John Brandt, Ashley	
Muller, Harold J Muller, Debra L	
Pieper, Brandon A	✓
Pieper, Brandon A Pieper, Lisette C	✓
Rameyer, Marie K Revocable Trust	✓
Rameyer, Marie K Revocable Trust, etal-1/2 Knipfel, Patricia K-1/3; Rameyer, Robert-1/6	✓
Rameyer, Randy M	
Smith, Kenneth E Smith, Mary C	✓
Stalzer, Mark A	
Thomas, Jacob R Ibeling, Janelle	
Vanderloo, Lance E - Trust	✓

(15)



## Becca Junker

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**From:** Lee Gallentine <LGallentine@cgaconsultants.com>  
**Sent:** Thursday, April 18, 2019 2:36 PM  
**To:** Tina Schlemme  
**Cc:** jasonmar@netins.net; Becca Junker  
**Subject:** RE: DD 25

Tina,  
You are correct, it is scheduled to be repaired as part of the current project that was awarded to McDowells earlier this spring. However, if a temp patch needs installed, that certainly could be done with authorization of the District Trustees. Just let me know what the District Trustees decide.

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

[CLICK HERE to sign up for CGA news and updates!](#)



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**From:** Tina Schlemme <TSchlemme@hardincountyia.gov>  
**Sent:** Thursday, April 18, 2019 10:04 AM  
**To:** Lee Gallentine <LGallentine@cgaconsultants.com>  
**Cc:** jasonmar@netins.net; Becca Junker <BJunker@hardincountyia.gov>  
**Subject:** DD 25

Lee-  
Jason called about a 10 foot hole in the field he farms for Leland Coburns that just keeps getting larger and larger. I stated that I believed this should be fixed this year with the current project, was that correct? If not, he would like to see a patch made and dirt brought in as a short term fix. I thought you'd also like to take note that additional dirt will probably need brought in if the project does continue for this year.

Thanks!

## Drainage District:

9

## Repair Summary:

- Tenant in SW¼ Section 6, Township 89 North, Range 22 West reported two blowouts/sinkholes on Main tile.
- Visually searched area and found one blowout/sinkhole, approximately 225 feet southeast of railroad right of way (see attached spot repair map).
- Tile blowout/sinkhole is missing one section of VCP tile and is 1/3 full of debris.
- Located Main tile upstream for 590'± and downstream for 1430'± from blowout/sinkhole.
- Upstream found broken VCP tile in sinkhole/blowout just downstream of railroad. The tile appears to have possibly been broken when fiber optic line was installed (see attached spot repair map).
- During location of main tile, excavated 7 observation holes. Excavation of one of the observation holes damaged a 4" private tile. Repaired private tile with 2' of 6" Dual Wall HDPE tile.
- Repaired first blowout/sinkhole with 18.3' of 15" Dual Wall HDPE tile with concrete collars.
- Repaired observation hole approximately 150' south railroad right of way with 6.25' of 15" Dual Wall HDPE tile with fabric wrapped joints.
- Filled holes as much as possible with on-site soil.
- Note: Contractor was changed midway through repairs from Randy Brown per 1-16-2019 Drainage Meeting minutes. McDowell and Sons Contractors completed the work after this date (see breakdown on attached).
- In April, backfilling of excavation was completed by McDowell with un-frozen soil.

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

See attached Tabulated Contractor Time and Materials Sheet.

## Additional Actions Recommended:

The unrepaired broken tile in the railroad right of way is severely limiting the drainage upstream and will eventually cause additional blowouts/sinkholes and ponding. Moving forward, we would recommend abandoning the current railroad crossing, install a new crossing meeting Union Pacific Railroad standards/permits to restore the drainage to its original design or install a bypass tile on the north side of the railroad right of way. Based on either of these options, it is my opinion that the construction cost would be well over \$50,000. This cost is high enough that a hearing and engineering report would be required.



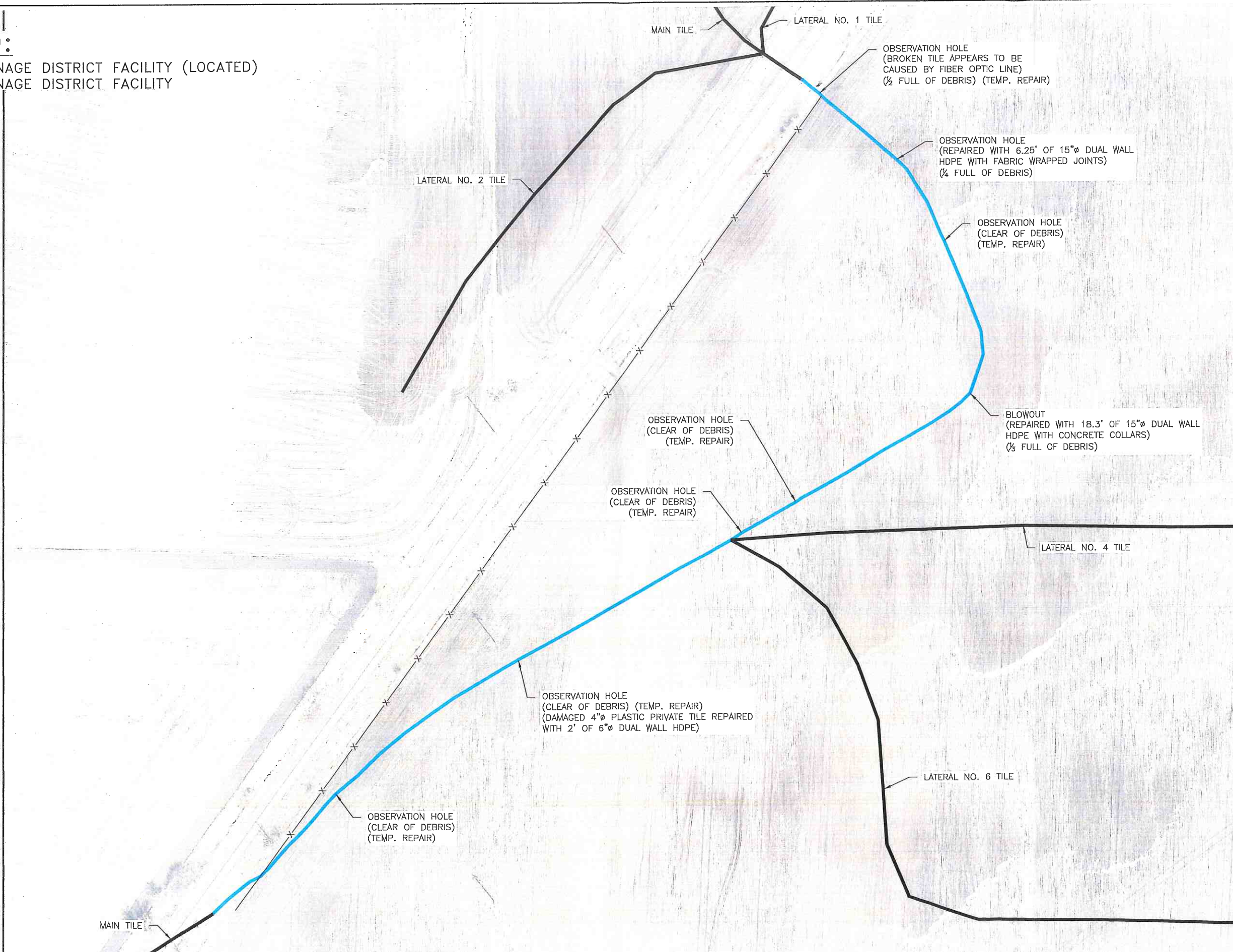
## Tabulated Contractor Time and Materials

Date	Totals	11/16/2018	11/19/2018	11/21/2018	11/23/2018	11/26/2018	11/29/2018	3/8/2019
Workman (hrs)	39	7	5.5	2.25	1	2.5	5.5	15
Backhoe (hrs)	17		5.5	2.25		1.25	2.75	5
15" Dual Wall HDPE (ft.)	24.55						6.25	18.3
Concrete Collar (ea.)	2							2
RD Customs								
McDowell								



**LEGEND:**

- DRAINAGE DISTRICT FACILITY (LOCATED)
- DRAINAGE DISTRICT FACILITY



P:\0735\CADD\Quantiles\6735-repair\_summary3.dwg - CBA Plot - 04-10-19 - 4:45pm - 2/5/19



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE

**CGA**  
 Clapsaddle-Garber Associates, Inc.  
 1523 S. Bell Ave. Suite 101  
 Ames, Iowa 50010  
 Ph 515-232-1784  
 www.cgiconsultants.com

DESIGNED: ### DATE: ###  
 DRAWN: ### DATE: ###  
 CHECKED: ### DATE: ###  
 APPROVED: ### DATE: ###

**DRAINAGE DISTRICT #9**  
 HARDIN, IOWA

**SPOT REPAIRS**

PROJECT NO. 6735
SHEET NO. 1



# Drainage Work Order Request For Repair

## Hardin County

Date: 10/26/2018

Work Order #: W000000229

Drainage District: Drainage Districts \DD 9 (51022)

Sec-Twp-Rge: 06-88-21 Qtr Sec: SW

Location/GIS: 88-21-06-300-002

Requested By: Scott Renaud (Tenant)

Contact Phone: (641) 751-4734

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

Landowner (if different): Tom Roberts

Description: 

DD 9 - Huge lake (approx 15 acres) of corn under water. Blowout approximately 300-500 yards southeast of RR and another one NW of RR along fenceline. All crops are out except those around blowouts.

