

**AGENDA  
REGULAR DRAINAGE MEETING  
OCTOBER 31, 2018  
1:00 P.M.**

1. Open Meeting
2. Approve Agenda
3. Approve Minutes  
Wednesday, October 24, 2018 Regular Drainage Meeting

Documents:

[10\\_24\\_2018 - DRAINAGE MINUTES.PDF](#)

4. DD 148 - Approve Work Order Request #227

Documents:

[DD 148 WO 227 REQUEST.PDF](#)  
[DD 148 WO 227 MAP.PDF](#)

5. DD 146 - Approve Work Order Request #228

Documents:

[DD 146 WO 228 MAP.PDF](#)  
[DD 146 WO 228 REQUEST.PDF](#)

6. DD 9 - Approve Work Order Request #229

Documents:

[DD 9 WO 229 MAP.PDF](#)  
[DD 9 WO 229 REQUEST.PDF](#)

7. DD 62 - Approve Work Order Request #230

Documents:

[DD 62 WO 230 REQUEST.PDF](#)  
[DD 62 WO 230 MAP.PDF](#)  
[DD 62 WO 230 NEW MAP.PDF](#)  
[DD 62 REPAIR SUMMARY OWASA FINISHER 2017.PDF](#)

8. DD 38 - Approve Work Order Request #231

Documents:

[DD 38 WO 231 REQUEST.PDF](#)  
[DD 38 WO 231 MAP.PDF](#)

9. DD 165 - Approve Work Order Request #232

Documents:

[DD 165 WO 232 REQUEST.PDF](#)  
[DD 165 WO 232 MAP.PDF](#)

10. DD 167 - Discuss, With Possible Action, Landowner Concerns

Documents:

[DD 167 WO 208 DETAIL SUMMARY.PDF](#)

11. DD 55-3 Lat 9 - Discuss, With Possible Action, Repair Summary For Work Order #224

Documents:

[DD55-3\\_LAT9\\_WO224.PDF](#)

12. DD H-F 1 - Discuss, With Possible Action, Updates To Work Order #140 Project  
Tenant was to remove/kill willow trees but they are still standing. Engineer recommends  
removal/treatment this fall or next spring to prevent root growth and obstruction of tile.

Documents:

[DD H-F 1 OUTLET.PDF](#)

13. DD 1 - Discuss, With Possible Action, Spot Repairs Needed

Documents:

[\\_10182017-1095.PDF](#)

14. Approve Utility Permit Application #2018-14 With Heart Of Iowa

Documents:

[2018-14 UTILITY PERMIT HEART OF IOWA.PDF](#)

15. DD 55-3 Lat 9 - Discuss, With Possible Action, Updates To Work Order #134

Documents:

[DD 55-3 LAT 9 WO 134 UPDATE.PDF](#)

16. Other Business

17. Adjourn Meeting

# REGULAR DRAINAGE MEETING

10/24/2018 - Minutes

1. Open Meeting

Hardin County Board of Supervisors Co-Chairperson, Renee McClellan, opened the meeting via teleconference. Also present was Supervisor, Lance Granzow; Drainage Clerk, Tina Schlemme. Absent: BJ Hoffman.

2. Approve Agenda

Granzow moved, McClellan seconded to approve the agenda as presented with the addition of 'Approve Utility Permit #2018-13 With Radcliffe Telephone Company' per continuation of last week's discussion. All ayes. Motion carried.

3. Approve Minutes

Granzow moved, McClellan seconded to approve the minutes of the October 17, 2018 regular drainage meeting. All ayes. Motion carried.

4. Approve Claims For Payment

Granzow moved, McClellan seconded to approve the claims for payment with pay date of Friday, October 26, 2018. All ayes. Motion carried.

DD 167 ENG SVCS 9/14-10/12	Clapsaddle-Garber Assoc	\$ 964.00
DD 124 ENG SVCS 8/27-9/20	Clapsaddle-Garber Assoc	\$ 721.35
DD 55-3 LAT 9C PAY ESTIMATE 5	Hands On Excavating LLC.	\$ 399.28
DD 25 LEGAL SERVICES	The Davis Brown Law Firm	\$ 560.00
DD 25 ENG SVCS 9/14-10/12	Clapsaddle-Garber Assoc	\$ 2,284.70
DD 55-3 LAT 12 LEGAL	The Davis Brown Law Firm	\$ 752.50
DD 95 WO 162 CLAIM FOR DMGS 2018 SOYBEANS	Cleveland, James O	\$ 1,304.04
DD 55-3 LAT 9 PAY EST 5	Hands On Excavating LLC.	\$ 538.60

5. Discuss, With Possible Action, Repair Summary For Utility Permit #2018-4

Granzow moved, McClellan seconded to waive the signage requirement for Utility Permit #2018-4 with Heart of Iowa due to the utility being installed under the road surface and the drainage facility being an open ditch. All ayes. Motion carried.

6. Approve Utility Permit #2018-11 With Century Link

Granzow moved, McClellan seconded to approve Utility Permit #2018-11 with Century Link for placing fiber optic cable in the north ROW of 170th Street from O Avenue to N Avenue. All ayes. Motion carried.

7. Approve Utility Permit #2018-12 With South Front Networks

Granzow moved, McClellan seconded to approve Utility Permit #2018-12 with South Front Networks for boring fiber optic cable in the south ROW of US Hwy 65, contingent on South Front submitting the full set of plans as requested. All ayes. Motion carried.

8. Other Business

Granzow moved, McClellan seconded to approve Utility Permit #2018-13 with Radcliffe Telephone Company to install fiber optic cable to new residence near the intersection of Co Hwy S21 and Co Hwy D41. All ayes. Motion carried.

9. Adjourn Meeting

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



# Drainage Work Order Request For Repair

## Hardin County

**Date:** 10/25/2018

**Work Order #:** WO00000227

**Drainage District:** Drainage Districts \DD 148 (51160)

**Sec-Twp-Rge:** 07-89-19      **Qtr Sec:** NE SE

**Location/GIS:** 89-19-07-400-002

**Requested By:** Ross Enslin

**Contact Phone:** (641) 425-6307

**Contact Email:** ross.enslin@gmail.com

**Landowner (if different):** Rameyer Trust & Pat Knipfel

**Description:** DD 148 Main - Blowout in NE SE halfway between road and property line. Marked with white flags. Crops are out.

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

\_\_\_\_\_

\_\_\_\_\_

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

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

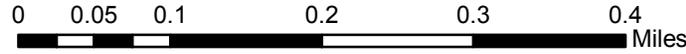
Hardin County Auditor's Office  
 Attn: Drainage Clerk  
 1215 Edgington Ave, Suite 1  
 Eldora, IA 50627  
 Phone (641) 939-8111  
 Fax (641) 939-8245

For Office Use Only

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



# Hardin County Auditor's Office



Date: 10/25/2018



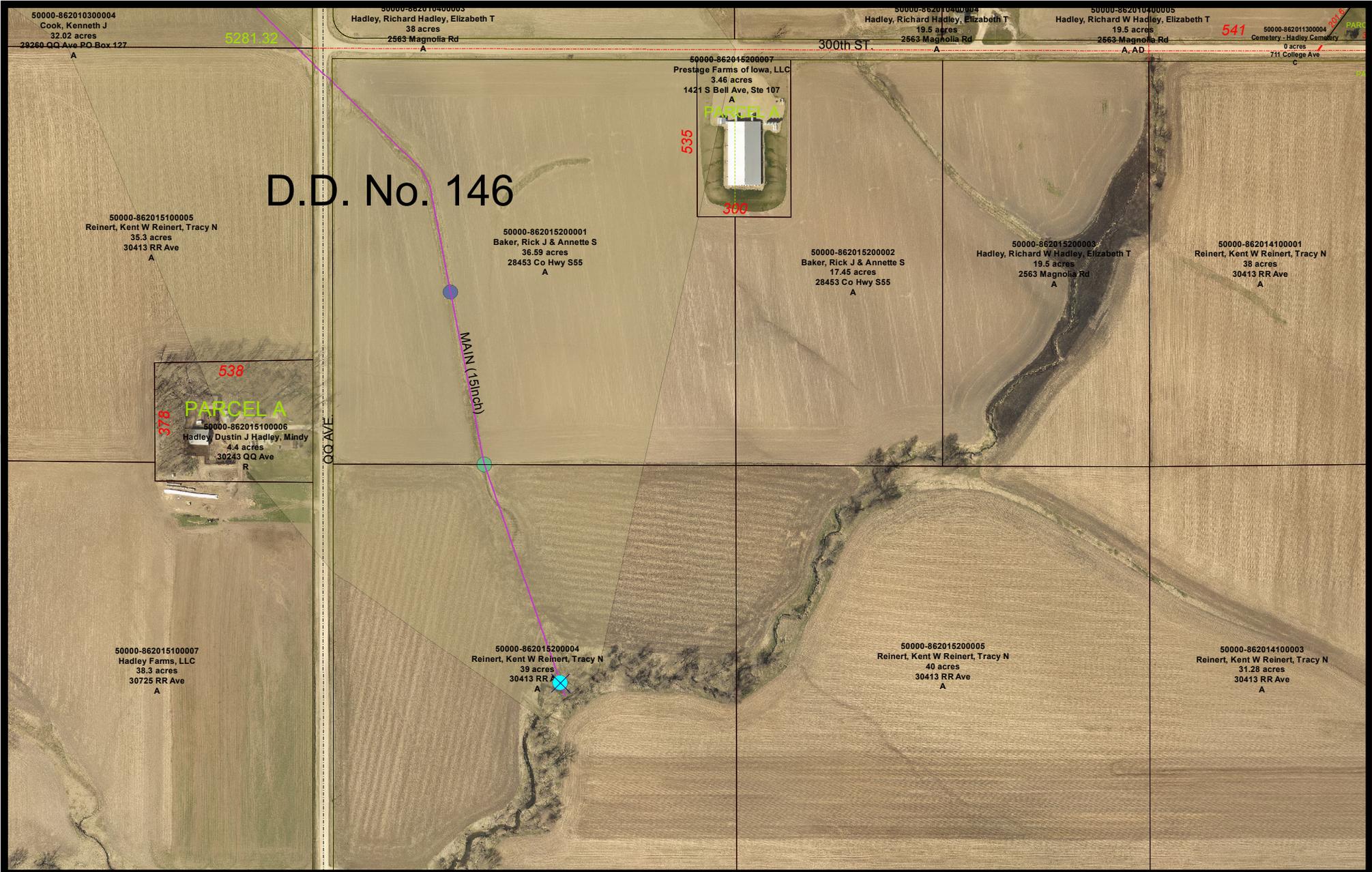
The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. Hardin County makes no warranties,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