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

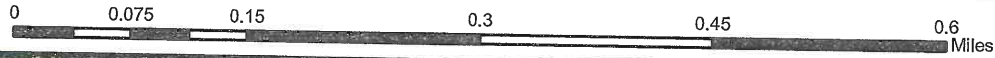
Approved: \_\_\_\_\_ Date: \_\_\_\_\_



# Hardin County Auditor's Office



Date: 10/26/201



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.

CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

11/19/18  
11/16/18

PROJECT NUMBER:

6735

DAYS OF WEEK:

S M T W T F S

COUNTY, ROUTE, ROAD:

DD 9 HARDON CO

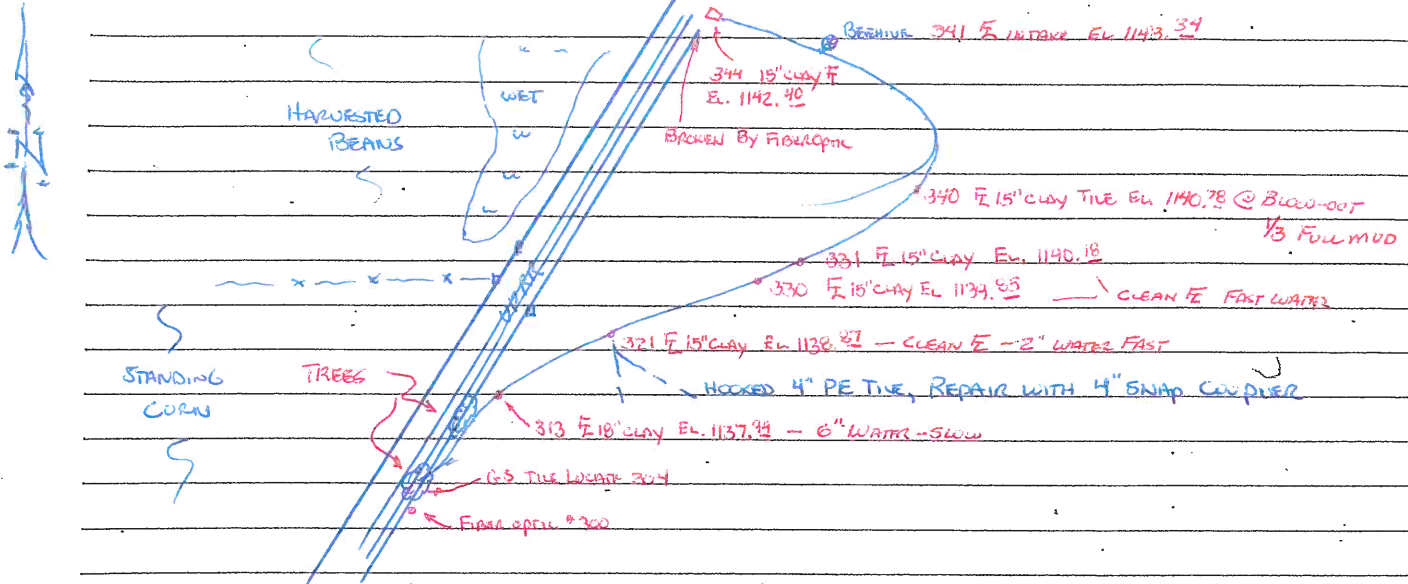
SHEET NO.

1 OF 1

LOCATION: D25, "RACINE", UPRR

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

9:00, 2 man crew on site, dug up tile @ Blow-out and tried to find tile without it crosses UPRR down stream. To SW.



11/19/18; 10:00, SET X ON #87 (DD41 JOB), RANNEY BROWN ON SITE WITH READER TIRE BACKHUR. (NO HELPER). 2:00 done LOCATING downstream to UPRR. COULD NOT GET UNDER RR WITH CABLE. WHEN CORN IS OUT ON W. SIDE RR, WE SHOULD LOCATE AND INSPECT TILE ON WEST SIDE OF RR. dug 4 POT HOLES AND LOCATED WITH CABLE FROM BLOW-OUT TO UPRR. SHOTS 300-344 LEFT JOB @ 3:30

WATER ON W. SIDE RR IS SURFACE DRAINING THRU RR emp TO downstream TILE @ 344. INTAKE @ 341 HAS BROKEN BREWIE BUT TILE IS DRY (OFFSET INTAKE)

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

Observer's Signature:

*[Handwritten Signature]*

Date Prepared:

11/16/18, 11/19/18

Reviewed by:

Engineer

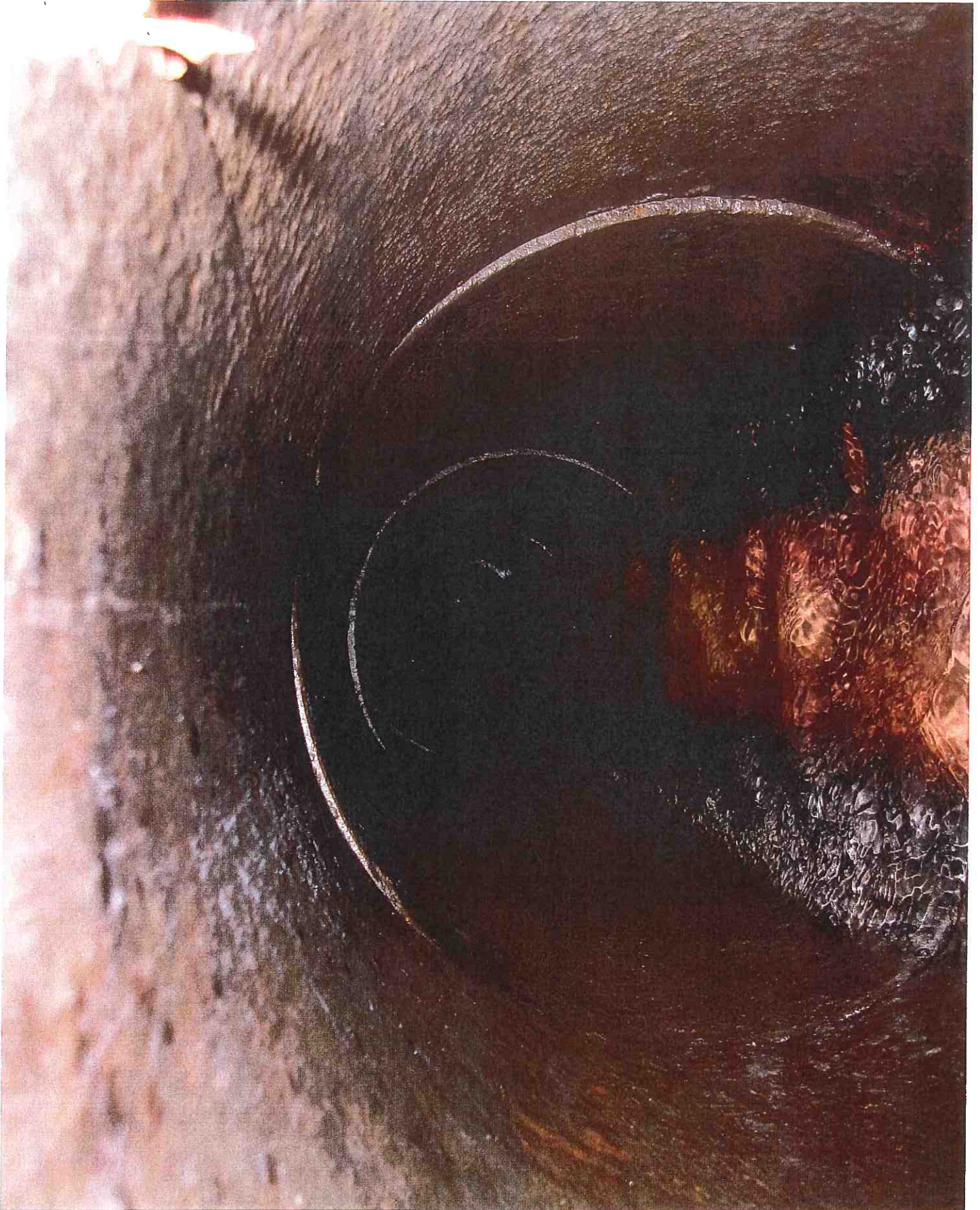
Date Reviewed

Tide @ 331

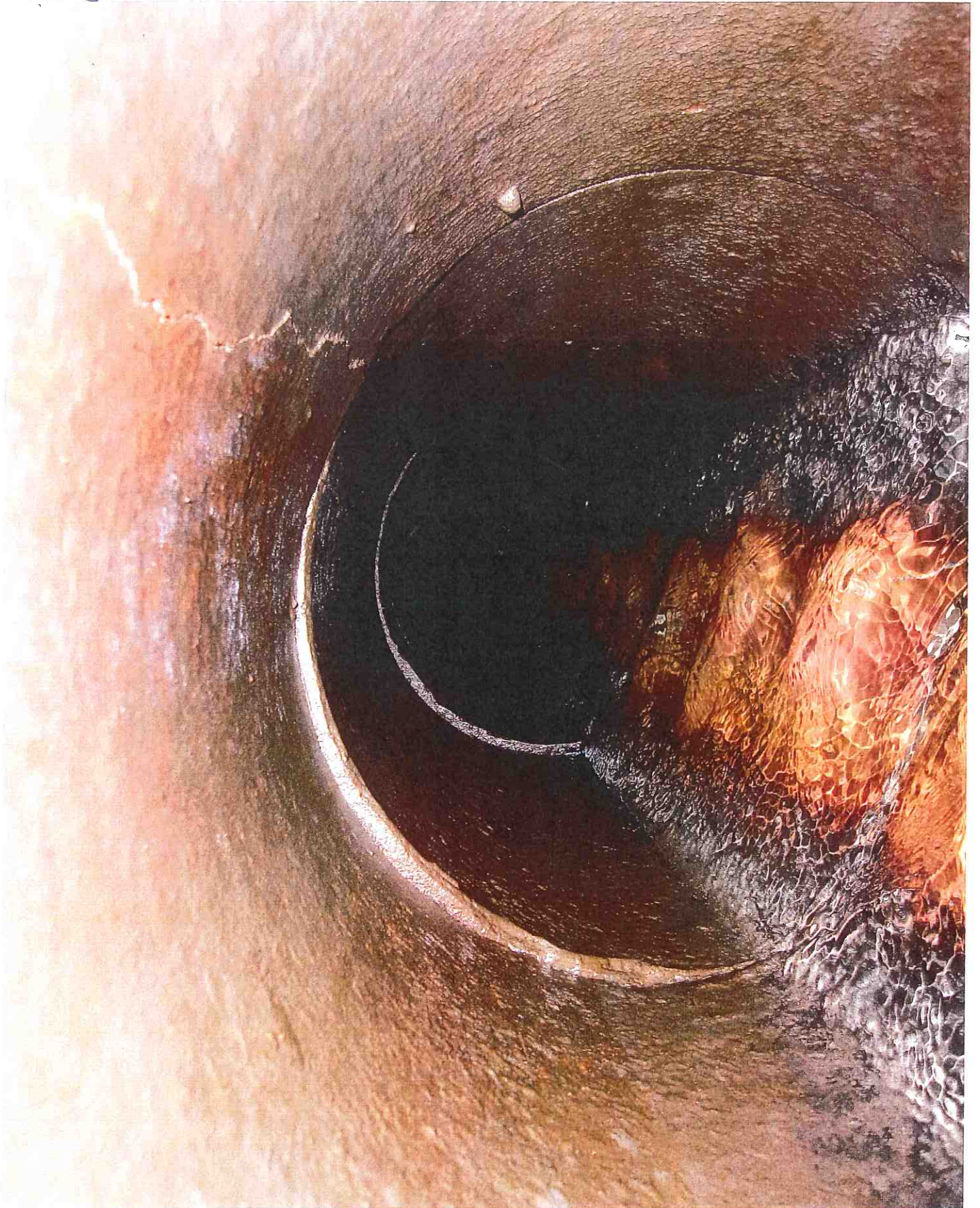




TILE © 331



TIVE @ 330



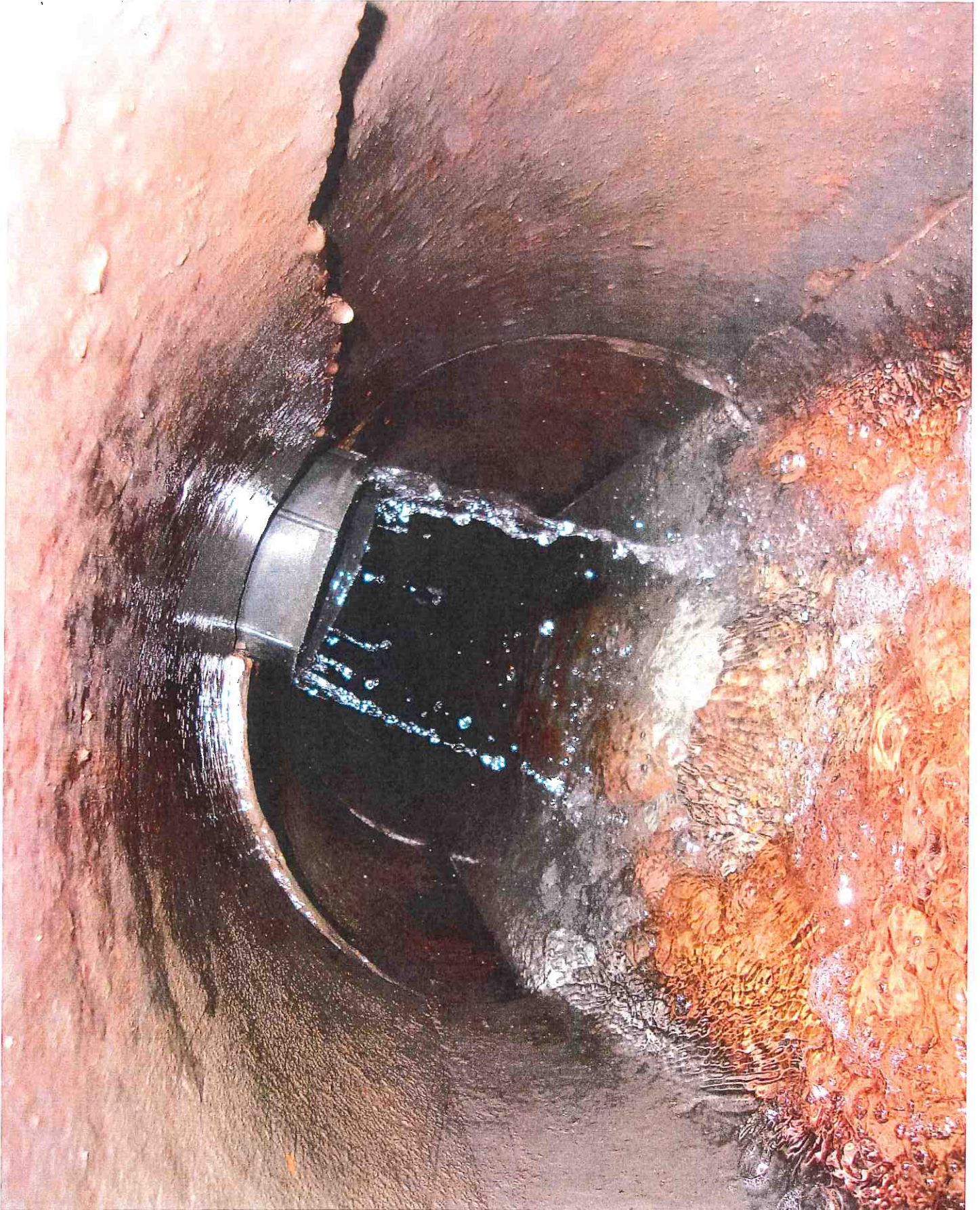
T1R @ 330



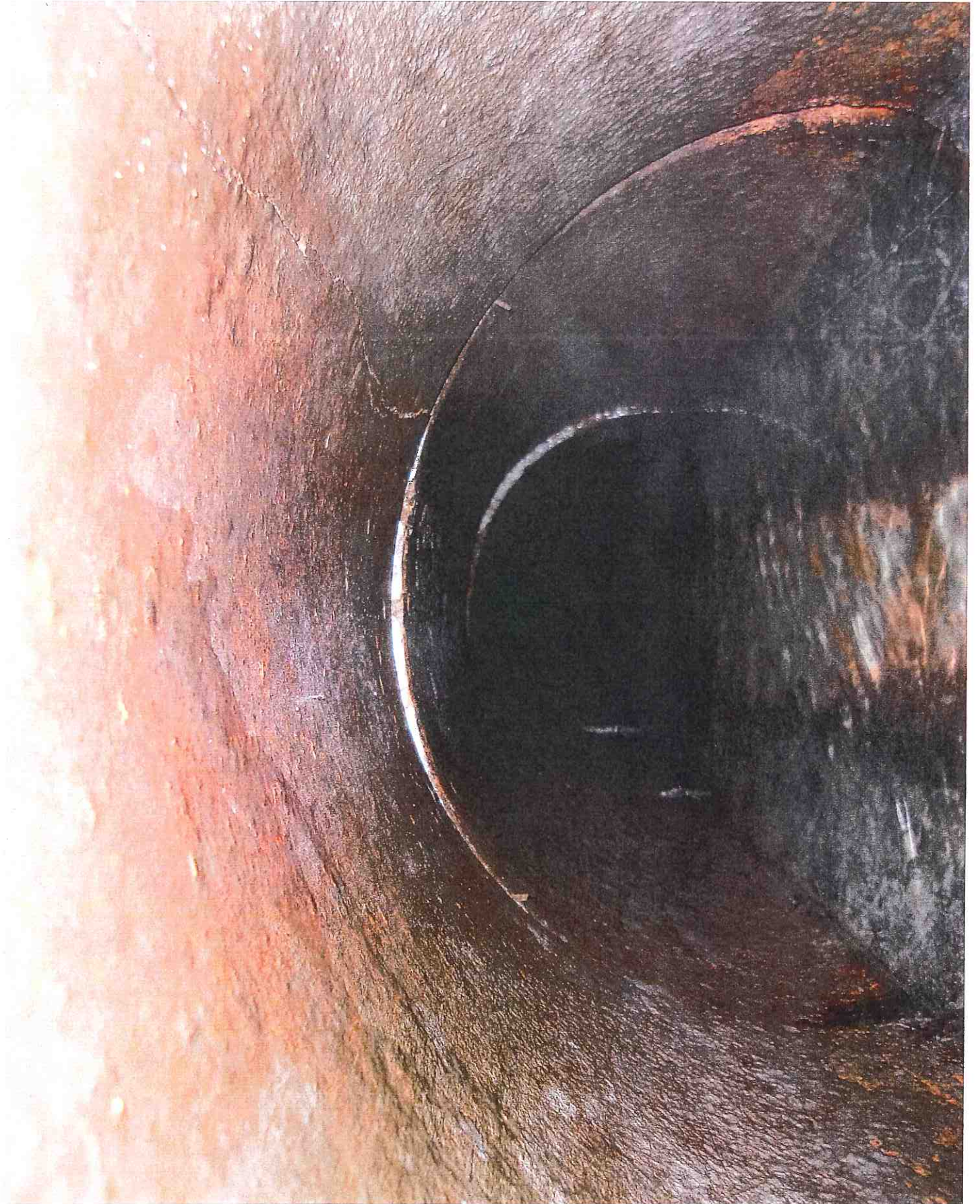
downstream From 321



UPSTREAM FROM #321, HOOKED 4" PE WITH BUCKET, REPAIR WITH SNAP COUPLER



Tue @ 313



Tile @ #313



TREES DOWNSTREAM FROM #313





009 HARDIN