# Hardin County Auditor's Office



Date: 10/26/2018



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# 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

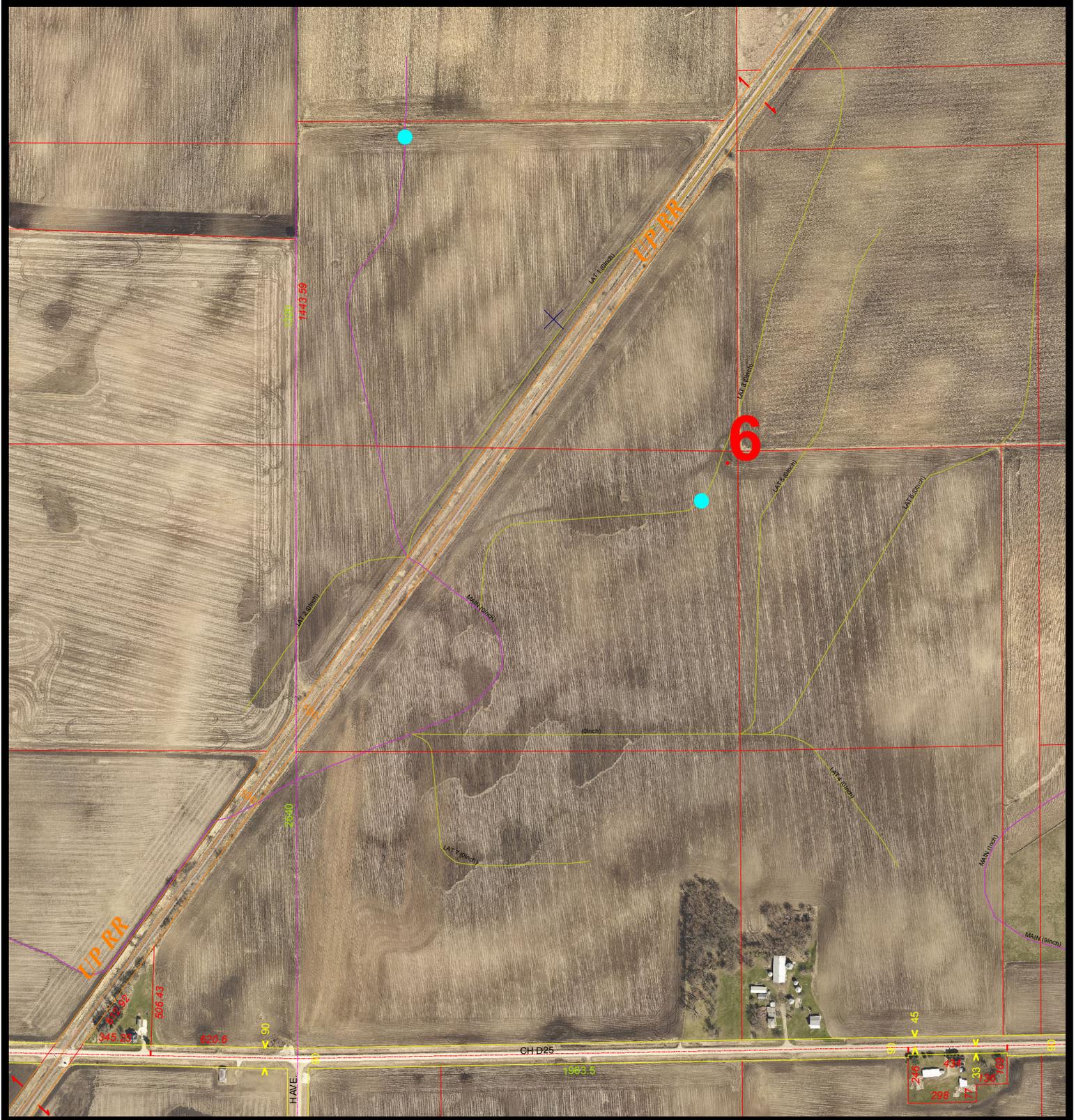
**Approved:** \_\_\_\_\_ **Date:** \_\_\_\_\_



# Hardin County Auditor's Office



Date: 10/26/2018



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# Drainage Work Order Request For Repair

## Hardin County

**Date:** 10/26/2018

**Work Order #:** WO00000229

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



# Drainage Work Order Request For Repair

## Hardin County

**Date:** 10/29/2018

**Work Order #:** WO00000230

**Drainage District:** Drainage Districts \DD 62 (51092)

**Sec-Twp-Rge:** 15-88-20      **Qtr Sec:** SE NW

**Location/GIS:** 88-20-15-100-004

**Requested By:** Jack Nissly

**Contact Phone:** (641) 648-4285

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

**Landowner (if different):** Jean Nissen Trust

**Description:** DD 62 - A lot of water standing in SE corner of SE NW 15-88-20. There has never been a water problem here and they would like to know where lateral 2 tile is exactly and where this land outlets to. Appears tile was relocated with hog farm to SE. Please call Jack when will 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:** \_\_\_\_\_

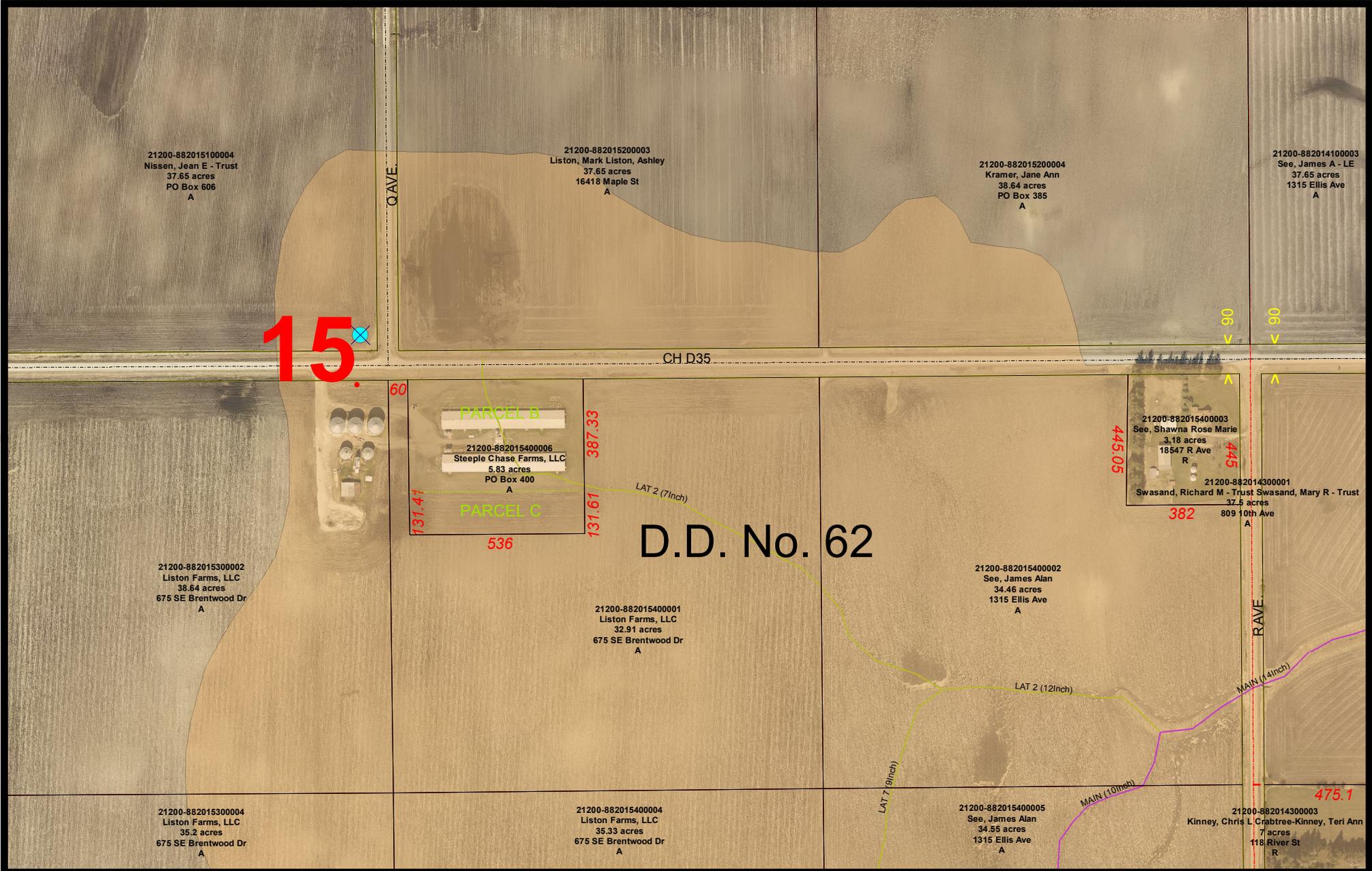


# Hardin County Auditor's Office



0 0.0325 0.065 0.13 0.195 0.26 Miles

Date: 10/29/2018



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Drainage District:

62 Lateral 2

Repair Summary:

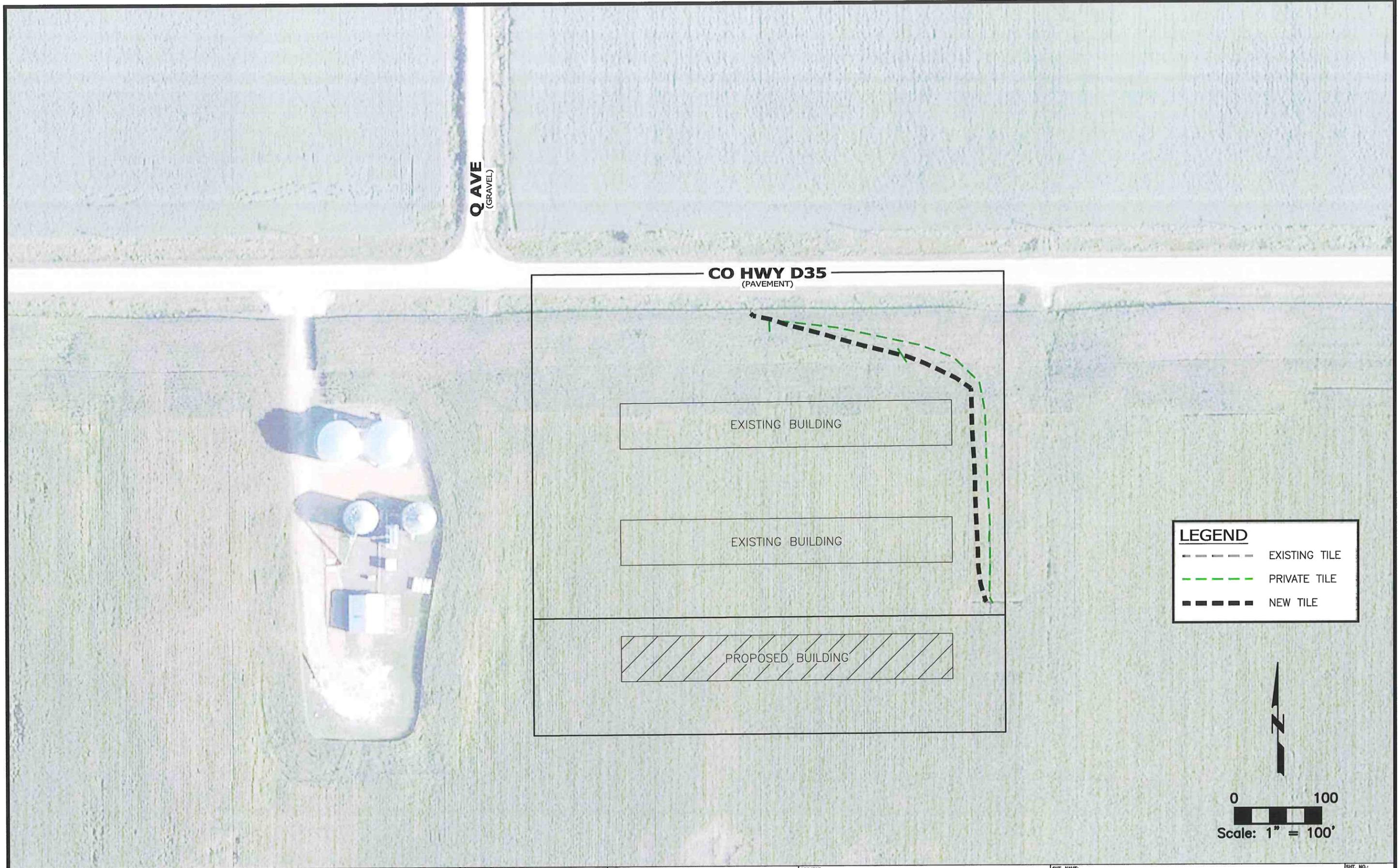
Landowner located in the NW¼ SE¼ of Section 15, Township 88 North, Range 20 West rerouted the existing Lateral 2 tile per District Trustees request with 8" diameter dual wall HDPE and rock bedding over top of pipe. Remaining 8" diameter single wall HDPE (previous rerouted tile) was left in place to be used a private tile only. All connections were performed with either factory couplings or concrete collars. Active private tile that were crossed during installation were either reconnected to themselves or connected to the rerouted Lateral 2 tile (i.e. dual wall HDPE). Trench was backfilled and soil was mounded to allow for settling. Landowner indicated that they would take care of leveling and seeding after settling has occurred.

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

Did not track as all work was at landowner's expense.

Additional Actions Recommended:

None.



**LEGEND**

- EXISTING TILE
- - - PRIVATE TILE
- NEW TILE

0 100  
Scale: 1" = 100'

DRAWN BY: MAH	APPROVED BY: LOC	REVISIONS:
DATE: 4/12/2017	PROJ. NO.: 6867	
FIELD BK: -		
P:\6867\CADD\DESIGN\6867-EXCON.DWG; 4/12/2017		

**RYKEN**  
ENGINEERING & LAND SURVEYING, INC.  
ACKLEY, MASON CITY & WEBSTER CITY, IOWA

ADDRESS:  
739 PARK AVENUE  
ACKLEY, IOWA 50601  
PH 641-847-3273 FAX 641-847-2303

PROJECT:  
REROUTE MAIN TILE DD 62  
HARDIN COUNTY, IOWA  
2017

SHT. NAME:  
TILE REROUTE  
EXHIBIT

SHT. NO.:  
1 OF 1

CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE: 03/31/2017

PROJECT NUMBER: 6867/DD#62  
COUNTY, ROUTE, ROAD: S. of HWY D35  
LOCATION: NW1/4 SE1/4 Sect. 15/Twp. 88/Rge. 20

DAYS OF WEEK: 

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

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

- 8:00 A.M.** CONSTRUCTION OBSERVER ON-SITE WITH BACKHOE & 2 MAN CREW ON SITE ALREADY WORKING.  
SET UP GPS BASE ON HARDIN COUNTY GPS MONUMENT 8054
- 8:30 A.M.** GPS BASE SET UP
- 8:35 A.M.** 2ND CREW (2 MEN AND CAT TRACK SKIDLOADER) WITH SHOWED UP WITH 8" DUAL WALL NON-PERF  
HDPE TILE (MEASURES 0.73' FROM TOP OUTSIDE OF DUAL WALL TO FLOWLINE OF DUAL WALL)
- 8:40 A.M.** SOUTHEAST END OF EXISTING MAIN TILE EXPOSED  
DOWNSTREAM ELEVATION = 1110.01 = (1109.95+1110.06) / 2  
UPSTREAM ELEVATION = 1111.84  
DISTANCE = 526.5'  
CALCULATED GRADE TO BE 0.34%.
- 8:55 A.M.** PICT 4845 = LOOKING SOUTH AT TEE REMOVED
- 9:02 A.M.** PICT 4846 = LOOKING WEST IN 7" VCP TILE. TILE IS CLEAN WITH 2-1/2"± FLOW
- 9:03 A.M.** PICT 4847 = LOOKING EAST IN 7" VCP TILE WITH 3-1/2"± FLOW
- 9:26 A.M.** PICT 4848 = LOOKING IN 6" VCP TILE
- 9:40 A.M.** START GRADING TRENCH FOR TILE
- 10:45 A.M.** CONTRACTOR (QUALITY DRAINAGE SOLUTIONS) QUITTING FOR DAY. THEY NEED BIGGER EXCAVA-  
TOR DUE TO SUGAR SAND & BANK EXCAVATION CAVING IN (SEE PICT 4849 AND 4851). TEMPORARILY  
PATCHED TILE UNTIL TOMORROW (SEE PICT 4850)
- 11:00 A.M.** CONTRACTOR LEFT SITE (SEE PICT 4852 AND 4854)

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

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

PICT# 4845



PICT 4846

PICT # 4847



PICT # 4848

PICT# 4849



PICT# 4850

PICT# 4851



PICT# 4852

PICT #4854



CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

04/01/2017

PROJECT NUMBER: 6867/DD#62  
COUNTY, ROUTE, ROAD: S. of HWY D35  
LOCATION: NW1/4 SE1/4 Sect. 15/Twp. 88/Rge. 20

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

- 7:25 A.M. ARRIVED ON-SITE AND SET UP GPS BASE ON PT #2. CONTRACTOR WAS ALREADY EXCAVATING WITH VOLVO EXCAVATOR TO INSTALL 8" DUAL WALL HDPE TILE.
- 7:40 A.M. CHECKED GPS INTO SURVEY MARK AT PT #3 (HORIZ AND VERT CHECKS) CONTRACTOR STARTING TO INSTALL TILE WITH ROCK BEDDING PAST TOP OF PIPE.
- 8:00 A.M. 1ST PIPE IN. CHECKED ELEVATION AT END = PT #38. SOIL CONDITIONS ARE STILL SUGAR SAND. PICT 4855
- 8:47 A.M. 2ND PIPE IN. CHECKED ELEVATION AT END = PT #39. PICT 4856 AND 4857
- 9:11 A.M. 3RD PIPE IN. CHECKED ELEVATION AT MIDDLE = PT #40. SOIL CONDITIONS STARTING TO GET BETTER BY END OF 3RD PIPE
- 9:54 A.M. 4TH PIPE IN. CHECKED ELEVATION = PT #42
- 10:10 A.M. GRADING TRENCH BOTTOM FOR 5TH TILE
- 10:13 A.M. 5TH PIPE IN. CHECKED ELEVATION = PT #41
- 11:00 A.M. 6TH PIPE IN. CHECKED ELEVATION = PT #45. PICT 4860. FOUND PIECE OF CRUSHED SINGLE WALL HDPE PRIVATE TILE IN BANK OF EXCAVATION.
- 11:40 A.M. 7TH PIPE IN. CHECKED ELEVATION = PT #46
- 12:30 P.M. 8TH PIPE IN. CHECKED ELEVATION = PT #47. TRENCH 4' WIDE. PICT 4864
- 1:14 P.M. 9TH PIPE IN. CHECKED ELEVATION = PT #48
- 2:00 P.M. 10TH PIPE IN. CHECKED ELEVATION = PT #49.
- 2:05 P.M. STOPPED INSTALLING PIPE TO PARTIALLY BACKFILL HOLE ABOVE BEDDING ROCK
- 2:10 P.M. 11TH PIPE IN. CONTRACTOR BACKFILLING TRENCH. OBSERVER SHOT EAST & NORTH SIDES OF HOG BUILDING FOR REFERENCE. PICT 4865, 4866, 4867, AND 4868
- 3:00 P.M. TORE DOWN GPS & LEFT SITE

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

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

PICT #4855



PICT #4856

PICT# 4857



PICT# 4858

PICT# 4859



PICT# 4860

PICT#4862



PICT# 4863

PICT# 4864



PICT# 4865

PICT# 4866



PICT# 4867

PICT# 4868



CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE: 04/03/2017

PROJECT NUMBER: 6867/DD#62  
COUNTY, ROUTE, ROAD: S. of HWY D35  
LOCATION: NW1/4 SE1/4 Sect. 15/Twp. 88/Rge. 20

DAYS OF WEEK: 

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

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

- 7:35 A.M.** OBSERVER ARRIVED ON SITE. QUALITY DRAINAGE SOLUTIONS ON SITE ALREADY WITH 4 MAN CREW, CAT TRACK SKIDLOADER, VOLVO EXCAVATOR, AND JD BACKHOE. CREW IS EXCAVATING TO UNCOVER NORTH END OF NEWLY INSTALLED 8" HDPE & SOUTH END OF EXISTING 7" VCP TILE TO COMPLETE INSTALLATION.
- 7:55 A.M.** GPS BASE SET UP AT PT #2 & CHECKED INTO PT #3 (GOOD VERTICAL & HORIZONTAL)
- 8:20 A.M.** 11TH TILE IN WITH 4" PLUS BEDDING ROCK UNDER TILE AND BEDDING ROCK OVER TOP OF TILE (SAME AS PREVIOUS)
- 8:25 A.M.** CHECKED ELEVATION = PT #55
- 8:33 A.M.** PICT#1 LOOKING NORTH SHOWING 11TH TILE IN PLACE WITH BEDDING ROCK
- 8:38 A.M.** PICT #2 LOOKING SW AT 8"x8"x8" HDPE WYE INSTALLED ON EXISTING 8" HDPE TILE
- 8:56 A.M.** PICT #3 LOOKING EAST AT CONNECTION OF NEW 8" HDPE TILE TO EXISTING 7" WEST CLAY AND DUAL WALL HDPE TILE EAST WITH 8" BAND COUPLER AT JOINT
- 9:13 A.M.** 12TH TILE IN. CHECKED ELEVATION = PT #60
- 9:19 A.M.** PICT #4869 LOOKING SW AT HDPE BAND AND BAND TO NW WRAPPED WITH FABRIC
- 9:27 A.M.** PICT #4870 LOOKING SE AT 8" CLAY/PLASTIC ADAPTER AT WEST CONNECTION
- 10:30 A.M.** OBSERVER AND QUALITY DRAINAGE QUIT DUE TO WET RAIN.

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

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

PICT # 1



04/03/2017 8:33 A.M.



04/03/2017 8:38 A.M.

PICT # 2

PICT#3



04/03/2017 8:56 AM.

PICT# 4869



PICT# 4870

PICT# 4871



PICT# 4872

PICT# 4873



PICT# 4874

PICT# 4875



CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE: 04/06/2017

PROJECT NUMBER: 6867/DD#62  
COUNTY, ROUTE, ROAD: S. of HWY D35  
LOCATION: NW1/4 SE1/4 Sect. 15/Twp. 88/Rge. 20

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

- 7:25 A.M. CONSTRUCTION OBSERVER ARRIVED ON SITE. SET UP GPS BASE ON PT #2
- 7:45 A.M. CHECKED ON CONTRACTOR WHO IS EXCAVATING ALREADY AT 45° HDPE BEND. CONTRACTOR HAS 3  
MAN CREW, VOLVO EXCAVATOR, AND CAT SKIDLOADER
- 8:00 A.M. 1ST TILE PAST 45° BEND IN. CHECKED ELEVATION PT#66. PICT 4970, 4971, AND 4972
- 8:35 A.M. 1ST TILE PAST 45° BEND IN. CHECKED ELEVATION PT#67
- 9:02 A.M. 3RD TILE PAST 45° BEND IN. CHECKED ELEVATION PT#68
- 9:18 A.M. CUT THROUGH 4" HDPE PERF PRIVATE TILE WHILE EXCAVATING. CALLED LEE AND HE SAID TO TRY  
TO RECONNECT IT TO ITSEL.
- 9:35 A.M. 4TH TILE PAST 45° BEND IN. CHECKED ELEVATION PT#69. PICT 4973
- 10:05 A.M. 5TH TILE PAST 45° BEND IN. CHECKED ELEVATION PT#70. PICT 4977
- 10:25 A.M. 6TH TILE PAST 45° BEND IN. CHECKED ELEVATION PT#71
- 10:35 A.M. CUT THROUGH ANOTHER 4" HDPE PERF PRIVATE TILE WHILE EXCAVATING. PICT 4978
- 11:06 A.M. 7TH TILE PAST 45° BEND IN. CHECKED ELEVATION PT#72. ALSO SHOT 8" TO 4" HDPE REDUCER TIED TO  
8"x6" TEE FOR PRIVATE TILE TIE IN. PICT 4979 AND 4980
- 11:45 A.M. 8TH TILE PAST 45° BEND IN. CHECKED ELEVATION PT#74
- 12:15 P.M. 9TH TILE PAST 45° BEND IN. CHECKED ELEVATION PT#75
- 12:34 P.M. 10TH TILE PAST 45° BEND IN. CHECKED ELEVATION PT#76. PICT 4981
- 1:11 P.M. 11TH TILE PAST 45° BEND IN. CHECKED ELEVATION PT#77. PICT 4982 AND 4984
- 2:14 P.M. 12TH TILE PAST 45° BEND IN. CHECKED ELEVATION PT#79
- 2:45 P.M. 13TH TILE PAST 45° BEND IN.
- 2:50 P.M. ONE WORKMAN WENT FOR PARTS IN IOWA FALLS. OTHER 2 WORKMAN START BACKFILLING TRENCH
- 3:50 P.M. CREW WORKING ON TYING 6" HDPE SINGLE WALL PRIVATE TILE TO MAIN TILE. WORKMAN BACK  
WITH SUPPLIES
- 5:01 P.M. DONE WITH CONCRETE COLLARS AND CREW CONTINUING TO BACKFILL
- 7:30 P.M. OBSERVER LEFT SITE WITH CONTRACTOR STILL BACKFILLING.