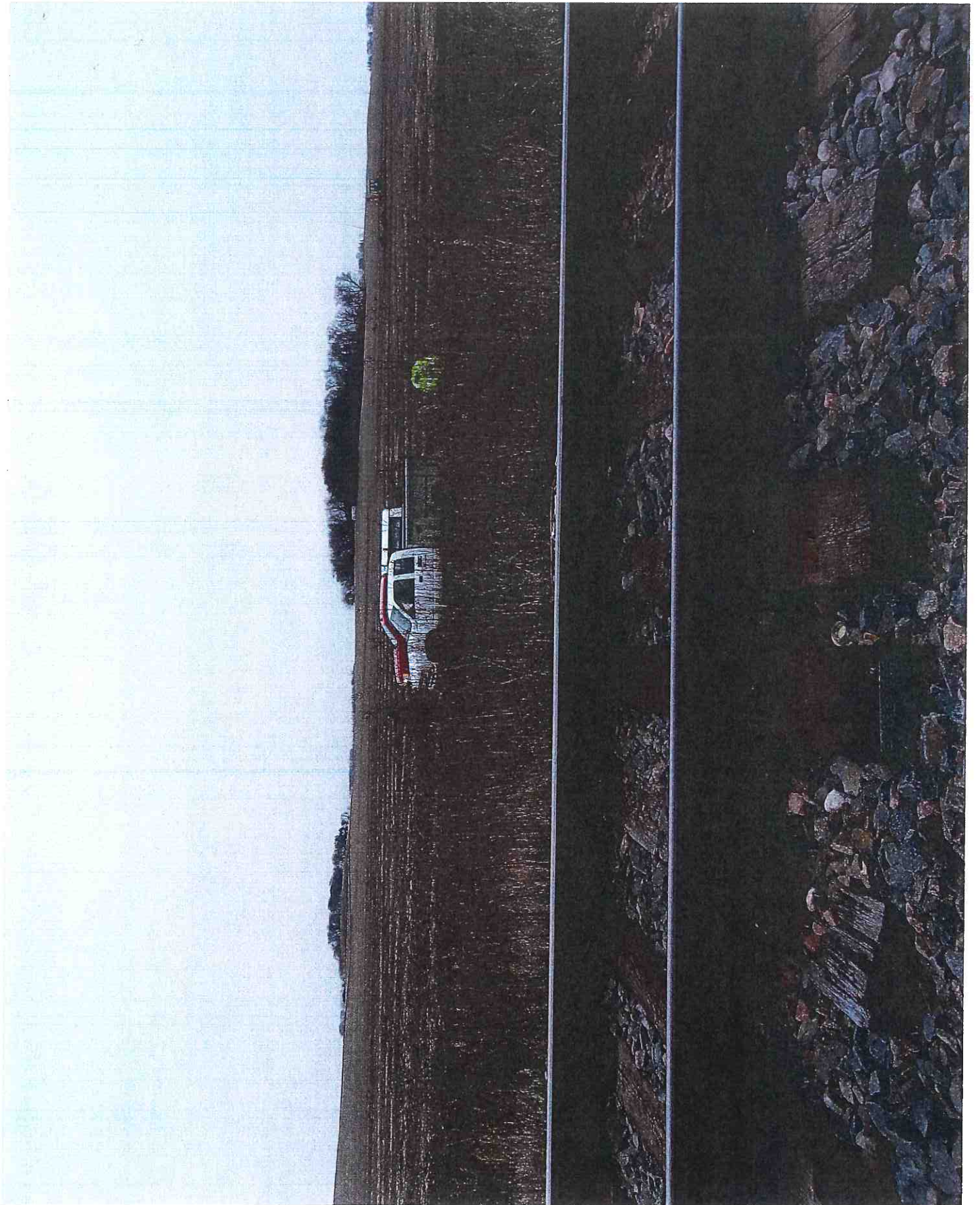






Blow-out Hole @ #340





CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

11-21-18

PROJECT NUMBER:

6735

COUNTY, ROUTE, ROAD:

DD9 CAT3

LOCATION:

SE 1/4 SEC 6 - 88 - 21

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/SUB NAME, ITEM NO. AND LOCATION

9:30 SET UP BASE # 87 ✓ 1000

9:45 ARRIVED ON SITE 1 MAN IN BACKHOE

10:00 OPENED HOLE #350 3"-4" CLEAN WATER FLOWING THROUGH PIPE.