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

Observer's Signature: Dean Penning Date Prepared: \_\_\_\_\_

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

PICT# 4970



PICT# 4971

PICT# 4972



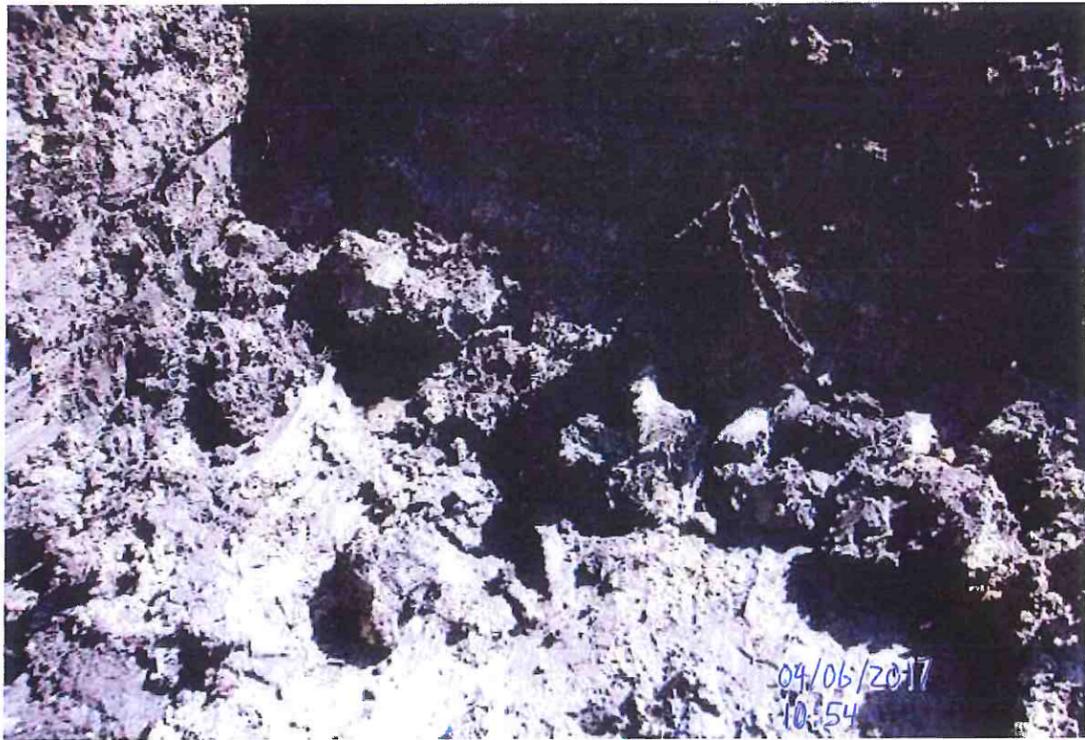
PICT# 4973

PICT# 4974



PICT# 4975

PICT# 4977



PICT# 4978

PICT# 4979



PICT# 4980

PICT#4981



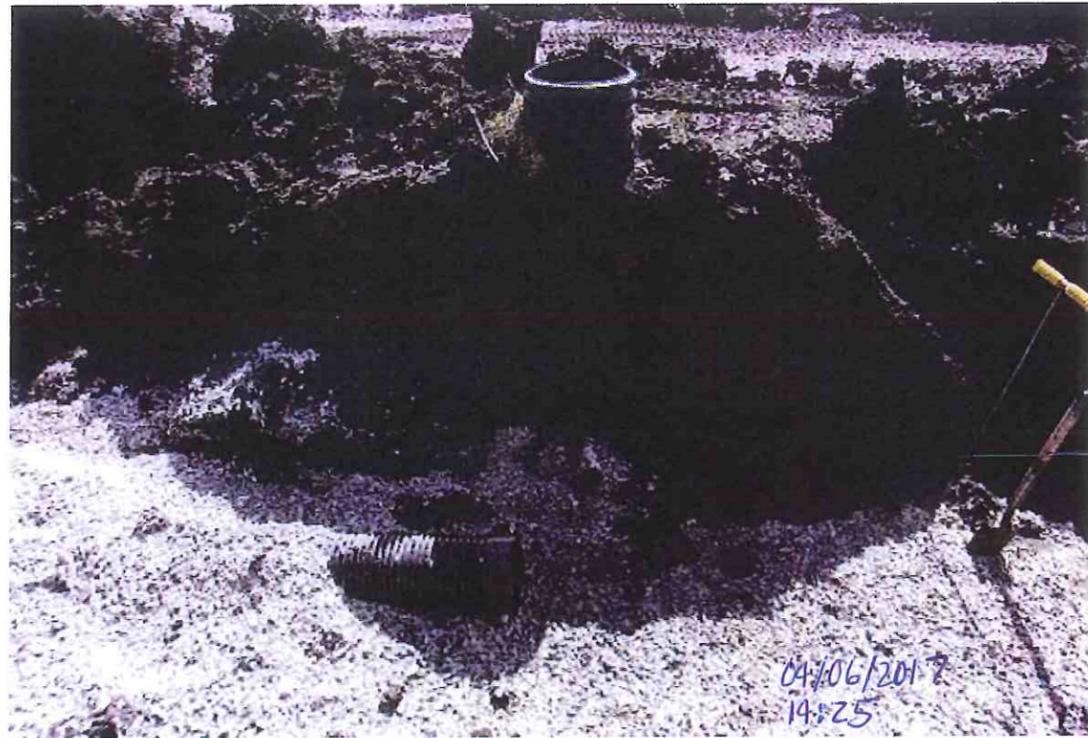
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PICT# 4985

PICT#



PICT# 4988



PICT# 4989

PICT# 4990



PICT# 4991

PICT#4992



PICT # 4993

PICT# 4994



04/06/2017  
16:56



04/06/2017  
17:03

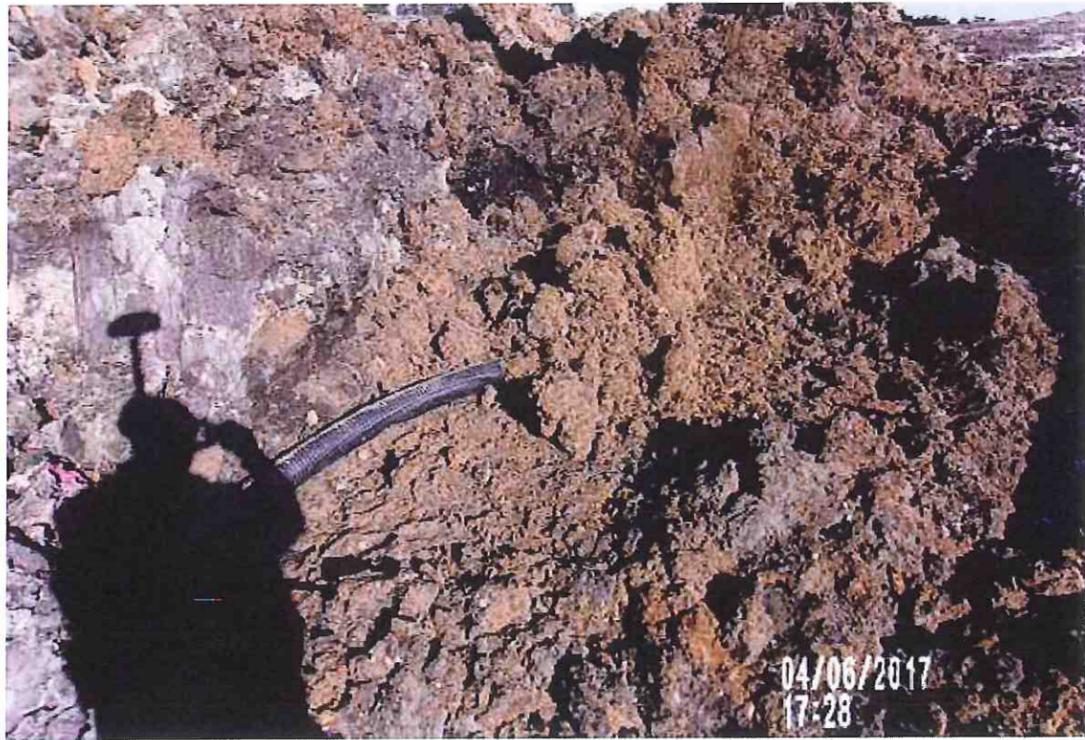
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PICT#499.6



PICT#499.7

PICT# 4999



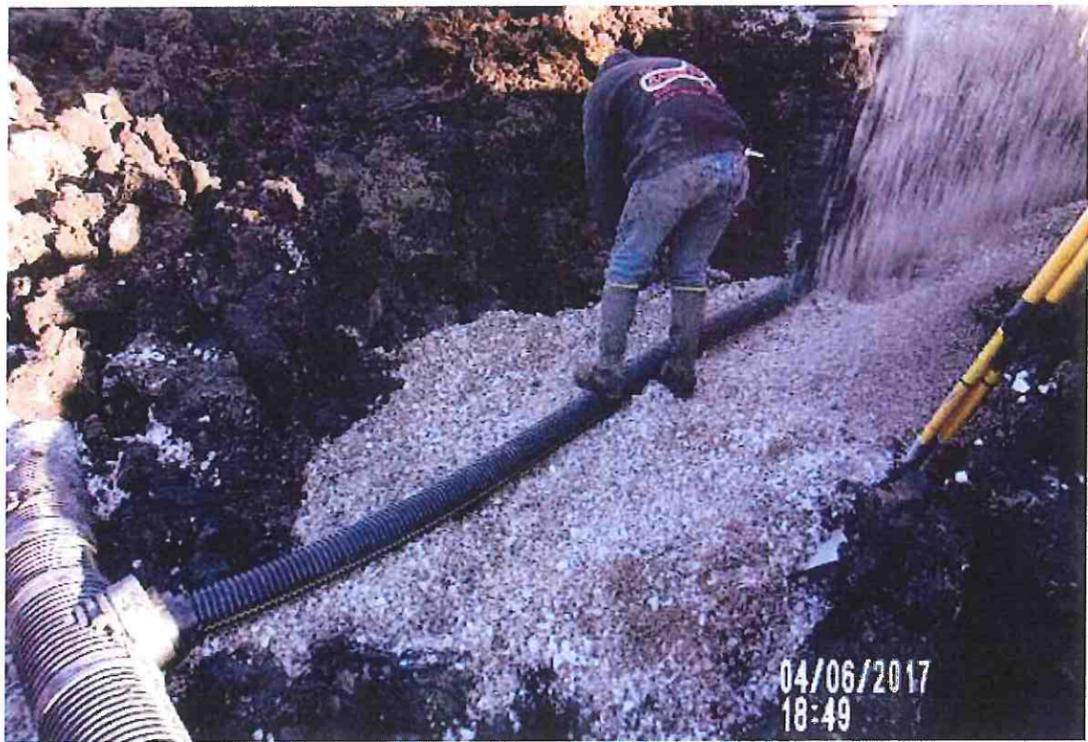
PICT # 5001

PICT# 5002



PICT# 5003

PICT# 5004



PICT 5005

PICT# 5006



PICT# 5007

PICT# 5008



PICT# 5009

PICT# 5010



PICT# 5011

PICT # 5012



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6867 4-06-2017DP

65,9824.419,9902.517,1111.678, TOP 8" HDPE 45 BEND (0.73' TO FL),  
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8055,8597.083,4604.763,1102.260,8054,



# Drainage Work Order Request For Repair

## Hardin County

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

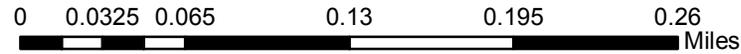
**Please reference work order # and send statement for services to:**  
Hardin County Auditor's Office  
Attn: Drainage Clerk  
1215 Edgington Ave, Suite 1  
Eldora, IA 50627  
Phone (641) 939-8111  
Fax (641) 939-8245

For Office Use Only

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



# Hardin County Auditor's Office



Date: 10/29/2018



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



# Drainage Work Order Request For Repair

## Hardin County

**Date:** 10/29/2018

**Work Order #:** WO00000232

**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 Drainage

Drainage Districts \DD 167 (51191)

WO00000208

# Work Order Detail Summary

**Begin Date:** 4/26/2018  
**Status:** Engineer Report - Engineer Creating Report  
**Description:** DD 167 - Blowout in lower end of waterway in NE SE 4-86-20 with "babies" northwest of it. The ground cover over the tile in this area is very shallow.