INTAKE # 341 CONC INTAKE IN GOOD CONDITION W/ 6" CLAY RUNNING NW DRY BEEHIVE ON TOP IS BROKEN

10:45 OPENED HOLE #354 CONTRACTOR BROKE 1 PIECE OF TILE W/ BACK HOE BOTH TILE UP & DOWN STREAM HAVE MULTIPLE LATERAL CRACKS TILE IS FLOWING 3"-4" CLEAN WATER LOCATED TO THE OPEN TILE @ #344

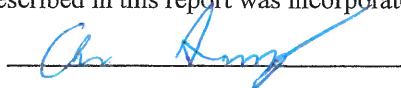
11:00 HOLE 344 DOWN STREAM IS HALF FULL OF DIRT UPSTREAM IS 3/4 FULL ROCK W/ A TRICKLE OF WATER WATER AT THIS SPOT IS SLOW MOVING @ 7" DEEP

11:45 PICKED UP BASE + LEFT SITE

LEE SAID TO TEMPORARILY PATCH POTHOLES AND FILL THE HOLES IN. RANDY SAID HE WOULD DO IT FRIDAY

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

Observer's Signature:



Date Prepared:

11-21-18

Reviewed by:

\_\_\_\_\_

Engineer

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

6735 HOLE 350 LOOKING N



6735 HOLE 350 LOOKING S.

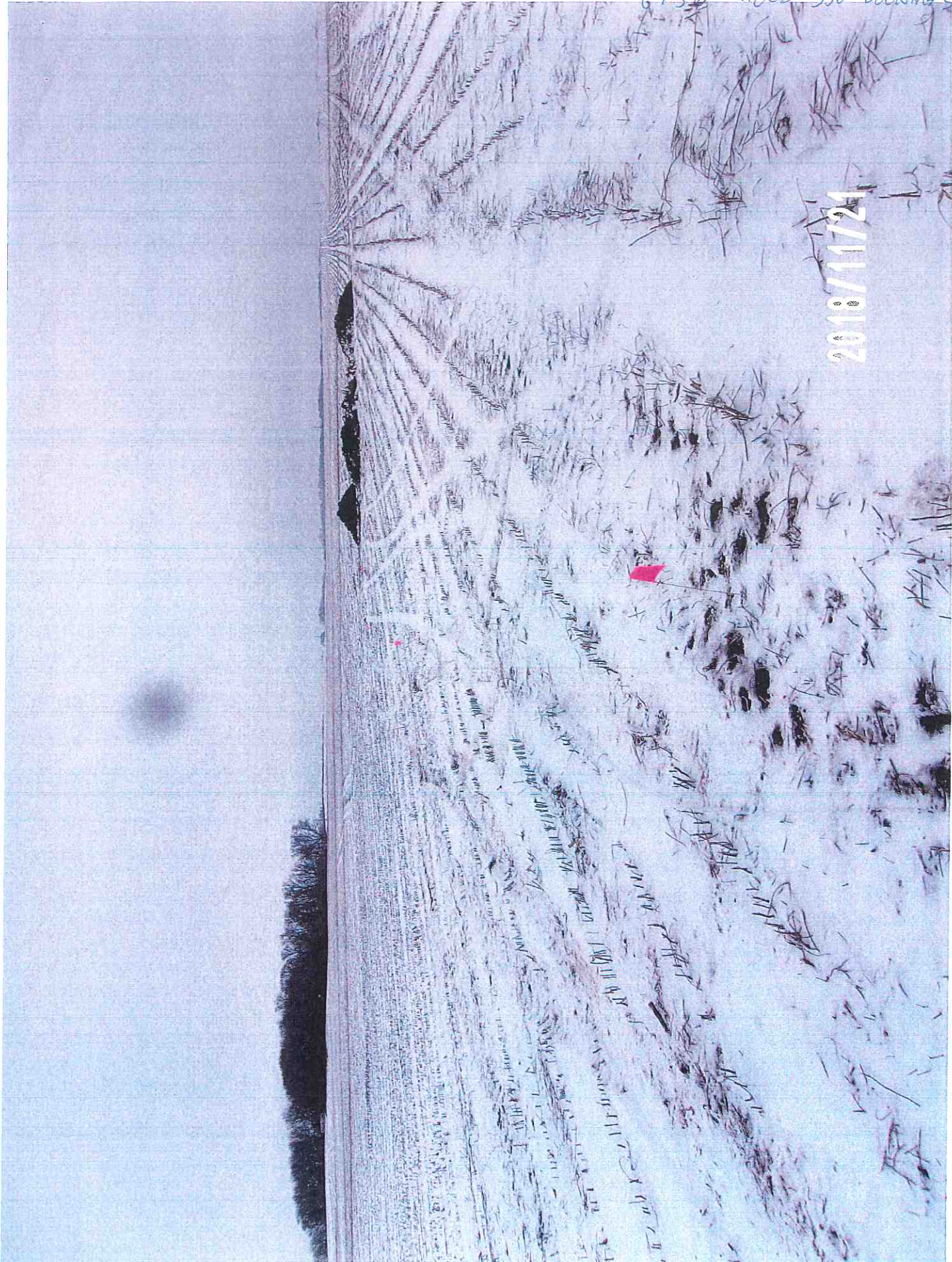


2011/11/11

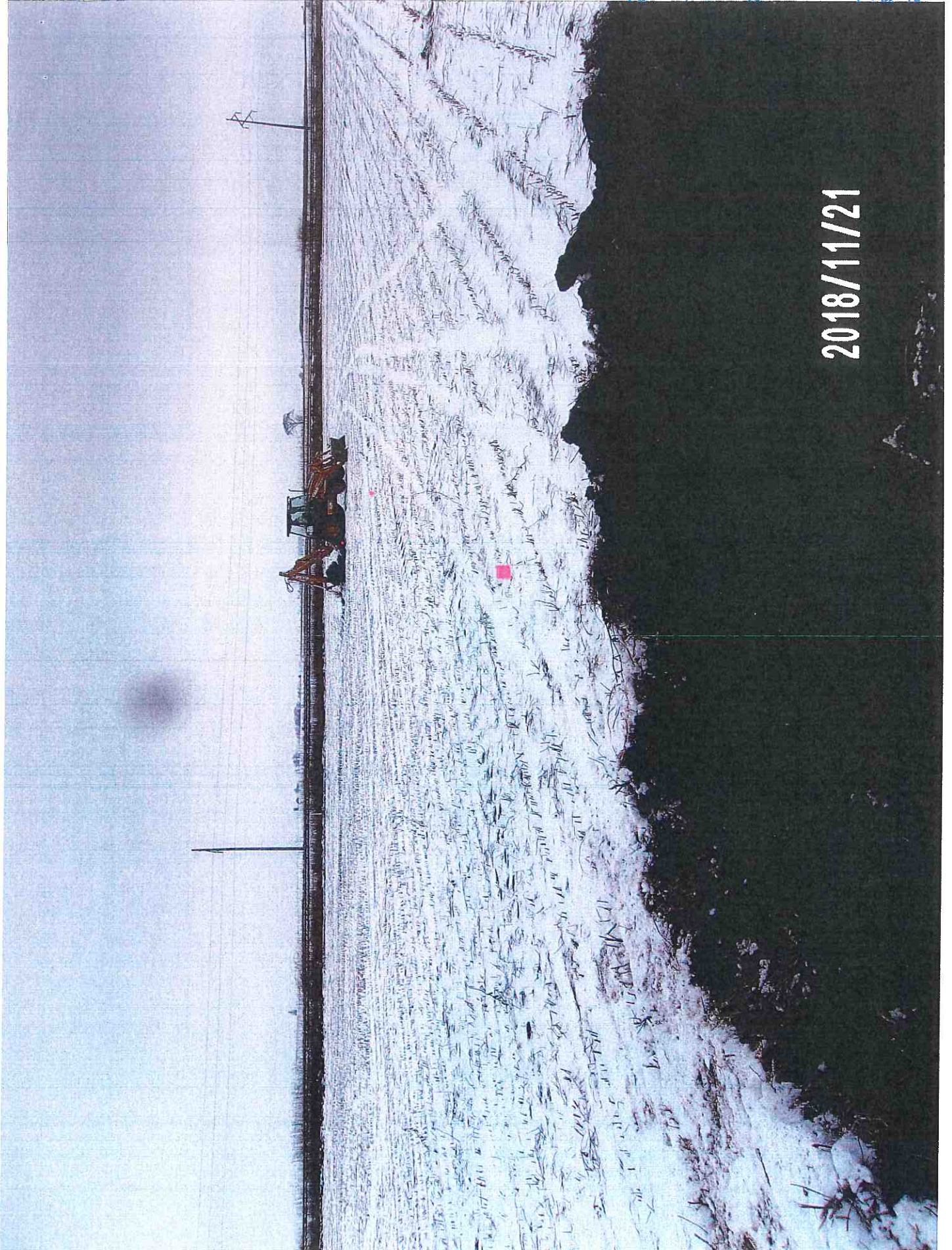


6735 HOLE 350 LOOKING S

2018/11/21



6735 HOLE 350 LOOKING N



2018/11/21

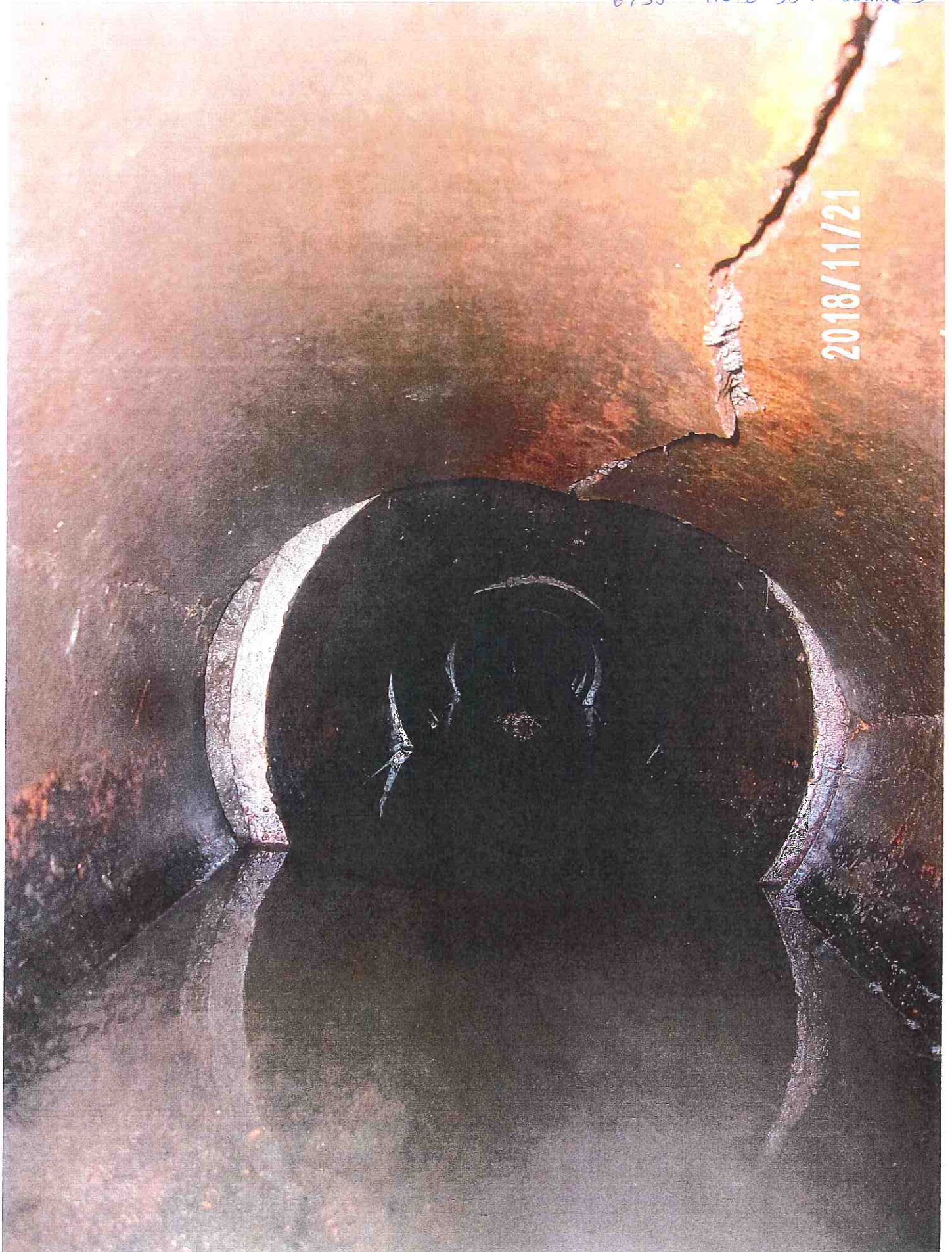
6735 HOLE 350

018/11/21



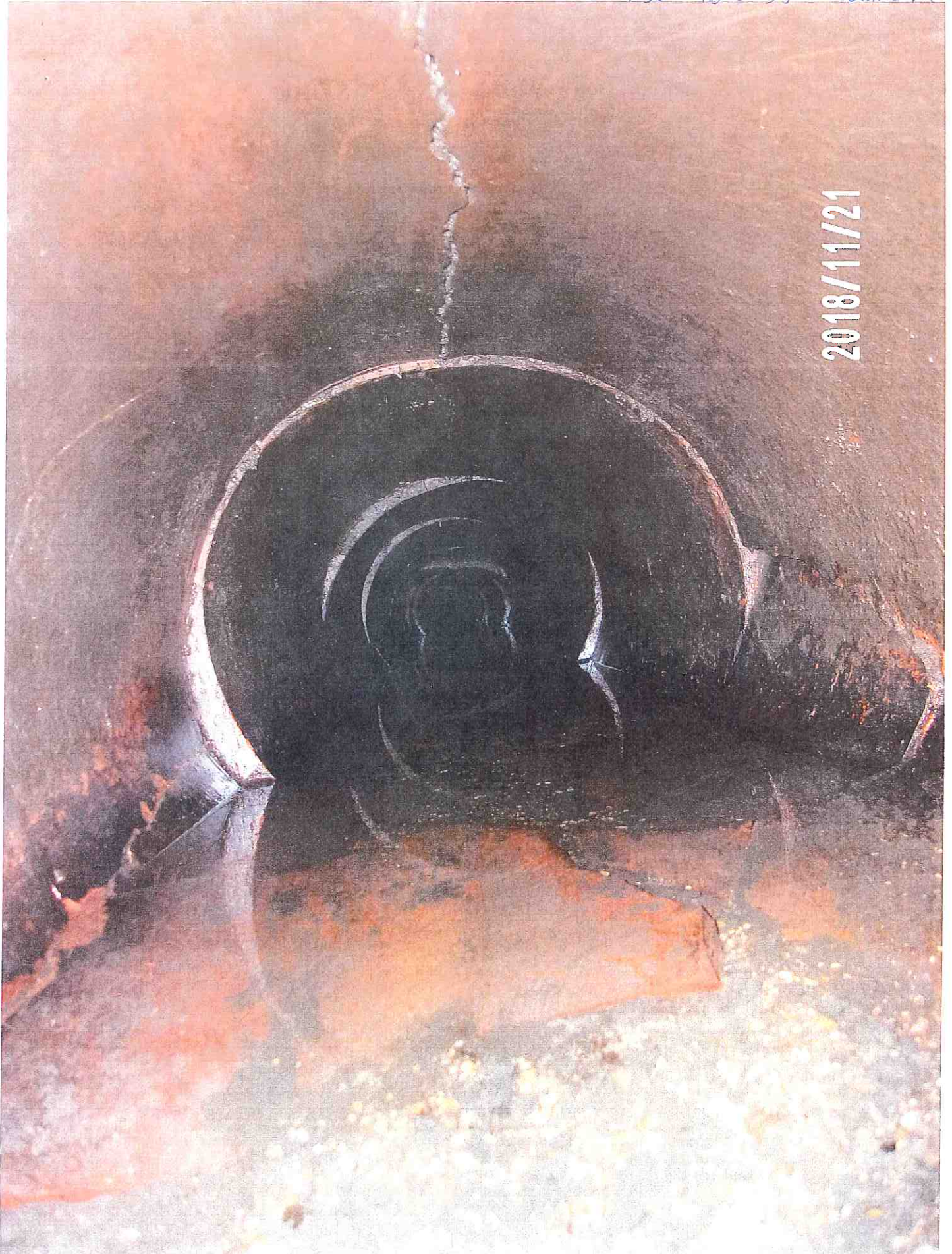
6735 HOLE 354 LOOKING S

2018/11/21



6735 HOLE 354 Looking N.

2018/11/21



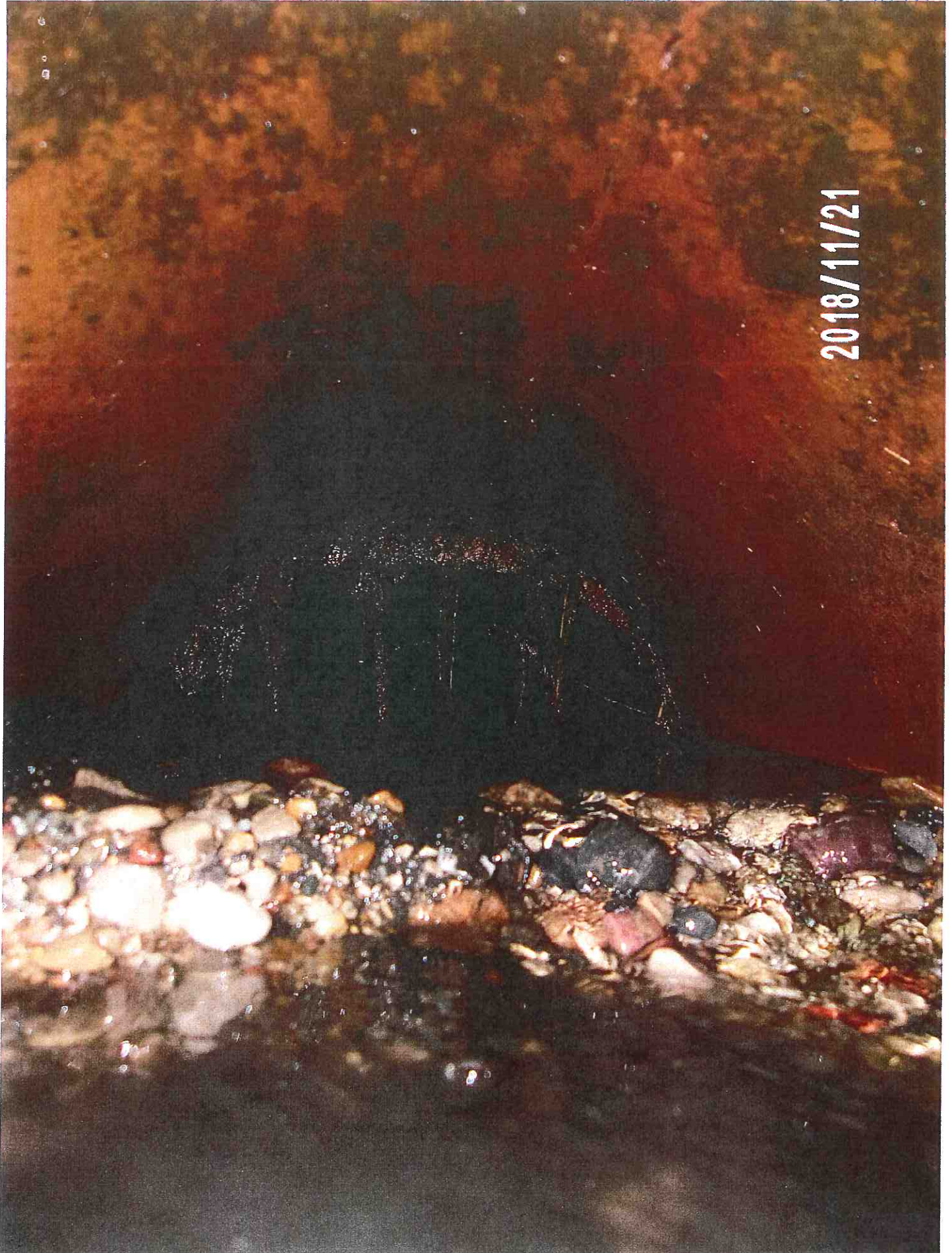
6725 HOLE 344 LOOKING S

2018/11/21



6735 HOLE 344 LOOKING N

2018/11/21



CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE: 11/23/18

PROJECT NUMBER: \_\_\_\_\_  
COUNTY, ROUTE, ROAD: 6735  
LOCATION: Rosearts Farm, N. of D25

DAYS OF WEEK: 

S	M	T	W	<b>F</b>	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

Cloudy, scattered showers, 35°, Breezy from S.E.  
ARRIVED @ JOB @ 9:30, No crew on site.  
EMERGENCY CREW ARRIVED @ 10:00 A.M. STARTED TEMP. REPAIRS ON ACCESS INSPECTION  
6" x 6" HOLES IN TILE BY LAYING A 12" x 12" PIECE OF DUAL WALL AND FABRIC  
OVER HOLE AND BACKFILLING WITH NO COMPRESSION, MINIMAL BUCKET COMPRESSION  
PANOSY BREWEN SAID HE WOULD NOT DO THIS LONGER 20' REPAIR WITHOUT  
TILE IS FULL OF DIRT, HE COULDN'T GET ANY PIPE TODAY.  
LEFT JOB @ 10:30 FOR DD125W

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

Observer's Signature: [Signature] Date Prepared: 11/23/18

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

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



RANDY BROWN AND BACKHOE TO DO TEMP FIXES ON DD 9

11/23/18



REPAIRING TEMP FIX'S



CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

11/26/2018

PROJECT NUMBER:

6735 HARDIN COUNTY  
DRAINAGE  
WO# 229

DAYS OF WEEK:

S M T W T F S

COUNTY, ROUTE, ROAD:

DD#9

SHEET NO.

1 OF 1

LOCATION: NORTH OF CO HWY DD25 & HAVE INTERSECTION  
"RACINE" SE OF UPRR

MID TEENS TO LOW 20'S OVERCAST  
& WINDY WITH LIGHT FLURRIES.

JOB# 6735 DD9 H. SURVEY

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