**Requested By:** Robert Jenson  
**Email:**  
**Phone:** (641) 849-0341  
**Landowner:** Neil Martin  
**GIS #:** 86-20-04-400-002  
**Sec-Twp-Rge:** 04-86-20 NE SE

Expenses:					Contract/Estimate:	
Date	ExpenseCode	Vendor	Description	Amount	Description	Amount
9/24/2018	Engineering	Clapsaddle-Garber Assoc	DD 167 ENG SVCS 7/13-9/14	\$274.90		
9/28/2018	Engineering	Clapsaddle-Garber Assoc	ENG SVCS 7/13-9/14	\$274.90		
10/22/2018	Engineering	Clapsaddle-Garber Assoc	DD 167 ENG SVCS 9/14-10/12	\$964.00		
<b>Total:</b>				<b>\$1,513.80</b>		

### Notes:

**Note**

5-2-2018 BOS approve work order request and for CGA to investigate. If a simple fix, CGA should continue with hiring a contractor through the lottery system.

7/11-Evidence of blockage. BOS set landowner mtg for 7/25/18 at 11:00 am. Tina to research the history of the DD.

7/25-CGA to create engineer's report with both repair and improvement options. Repair to include a single line repair and replacing both lines into one. Reclassification may be considered when eng rpt is discussed.

10/29/18-Robert Jensen was in and would like the blowout repaired. Crops are out and will have cattle out there in 3 weeks. Blowout is still flagged.



# Drainage Work Order Request For Repair

## Hardin County

**Date:** 8/9/2018

**Work Order #:** WO00000224

**Drainage District:** Drainage Districts \DD 55-3 (51085)\DD 55-3 Lat 9(5124

**Sec-Twp-Rge:** 01-86-20      **Qtr Sec:** NE1/4

**Location/GIS:** 86-22-01-200-001

**Requested By:** Randy Dubberke

**Contact Phone:** (641) 864-3388

**Contact Email:** randeb@netins.net

**Landowner (if different):** RanShell, LLC

**Description:** Outlet seems plugged and land from NE1/4 Section 2 & NW1/4 Section 1 (outside district boundaries but draining into DD) overflowing land in NE1/4 Section 1 to get to ditch lying east of H Avenue.

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

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

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

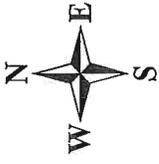
Hardin County Auditor's Office  
Attn: Drainage Clerk  
1215 Edgington Ave, Suite 1  
Eldora, IA 50627  
Phone (641) 939-8111  
Fax (641) 939-8245

For Office Use Only

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



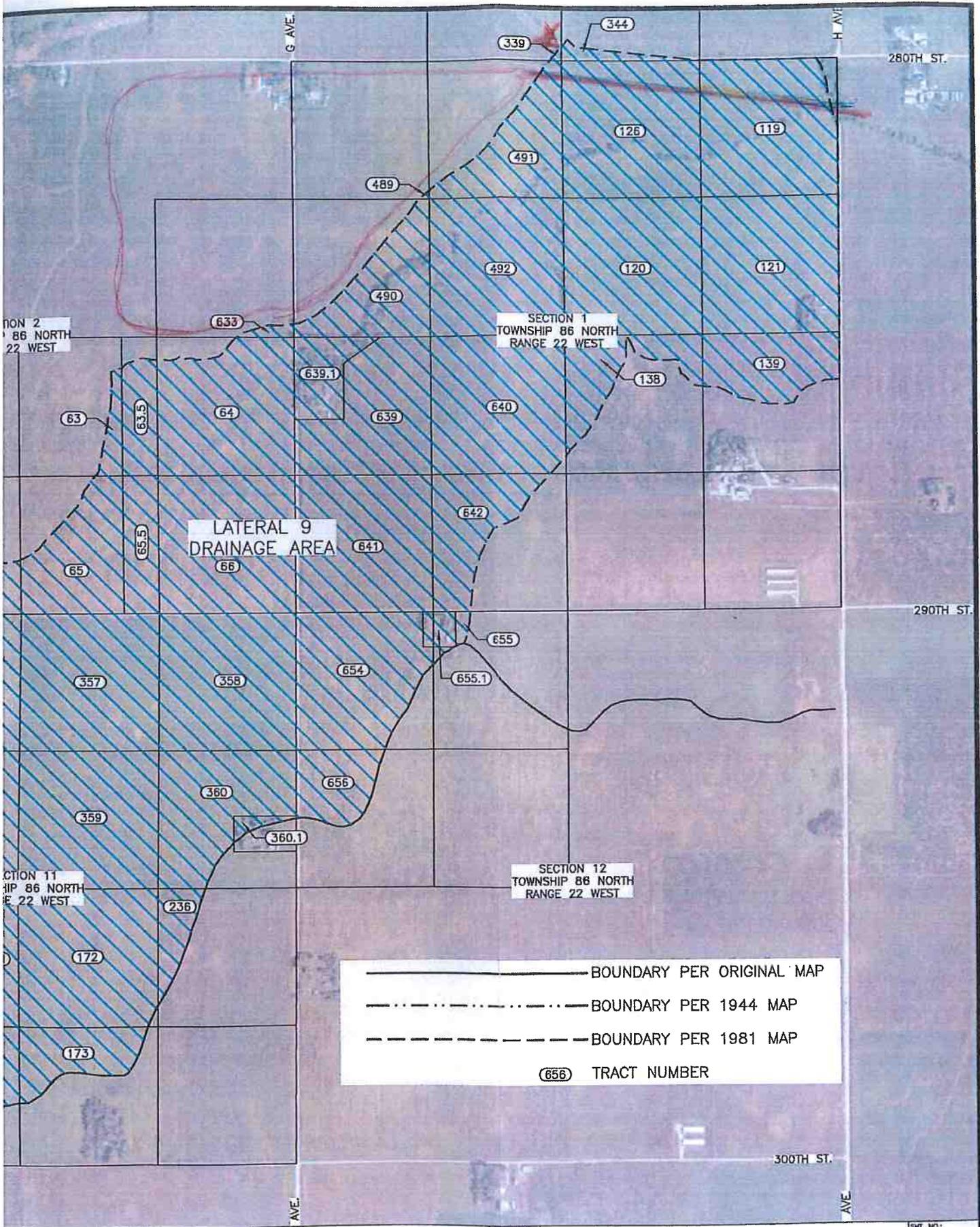
# Hardin County Auditor's Office



Date: 8/9/2018



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SECTION 2  
TOWNSHIP 86 NORTH  
RANGE 22 WEST

SECTION 1  
TOWNSHIP 86 NORTH  
RANGE 22 WEST

LATERAL 9  
DRAINAGE AREA

SECTION 11  
TOWNSHIP 86 NORTH  
RANGE 22 WEST

SECTION 12  
TOWNSHIP 86 NORTH  
RANGE 22 WEST

— BOUNDARY PER ORIGINAL MAP  
 - - - BOUNDARY PER 1944 MAP  
 - · - · BOUNDARY PER 1981 MAP  
 (656) TRACT NUMBER

## Drainage District:

#55 Div 3, Lat 9

## Investigation Summary:

- Landowner in the NE¼ Section 1, Township 86 North, Range 20 West reported overland flow of water originating from the NE¼ Section 2 T87N R20W and NW¼ Section 1 T87N R20W due to plugged tile outlet.
- Visual observation found a blowout/sinkhole on the south side of 280<sup>th</sup> Street with water coming out and flowing overland in a northerly direction beneath 280<sup>th</sup> Street via a 24-inch CMP culvert and continuing to the Main Open Ditch of D.D. No. 55 Div 3.
- The 12-inch CMP outlet into said Main Open Ditch was found to have no flow coming from it. The area around this outlet was found to contain woody brush, cottonwood trees, and a fiberoptic utility crossing it.

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

None recorded, only investigation performed.

## Additional Actions Recommended:

- Excavate the blowout/sinkhole to determine the cause of the blockage. If it cannot be determined from said excavation, CCTV inspection may need to be performed to find cause of blockage.
- Remove woody brush and cottonwood trees whose roots may plug the Lateral 9 tile.
- Rodent-guard should be installed on 12-inch CMP outlet.



CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE:

8/30/18

DAYS OF WEEK:

S | M | T | W | T | F

PROJECT NUMBER:

6636.6

COUNTY, ROUTE, ROAD:

DD55, DIV3, LAT 9

LOCATION:

280TH ST

SHEET NO.