8:50 A.M. RANDY FROM OUR OFFICE INFORMED ME THAT LEE RECEIVED  
AN EMAIL FROM RANDY BROWN THAT THEY WILL BE MAKING  
TEMPORARY TILE REPAIRS FOR 6735/DD#9 TODAY AND WILL  
BE ON SITE AROUND 10:00 A.M.

8:55 A.M. RANDY GAVE ME THE WORK FILE FOR 6735/DD#9  
AND ALSO GAVE ME THE WORK FILE FOR 6952.1 DD#148  
IF THEY DID GET TO THAT REPAIR TOO

9:00 A.M. OBSERVER TRIED CELL PHONE NUMBER FOR RANDY BROWN  
TO VERIFY IF HE WAS STILL PLANNING ON BEING @ JOB SITE  
AROUND 10:00 A.M. BUT MESSAGE CAME UP THAT THIS  
NUMBER WAS NO LONGER IN SERVICE. TRIED PHONE NUMBER  
THAT RANDY RECEIVED A CALL FROM RANDY BROWN ON 11/23/2018  
BUT WENT TO VOICEMAIL. LEFT MESSAGE ON THAT CELL PHONE  
TO VERIFY IF RANDY WOULD BE ON SITE AROUND 10 A.M.

9:20 A.M. OBSERVER LEFT OFFICE ENROUTE TO SITE.

9:50 A.M. OBSERVER ARRIVED ON SITE WITH NO ACTIVITY ON SITE.

10:25 A.M. RANDY AND NICK ARRIVED ON SITE WITH CASE  
580 SURE M BACK HUE ALREADY IN FIELD. CREW SAID  
THEY WERE RUNNING LATE SINCE PICKUP WOULD NOT START  
THIS MORNING AND HAD TO JUMP START IT. CREW PLUGGED  
ENGINE BLOCK HEATER INTO GENERATOR.

10:44 A.M. CREW HAD BACKHOE RUNNING

11:00 A.M. CREW FOUND FROZEN SOIL AROUND CLAY TILE REPAIR. CREW THOUGHT  
THEY WOULD DO MORE DAMAGE THEN GOOD WHILE TRYING TO REMOVE  
FROZEN SOIL SO THEY WILL WAIT TILL ABOUT WEDNESDAY TO FINISH  
REPAIRS WHEN TEMPERATURES ARE WARMER.

11:00 A.M. OBSERVER LEFT SITE. CREW WAS MEASURING UP PIPE NEEDED FOR TEMPORARY  
REPAIRS

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

Observer's Signature:

*Dean Penny*

Date Prepared:

11/26/2018

Reviewed by:

Engineer

Date Reviewed

CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

11/29/18

PROJECT NUMBER:

6735

DAYS OF WEEK:

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

COUNTY, ROUTE, ROAD:

DD9 HARDIN

SHEET NO.

OF

LOCATION:

D25 and H. Ave. North, UPRR

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

Partly Sunny, 30°, CALM,

ARRIVED @ JOB SITE @ 10:00 AM, RANDY BROWN CALLED SAID HE WON'T BE THERE TIL 12:00 NOON. LEFT FOR DD68 H. @ DAGO LAKE.

ARRIVED BACK @ JOB DD9 @ 11:45, NO CREW YET.

12:15 P.M., RANDY AND NICK SHOWS UP WITH PARTS TO REPAIR 4" PLASTIC TILE ACCIDENTALLY BROKEN DURING EXPLORATION DIG @ #321. BUT ITS A 5", RANDY WENT BACK TO GET PARTS FOR A 5", CAN'T FIND ANY. USED A 2' PIECE OF 6" DUAL WALL SHIP OVER THE 5" SINGLE WALL TIGHT FIT WITH FABRIC OVER. THEY ALSO PUT A CHUNK OF DUAL WALL AND FABRIC OVER INSPECTION HOLE AND BACK FILL. PILES OF DIRT ARE FROZEN, 1' THICK. HARD TO BACKFILL.

1:30 P.M. WENT TO HOLE #354 WITH BROKEN CLAY TILE. TOOK OUT 75" OF BROKEN CLAY TILE AND REPAIRED IT WITH 15" DUAL WALL HDPE AND FABRIC JOINTS (6'3")

3:00, CREW IS DONE WITH REPAIRS FOR TODAY. RANDY BROWN SAID HOPEFULLY THEY WILL ROCK AND PIPE TOMORROW.

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

Observer's Signature:

Date Prepared:

11/29/18

Reviewed by:

Engineer

Date Reviewed

6'3" REPAIR TEMP



6'3" Repair Temp.



PRIVATE TILE REPAIR @ 5" IPE WITH 6" HOPE OVER TOP



009, 6'3" REPAIR





CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

3/8/19

PROJECT NUMBER:

6735

COUNTY, ROUTE, ROAD:

DD 9 HARDIN

LOCATION:

DAYS OF WEEK:

S M T W T **F** S

SHEET NO.

OF

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

Cloudy, Foggy, 25°, Wind From S.E., RAIN PREDICTED FOR TOMORROW. 1/2' OF SNOW ON GROUND, LOTS OF ICE. 2' OF FROZEN EARTH IN FIELDS

8:30 ARRIVED @ JOB SITE @ "RACINE" GHOST TOWN. CONTRACTOR "McDOWELLS" ARE ON SITE 3 MEN + RUBBER TIRE BACKHOE. PLAN IS TO REMOVE BROKEN 14" CLAY TILE (ALREADY EXPOSED BY RANNEY BROWN), AND REPAIR PERMANENTLY WITH 15" HOPE DUAL WALL / ROCK / CONC. COULARS. BARE MINIMUM IS TO GET HOPE IN PLACE WITH ROCK AND FABRIC OVER CONNECTIONS. BACK FILL MATERIAL ON SITE MAY BE TO FROZEN. WOULD HAVE TO POUR COULARS @ A LATER DATE. 1" OF RAIN IS PREDICTED TOMORROW AND THIS COULD WASH MORE DIRT IN TILE.

EASTING HOLE FROM RANNEY BROWN #340 IS FULL OF SNOW, LEVEL FULL!

11:30 A.M., BEDDING ROCK @ F IS IN PLACE. 18'4" BETWEEN ENDS ON CLAY TILE.

JIM IS BRINGING 20' STICK OF 15", 5 TON ROCK, FABRIC, 12 BAGS CONC., WIRE MESH.

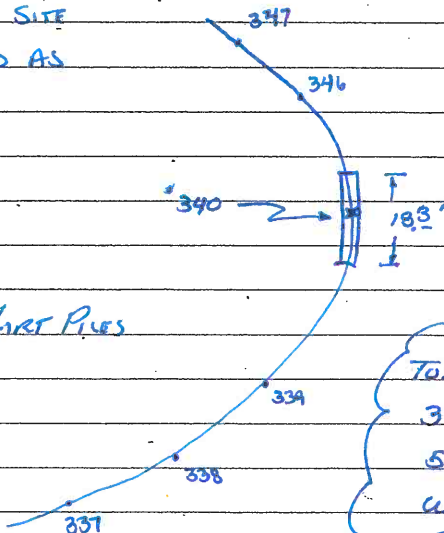
1 TON OF ROCK WAS EXISTING ON SITE

FROM RANNEY BROWN. IT WAS USED AS BASE ROCK IN F.

1:30, TILE IN PLACE, BACK FILL WITH ROCK.

WILL NEED TO PUSH FROZEN DIRT PILES IN WHEN THAWED OUT.

FURTHER ACTION NEEDED



TOTAL FOR TODAY 3/8/19

3 MEN + BACKHOE = 5 HRS.

5 TON 1" CLEAN ROCK

WIRE MESH

FABRIC

18.3' OF DUAL WALL 15" HOPE

12 BAGS CONC.

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

Observer's Signature:

*[Handwritten Signature]*

Date Prepared:

3/8/19

Reviewed by:

Engineer

Date Reviewed

REMOVING SNOW FROM EXISTING HOLE @ #340



PLACING BROODING ROCK @ F



CONDITIONS @ JOB SITE



CONDITIONS @ JOB S.R. #340



LOADING UP 12 BAGS CONCRETE FOR 3/4 COLARS



6 TON BEDDING ROCK USED



PLACING ROCK AROUND 15" HOPE





18.3' OF 15" HDPE dual Wall



CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

4/3/19

PROJECT NUMBER: \_\_\_\_\_  
COUNTY, ROUTE, ROAD: 6735  
LOCATION: DD9 H.

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/SUB  
NAME, ITEM NO. AND LOCATION

Cloudy, LIGHT RAIN

DROVE IN OFF Co. Hwy @ DD9, TO MUDDY TO DRIVE TO HOLE,  
PILE OF DIRT IS GONE, HOLE MUST BE FILLED, HOPEFULLY THEY HAD ENOUGH DIRT.  
Jim McDowen DROVE RUSS AND CONFIRMED THAT HOLE WAS FILLED AND NO  
IMPORTED DIRT NEEDED.

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

Observer's Signature: [Signature] Date Prepared: 4/3/19

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

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

3,3618723.499,4931323.978,1161.577,COMMON 8005  
4,3624567.908,4967262.956,1167.807,CP 3/4 .5DOWN  
300,3629737.028,4962244.618,1146.788,GS FO  
301,3629822.903,4962308.404,1146.891,FNL RR  
302,3629791.707,4962284.913,1147.160,FNL RR  
303,3629758.052,4962260.329,1146.995,FNL RR  
304,3629753.034,4962225.981,1147.279,GS TILELOCATE  
305,3629774.811,4962248.609,1146.216,GS TILELOCATE  
306,3629802.148,4962282.548,1146.295,GS TILELOCATE  
307,3629810.400,4962298.964,1147.030,GS TILELOCATE  
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311,3629891.427,4962375.437,1146.813,GS TILELOCATE  
312,3629925.863,4962404.629,1146.573,GS TILELOCATE  
313,3629938.454,4962416.585,1137.943,FL 18"CLAYTILE  
314,3629966.977,4962450.914,1146.365,GS TILELOCATE  
315,3630000.822,4962485.614,1146.076,GS TILELOCATE  
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320,3630134.112,4962679.895,1146.022,GS TILELOCATE  
321,3630145.419,4962699.671,1138.867,FL 15"CLAYTILE  
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340,3630555.208,4963401.223,1140.781,FL 15"CLAY@BLOWOUT  
341,3630929.429,4963280.734,1143.344,FL INTAKE BEEHIVE  
342,3630928.602,4963282.665,1145.920,GS  
343,3631016.362,4963171.872,1146.759,FNL RR  
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347,3630650.646,4963417.231,1146.017,GS TILE LOCATE  
348,3630708.938,4963395.887,1146.757,GS TILE LOCATE  
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354,3630917.044,4963287.278,1141.856,fl clay 15"  
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358,3631028.257,4963156.684,1146.702,GS TILE LOCATE  
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