1 OF 1

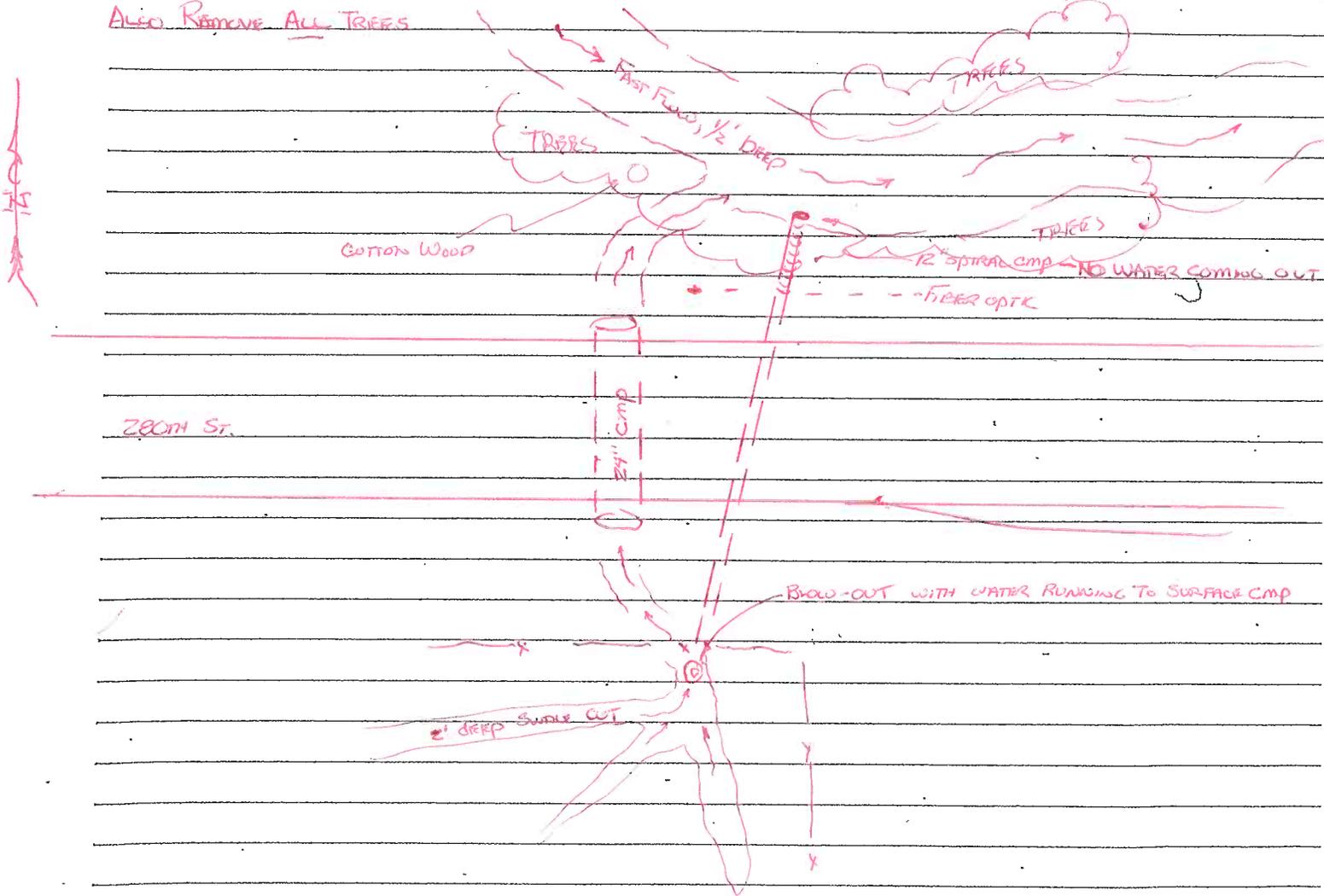
DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SU  
NAME, ITEM NO. AND LOCATION

Cloudy, 75°, Very Windy From South

DROVE TO INTERSECTION OF LAT 9, DD55 MAIN, 280TH ST (E-W)

NO WATER COMING OUT OF LAT 9 CMP OUTLET. NEED TO CHECK ON FIBER OPTIC AND ROAD XING.

ALSO REMOVE ALL TREES



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

Observer's Signature:

Date Prepared:

8/30/18

Reviewed by:

\_\_\_\_\_

Engineer

Date Reviewed

LAT 9 ROUTE LOOKING NORTH @ OUTLET



LAT 9 ROUTE LOOKING N. @ OUTLET



LAT 9 ROUTE LOOKING SOUTH



CONDITIONS @ S. P/W 280TH ST. NEAR LAT 9. VICINITY



SOUTH SIDE SURFACE CAMP UNDER 280TH ST. TAKING BLOWOUT WATER



BLOW-OUT SOUTH OF S. 1/4 280TH ST. LAT. 9 VICINITY



Cone. missouri XING UPSTREAM FROM OUTLET



Outlet 2AT9



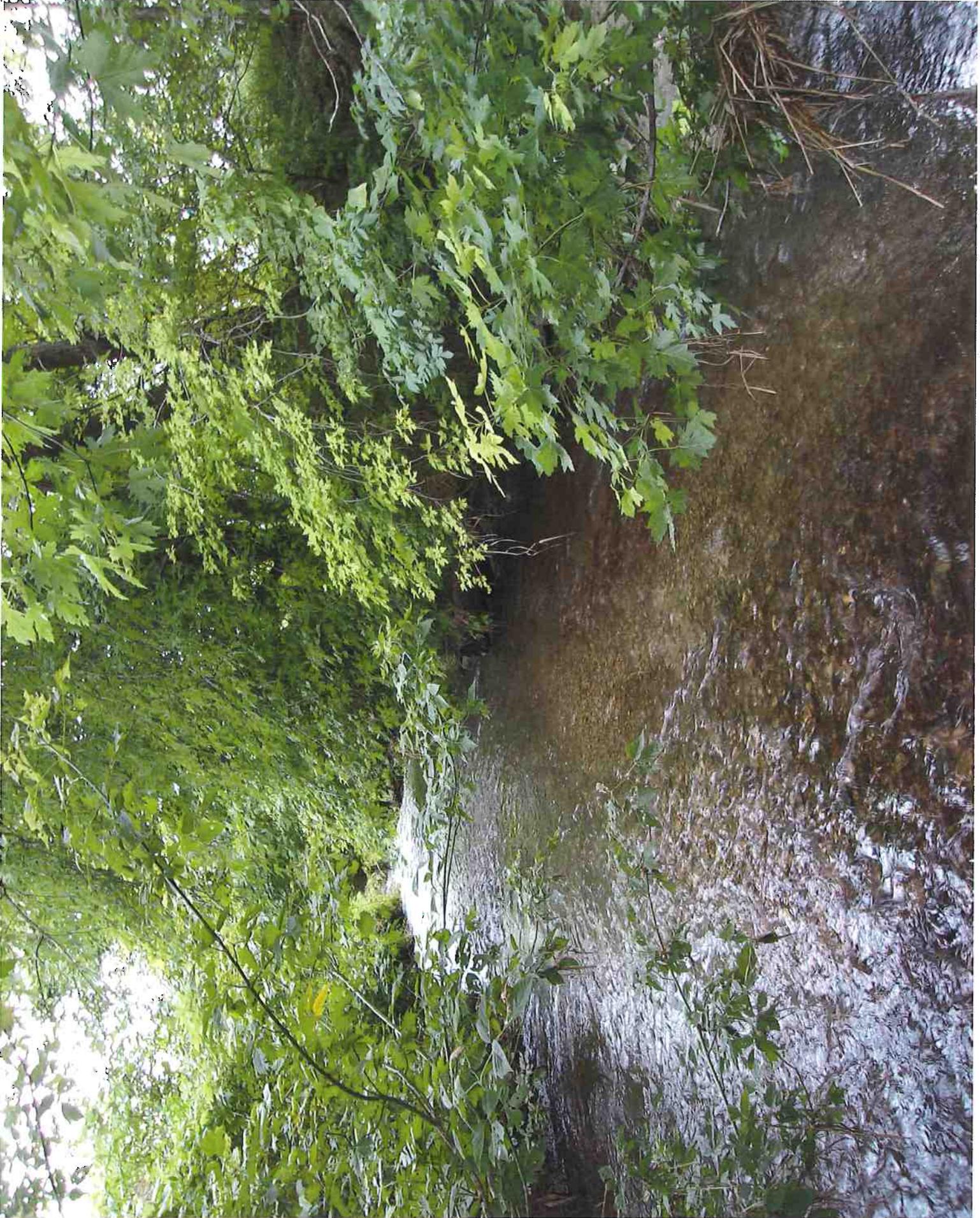
OUTLET PIPE NEEDS TO BE CHANGED OUT



Looking W. From outlet @ "Y" in open Ditch, Lt. is surface water



LAT. 9 OUTLET UNDER TREE CANOPY



12" spiral comp outlet lat 9



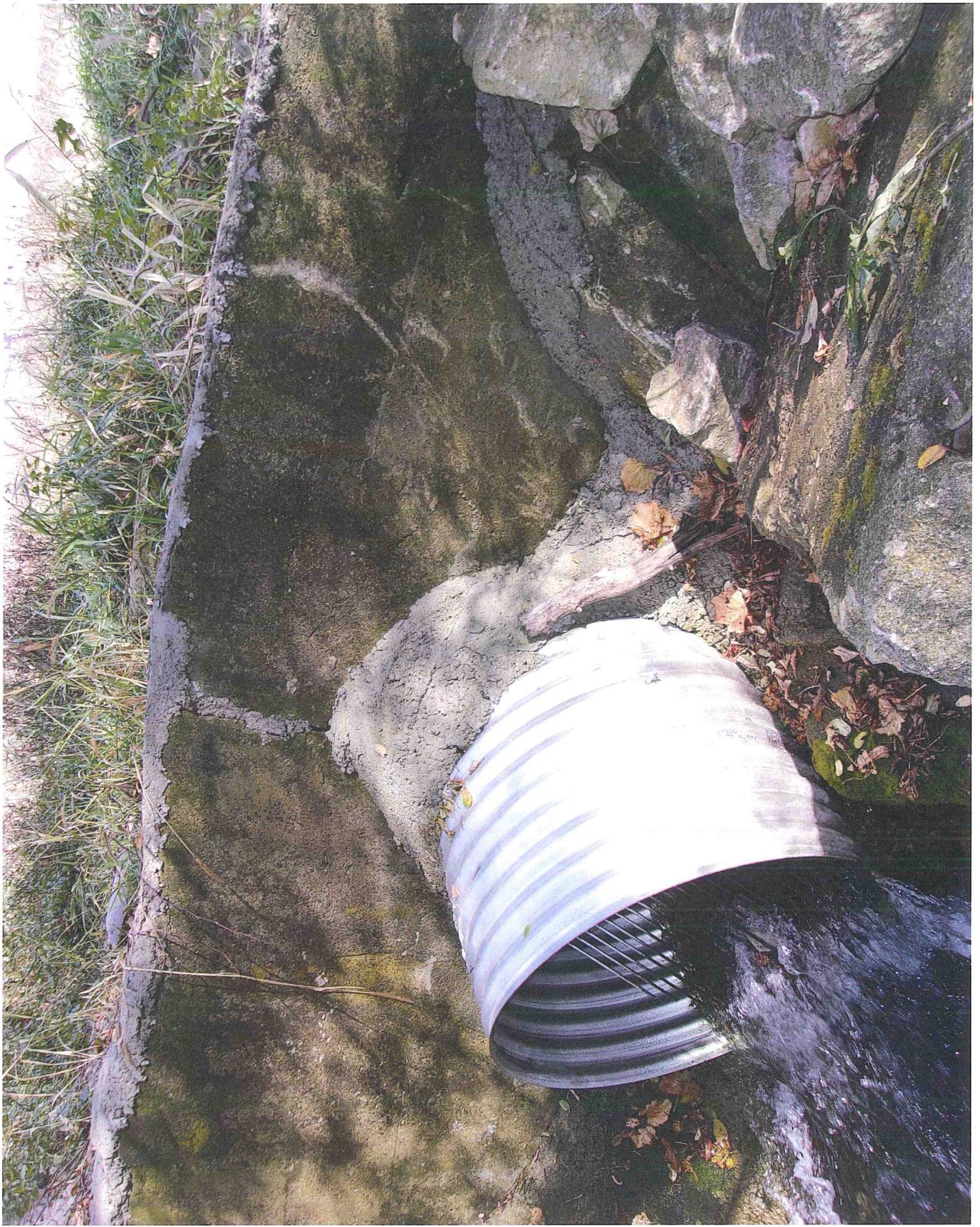
12" SPIRAL Cmp OUTLET LAT 9



ODI HARDIN Co. OUTLET, WILLOWS STILL OVER TILE



001 HARDON Co. OUTLET REJUUVINATED



**MINUTES  
REGULAR DRAINAGE MEETING  
OCTOBER 18, 2017**

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

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

Hoffman moved, McClellan seconded to approve the minutes of the October 11, 2017 regular drainage meeting. All ayes. Motion carried.

McClellan moved, Hoffman seconded to approve the claims for payment with pay date of Friday, October 20, 2017. All ayes. Motion carried.

DD 98	Hands On Excavating LLC.	4,282.79
DD 55-3 Lat 9	Hands On Excavating LLC.	72,139.49

McClellan moved, Hoffman seconded to approve the Contract for Engineering Services between Clapsaddle-Garber Associates and Hardin County Supervisors (Acting as Drainage District Trustees). All ayes. Motion carried.

DD 1 – Hoffman moved, McClellan seconded to approve Change Order #1 with Gehrke, Inc. The change order reduces the project by \$200, from \$149,749 to \$149,549. Approximately 20 feet of 30” tile was installed as galvanized versus the contracted aluminized, which resulted in \$10 less per foot. All ayes. Motion carried.

DD 1 – Granzow stated that a landowner voiced concerns regarding the spoil bank not being large enough where water comes in. Gallentine stated it’s possible the bank may erode over time but they have used all the dirt on site. They can truck dirt in for the bank, but it will increase to the project total. The Trustees agreed to wait and see how the area performs over time. Gallentine also updated the Trustees with a few different topics regarding the current project.

- Gehrke, Inc. submitted a letter regarding the headwall that was installed without supervision. The Trustees didn’t have any objections to the letter.
- Landowner, Ken Reece, told Gehrke’s they wanted the old tile buried on site versus trucking off. A letter signed by Reece was submitted stating his approval. Gallentine stated there will not be a price reduction from Gehrke’s.
- Landowner, Arnie Luiken, has 2-3 tiles that currently outlet into the open waterway. The contractor is questioning whether the tiles should be hooked into the district tile or left to outlet to the waterway. It was discussed that the waterway will be passable, so hooking them up to the tile would be ideal. The Trustees agreed though to consult with Luiken and do what option he would like.
- While working on a spot repair on Luiken’s land, a concern was discovered. There was an intake off to the side, but it was discovered that there is a pipe on the east side of the main on intake that goes west over the main tile and dumps into a private tile. The private tile then comes back to empty into the main. The contractor feels that an intake should be installed and the two lines removed, which would still leave the private line to the main, but would increase the project by about \$1,000. It was discussed that maybe these tiles were installed at one time to prevent backup. The Trustees agreed to do what Luiken would like.
- There are two spot repairs needed in the D35 road ditch on each side of the road. It appears that the existing roadway culvert is sitting on top of the tile and a repair would undermine the culvert/road. The Trustees agreed to do nothing at this time and repair the two locations as a separate project with options submitted at that time. A reduction change order will result in the current project.

DD 86 – Gallentine updated the Trustees that there are three large trees near Monarch Pond that are within 50 feet of the tile. Two trees closest to the tile were removed at a cost of \$4,000. The third cottonwood tree is about 40 feet from the tile and has a deck built around it. It hasn't been removed yet but will cost \$3,500 to remove it. Hoffman moved, McClellan seconded to remove the third tree but to make the landowner aware of the decision. All ayes. Motion carried.

Other Business:

DD 72 – Gallentine updated the Trustees that MD Construction has ran into sand on the current project. They have requested a change order to increase the price due to extra work needed. Gallentine needs to review the specs for this project, but typically the project states it is the contractor's responsibility to look at soil types and to bid accordingly. If a change order would occur, it would change the price from \$54/foot to \$79/foot. Currently, MD Construction has ran into about 800' of sand so far. It was agreed that Gallentine will check the specs and report back. The contractor has also suggested placing a fabric on top of the installed tile to prevent sand from entering. The Trustees agreed this was a good idea and a change order will follow. The contractor also requested an extension of the contract deadline, which is spring of 2018. Gallentine felt this request was premature and there should be time to complete the project by the deadline.

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



# Drainage Utility Permit Application

## Hardin County

**Applicant:** Jay Duncan

**Contact Email:** jduncan@heartofiowa.coop

**Contact Phone:** (641) 486-2211

**Utility Type:** Communications

**Drainage District:** Drainage Districts \DD 124 (51139)

**Description of Work:** Heart of Iowa  
502 Main St  
PO Box 130  
Union, IA 50258

Dig up existing 12 pair copper cable and swing into 2 new peds for new house. Swing 1.25" HDPE joint bored with power company into ped and install 6 pair copper cable cross D41.

Pursuant to Code of Iowa Section 468.186, approval is hereby requested for the right, privilege and authority to construct, operate and maintain utilities on, over, across or beneath established Hardin County Drainage Districts, subject to the attached Requirements for Construction On, Over, Across or Beneath Established Drainage Districts. Failure to comply with said requirements shall be ground for revocation of the permit by the Hardin County Board of Supervisors.

\_\_\_\_\_  
**Applicant Signature**

\_\_\_\_\_  
**Date**

**Submit Form and Location Plan 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  
drainage@hardincountyia.gov

*For Office Use Only*

**Application Approval:**

**By:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
*Board of Supervisor Chairman, Acting as Drainage District Trustee*

**APPROVED PERMIT #:** 2018-14

Application in TCM  
 GIS Annotation  
 Approval Emailed



# Hardin County Drainage

Drainage Districts \DD 55-3 (51085)\DD 55-3 Lat 9(51244)  
WO00000134

# Work Order Detail Summary

**Begin Date:** 3/15/2016

**Status:** Open - Open

**Description:** DD 55-3 Lat 9 - Scott wants to create a pond in the open waterway that runs through his property (Parcel A). He would do this by building a dam to the open waterway. Scott can meet out there to discuss if needed.

**Requested By:** Scott Thompson

**Email:** sthompson@countrylandscapes.com

**Phone:** (319) 269-0076

**Landowner:**

**GIS #:** 86-22-01-300-006

**Sec-Twp-Rge:** 01-86-22 SW

### Expenses:

Date	ExpenseCode	Vendor	Description	Amount
5/6/2016	Legal	Craig, Smith & Cutler, LLP	LEGAL ADVICE	\$43.75
11/17/2017	Engineering	Clapsaddle-Garber Assoc	WTD 10/1/17	\$521.00
<b>Total:</b>				<b>\$564.75</b>

### Contract/Estimate:

Description	Amount

### Note

- 3/16/16-Tina to check with Mike Smith is BOS able to approve or disapprove since improvement.
- 3/23/16-Lee and Mike both advise against. BOS declined request. Called Scott to inform. Will call Lee if he has questions.
- 1/23/17-Scott is concerned with the amount of erosion happening to the open creek in his property. He would like an impact study done as the new project will likely cause more erosion and issues. Scott will attend 1/25 mtg to discuss.
- 1/25/17-Scott to contact Mike Smith re: legality of converting drg ditch into pond and then to compile a rough draft of plans to present at landowner mtg scheduled for 2/22/17 at 12:15 pm.
- 2/22/17-BOS approve Scott to develop a site plan and design for further review by engineers (Ryken & County) and ot consult with the drg atny to draft a legal agreement with all expenses being paid by Thompson.
- 4/21/17-Scott says project is still a go. Should get permit from Army Corps around Sept time frame.
- 10/10/18-It was stated that activity was occurring at Thompsons location-dirtwork and tree removal.
- 10/26/18-Scott says he has fixed some erosion from Bunte's farm caused by the most recent project (took some soil back to Bunte's). He made a sediment basin and took out a couple trees, which was approved by secondary roads. (Karns is his neighbor.) No further work has been done on the pond as he's been busy with work.

### Notes: