

AGENDA
PUBLIC HEARING ON COMPLETION OF CONTRACT
ON REPAIRS TO MAIN TILE, OUTLET, AND WATERWAY
MAIN TILE OF DRAINAGE DISTRICT 1, HARDIN COUNTY
MARCH 7, 2018 AT 11:00 A.M.

1. Open Meeting
2. Approve Agenda
3. Introductions/Attendance
4. Open Public Hearing
5. Verify Publication
Published in the Eldora Herald Index on February 13, 2018
6. Explanation Of Project
Documents:

DD 1 COMPLETION REPORT 01-2018.PDF
7. Written Or Verbal Comments/Discussion
8. Damage Claims
9. Close Public Hearing
10. Possible Action
Approve Completion of Project
Approve Final Pay Estimate
Approve Damage Claims
11. Other Business
12. Adjourn Meeting



**COMPLETION REPORT
ON REPAIRS TO
MAIN TILE, OUTLET,
AND WATERWAY
MAIN TILE OF
DRAINAGE DISTRICT 1
HARDIN COUNTY, IOWA**

	<p>I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA</p> <p><i>Lee O. Gallentine, P.E.</i> <u>1-23-18</u> LEE O. GALLENTINE, P.E. DATE</p> <p>LICENSE NUMBER: 15745 MY LICENSE RENEWAL DATE IS DECEMBER 31, 2018 PAGES OR SHEETS COVERED BY THIS SEAL: SHOWN ON TABLE OF CONTENTS</p>
--	--



OFFICE LOCATIONS

739 Park Avenue
Ackley, IA. 50601
Phone: 641-847-3273
Fax: 641-847-2303

103 East State Street, Ste 430
Mason City, IA 50401
Phone: 641-423-1451
Fax: 641-423-1659

511 Bank Street
Webster City, IA 50595
Phone: 515-832-1876
Fax: 515-832-1932

**Completion Report on Repairs to
Main Tile, Outlet, and Waterway Main Tile
of Drainage District No. 1
Hardin County, Iowa**

Table of Contents	Pg. 1
Report	
Project Timeline	Pg. 2
Project Deviations	Pg. 3
Final Project Costs	Pg. 4
Pending Items	Pg. 4
Appendices	
As-Built Plans	App. A
Final Pay Estimate	App. B
Lien Waivers	App. C

**Completion Report on Repairs to
Main Tile, Outlet, and Waterway Main Tile
of Drainage District No. 1
Hardin County, Iowa**

PROJECT TIMELINE: The Hardin County Board of Supervisors, acting as District Trustees, requested Ryken Engineering to investigate and report concerning repairs and improvements of the existing main tile of Drainage District No. 1. As a result, Ryken Engineering generated an Engineer's Report dated August 9th, 2016 summarizing past improvements and repairs, investigating the necessity and feasibility of repairs to the existing main tile, and presenting opinion of construction costs associated with said repairs. A hearing concerning said report was conducted. As a result of the hearing, the Trustees authorized Ryken Engineering to proceed with completion of project plans and specifications for said repairs and proceed with a bid letting.

Ryken Engineering completed the authorized plans and specifications and a bid letting date of March 29, 2017 was set. The project was advertised and bids were received from qualified contractors. The following bids for polypropylene tile were received:

- | | |
|--|--------------------|
| 1. McDowell and Sons Contractors, Inc. of Iowa Falls, Iowa | Bid = \$121,380.50 |
| 2. Gehrke, Inc. of Eldora, Iowa | Bid = \$149,749.00 |

The District Trustees identified Gehrke, Inc. as the lowest responsible bidder for the repair to district facilities and awarded the project. The contract was signed on April 27, 2017. Construction activities were started on September 12, 2017. Weather and working conditions for this type of construction were favorable and the contractor worked until the main tile was repaired and the only work remaining was site cleanup and repair of the farmer's fence. This was achieved November 10, 2017 (approximately 2 weeks before the November 30, 2017 contract completion date).

PROJECT DEVIATIONS: - This project followed the authorized plans and specifications fairly well with only the following deviations (for reference, see as-built plans included in Appendix A):

1. During construction it was discovered that galvanized CMP was used at the main tile outlet instead of aluminized CMP as specified in the plans and specifications. This resulted in a decrease of \$200.
2. During construction, it was discovered that more spot repairs (polypropylene tile and concrete collars) needed be performed and an intake removed and replaced. This resulted in an increase of \$18,073.75
3. During construction, additional lengths of existing tile were removed in order to perform the additional spot repairs. This resulted in an increase of \$905.
4. During construction, additional private tile connections were encountered during spot repairs than planned. This resulted in an increase of \$600.
5. A reduced amount of CCTV was performed. This resulted in a decrease of \$20.
6. During construction, it was determined that traffic control was not needed as no repairs were performed in road right of way. This resulted in a decrease of \$500.
7. During construction, it was determined that the open ditch construction and seeding were extended 100' upstream to allow for a smoother transition with the existing ground. This resulted in an increase of \$4,100.
8. During construction, it was determined that the waterway cleanout and seeding were extended 100' to allow for a smoother transition with the existing ground. This resulted in an increase of \$1,195.

FINAL PROJECT COSTS: - The final project costs for construction (for reference, see final pay estimate included in Appendix B) and engineering (not including repair report) are estimated at \$206,938.80 which is approximately \$57,000 above those presented at the above mentioned hearing. These costs may vary depending upon any damage claims brought forth at the completion hearing. Pending no claims, the costs are as detailed below:

Project Bid by Contractor	\$ 149,749.00
Change in CMP coating (Item #1 above)	-\$ 200.00
Increased Bid Quantities (Item #2 above)	+\$ 18,073.75
Increased Material Removal (Item #3 above)	+\$ 905.00
Increased Private Tile Connections (Item #4 above)	+\$ 600.00
Reduced CCTV Inspection (Item #5 above)	- \$ 20.00
Removed Traffic Control (Item #6 above)	- \$ 500.00
Increased Open Ditch Work (Item #7 above)	+\$ 4,100.00
Increased Waterway Work (Item #8 above)	+\$ 1,195.00
<u>Engineering</u>	<u>+\$ 33,036.05</u>
TOTAL PROJECT COST	\$ 206,938.80

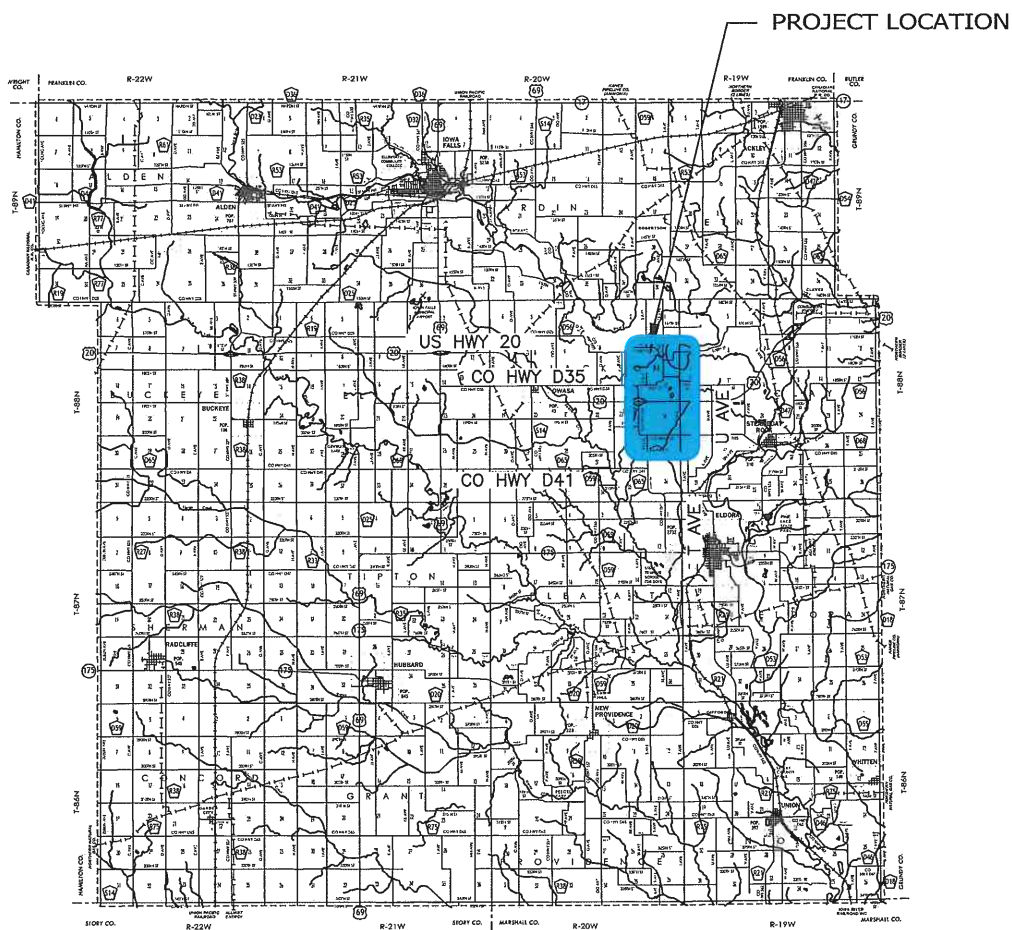
The total cost is above those contained in the above mentioned Engineer’s Report. However, it should be noted that the amount of repair also exceeded that presented at the above mentioned hearing. It should be noted that the above costs do not include any administrative costs, legal costs, interest on construction warrants, or damage claims.

PENDING ITEMS: - As of the writing of this report, this project is complete (including punchlist items) in general accordance with the authorized plans and specifications and lien waivers for suppliers and subcontractors have been submitted by the general contractor (for reference see Appendix C). After the completion hearing, final payment needs to be authorized by the Trustees is shown on the final pay estimate. It is my recommendation that the project be accepted. I also recommend that the entire project be walked and reviewed just prior to the expiration of the contract warranty period for any warranty items that may need to be remedied by the contractor. It should be noted that if the Trustees decide to exercise this recommendation, there are no engineering fees included in the above Final Project Costs to cover this service.

MAIN TILE, OUTLET, AND WATERWAY REPAIRS DRAINAGE DISTRICT 1 HARDIN COUNTY, IOWA 2017 AS BUILT



CALL BEFORE YOU DIG!
1-800-292-8989
www.iowaonecall.com



HARDIN COUNTY,
IOWA VICINITY MAP
NOT TO SCALE

NOTES:

1. THE PLANS AND SPECIFICATIONS PREPARED BY RYKEN ENGINEERING SHALL GOVERN. ALL WORK SHALL COMPLY WITH THE DETAILS AND SPECIFICATIONS REFERENCED.
2. ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON 2016 SURVEY. FOR CONVERSION TO OTHER PROJECT DATUMS, SEE "BENCHMARKS" ON PAGE 2.



SHEET INDEX

SHEET NUMBER	SHEET TITLE
1	COVER
2	LEGEND NOTES ABBREVIATIONS VISUAL INDEX BENCHMARKS
3	MAIN OPEN DITCH PLAN
4	MAIN OPEN DITCH PROFILE
5	HEADWALL PLAN
6	WATERWAY PLAN & PROFILE
7	MAIN TILE SPOT REPAIRS - PLAN & PROFILE
8	DETAILS - SPOT REPAIRS
9	DETAILS - SHEET PILE HEADWALL
10	DETAILS - SHEET PILE HEADWALL
11	TYPICAL SECTIONS
WATERWAY CROSS SECTIONS	
12	DD 1 WATERWAY STA 48+00 - 51+00
13	DD 1 WATERWAY STA 52+00 - 55+00
14	DD 1 WATERWAY STA 56+00 - 59+00
15	DD 1 WATERWAY STA 60+00 - 63+00
16	DD 1 WATERWAY STA 64+00 - 67+00
17	DD 1 WATERWAY STA 68+00
MAIN OPEN DITCH CROSS SECTIONS	
18	MAIN OPEN DITCH STA 83+00 - 83+50
19	MAIN OPEN DITCH STA 84+00 - 84+50
20	MAIN OPEN DITCH STA 85+00 - 85+50
21	MAIN OPEN DITCH STA 86+00 - 86+50
22	MAIN OPEN DITCH STA 87+00 - 87+50
23	MAIN OPEN DITCH STA 88+00 - 88+50
24	MAIN OPEN DITCH STA 89+00

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

Lee O. Gallentine, PE 1-22-18
LEE O. GALLENTE, P.E. DATE

P.E. LICENSE NUMBER: 15745
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2018
PAGES OR SHEETS COVERED BY THIS SEAL: 1, 4, 6, 7, 9, and 10

DRAWN BY: ZJS APPROVED BY: LOG REVISIONS:
DATE: 01/20/2017 PROJ. NO.: 6749
FIELD BK:
P:\6749\CADD\CDS\AS BUILT\6749-COVERASBUILT.DWG; 1/8/2018

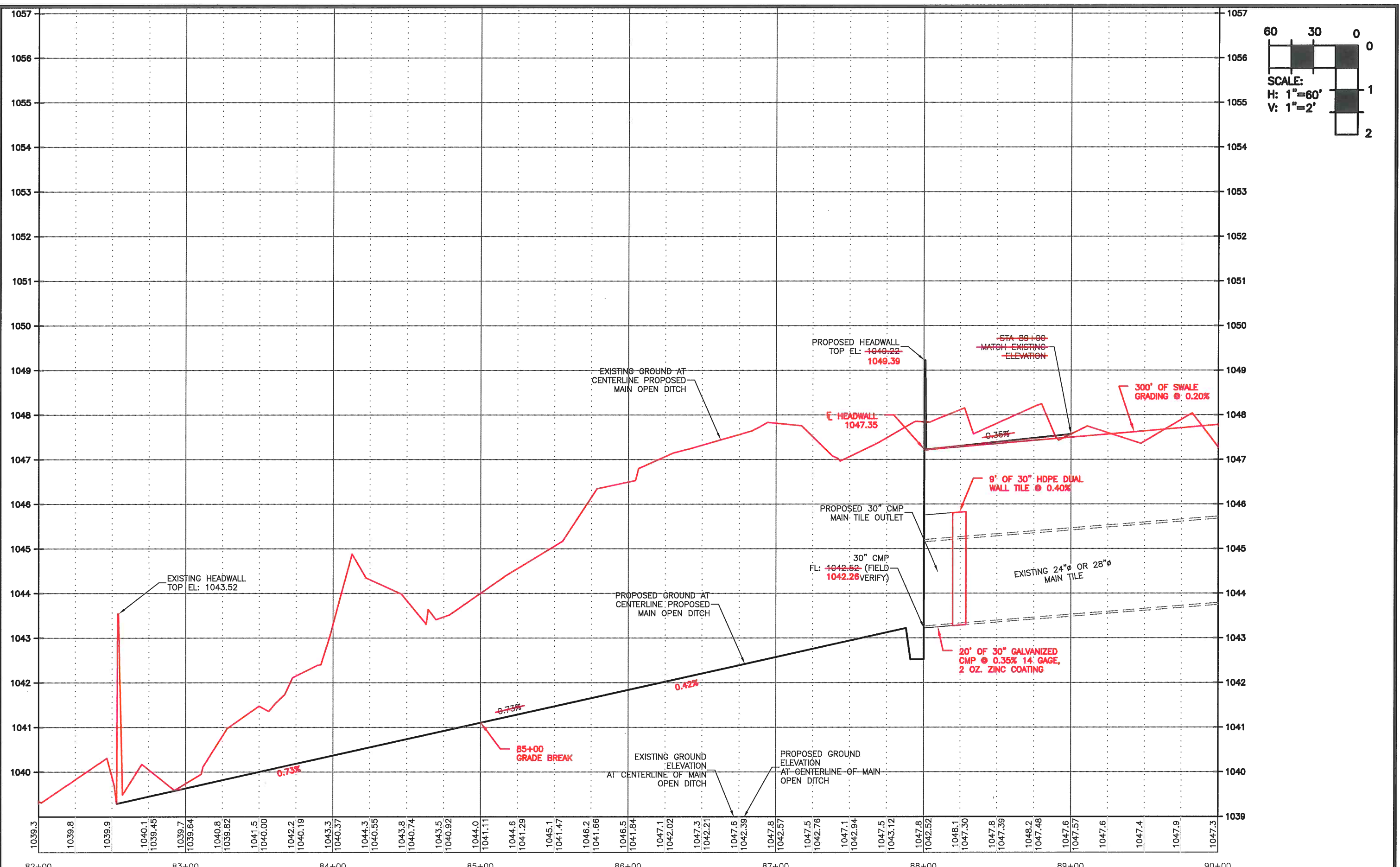
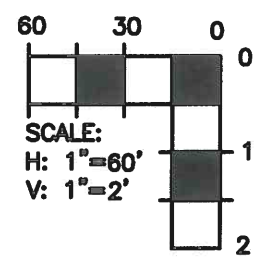


ADDRESS:
739 PARK AVENUE
ACKLEY, IOWA 50601
PH 641-847-3273 FAX 641-847-2303

PROJECT:
MAIN TILE, OUTLET, AND WATERWAY REPAIRS DD 1
HARDIN COUNTY, IOWA
2017

SHT. NAME:
AS BUILT COVER SHEET

SHT. NO.:
1 OF 24



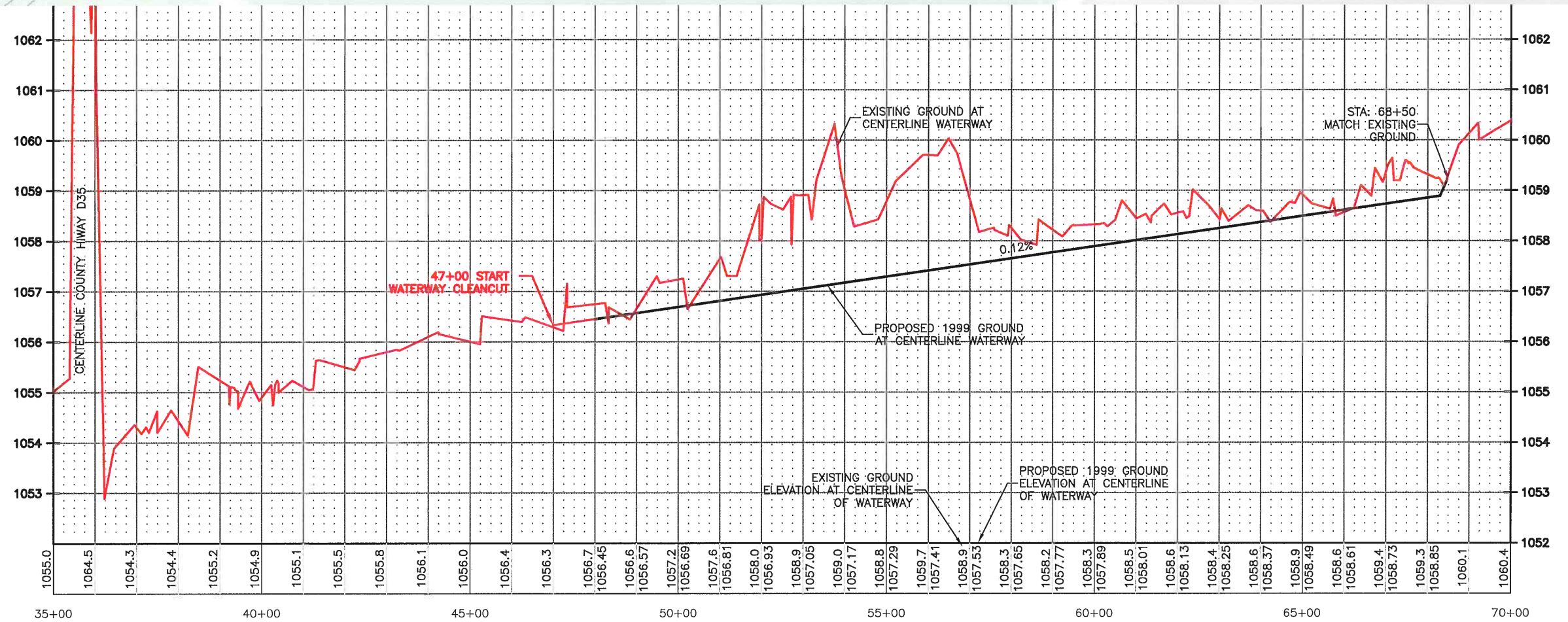
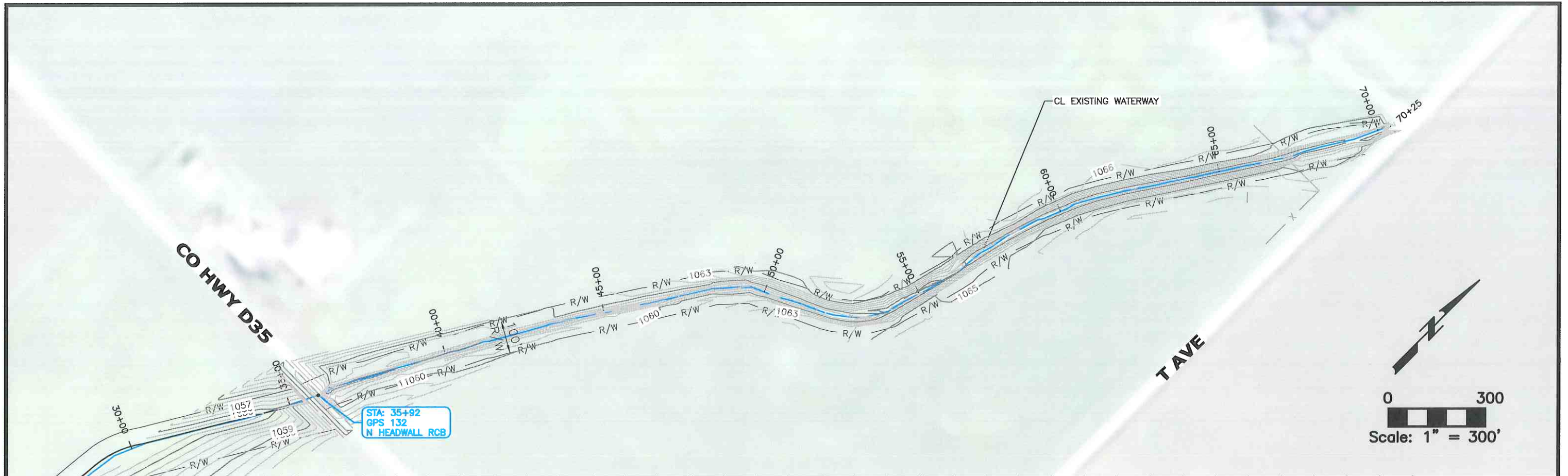
DRAWN BY: MAH	APPROVED BY: LOG	REVISIONS:
DATE: 10-21-13	PROJ. NO.: 6749	
FIELD BK:		
P:\6749\CADD\CDS\AS BUILT\6749_EXCON ASBUILT.DWG; 1/4/2018		

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:
MAIN TILE, OUTLET, AND WATERWAY REPAIRS DD 1
HARDIN COUNTY, IOWA
2017

SHT. NAME:
AS BUILT MAIN OPEN DITCH PROFILE



DRAWN BY: MAH	APPROVED BY: LOG	REVISIONS:
DATE: 10-21-13	PROJ. NO.: 6749	
FIELD BK:		
P:\6749\CADD\CDS\AS BUILT\6749_EXCON ASBUILT.DWG; 1/8/2018		

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

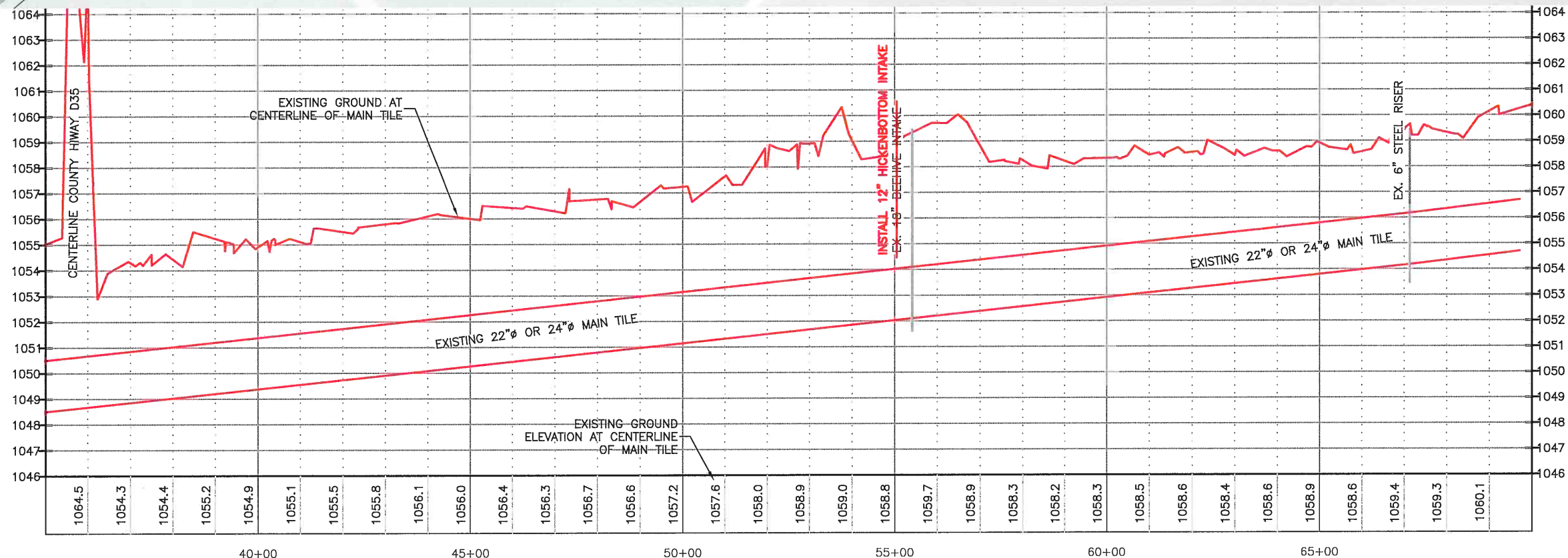
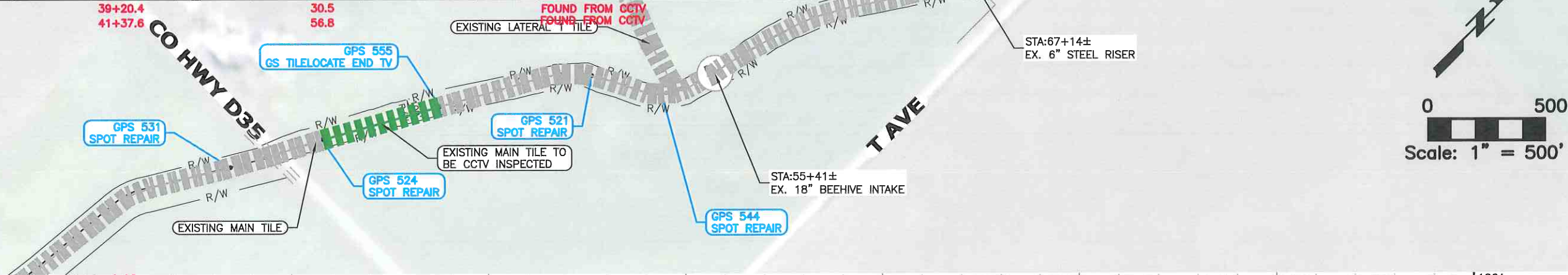
PROJECT:
MAIN TILE, OUTLET, AND WATERWAY REPAIRS DD 1
HARDIN COUNTY, IOWA
2017

SHT. NAME:
AS BUILT WATERWAY PLAN & PROFILE

REPLACEMENT SCHEDULE

Center of Repair Location	Direction	Start of Repair Location	Direction	End of Repair Location	Direction	Reference Point	Length of Pipe (ft)	Existing Main Size (in) (field verify)	Main Size (in)	Reason for Replacement
197	DOWNSTREAM	192	DOWNSTREAM	202	DOWNSTREAM	GPS 524	10	22" OR 24"	24"	Partially collapsed VCP tile in D 35 right of way.
244	DOWNSTREAM	239	DOWNSTREAM	249	DOWNSTREAM	GPS 524	10	22" OR 24"	24"	Partially collapsed VCP tile and tile connection in D 35 right of way.
33	UPSTREAM	33+89.7	DOWNSTREAM	34+02.6	DOWNSTREAM	GPS 531	12.9	22" OR 24"	24"	Partially collapsed VCP tile.
464	DOWNSTREAM	33+24.9	DOWNSTREAM	33+37.5	DOWNSTREAM	GPS 524	12.7	22" OR 24"	24"	Partially collapsed VCP tile.
822	DOWNSTREAM	29+74.9	DOWNSTREAM	29+96.2	DOWNSTREAM	GPS 524	21.4	22" OR 24"	24"	Partially collapsed VCP tile.
946	DOWNSTREAM	28+42.2	DOWNSTREAM	28+80.5	DOWNSTREAM	GPS 524	18.3	22" OR 24"	24"	Partially collapsed VCP tile.
96	UPSTREAM	49+74.5	DOWNSTREAM	49+83.6	DOWNSTREAM	GPS 521	9.1	22" OR 24"	24"	Partially collapsed VCP tile.
470	DOWNSTREAM	47+94.8	DOWNSTREAM	48+30.5	DOWNSTREAM	GPS 544	35.8	22" OR 24"	24"	Partially collapsed VCP tile.
934	DOWNSTREAM	42+47.0	DOWNSTREAM	43+93.5	DOWNSTREAM	GPS 544	146.6	22" OR 24"	24"	Partially collapsed VCP tile and tile connection.
30	UPSTREAM	67+37.6	UPSTREAM	67+53.8	UPSTREAM	GPS 469	16.2	22" OR 24"	24"	Partially collapsed VCP tile.
150	DOWNSTREAM	65+31.2	DOWNSTREAM	65+83.5	DOWNSTREAM	GPS 468	52.3	22" OR 24"	24"	Partially collapsed VCP tile.
275	DOWNSTREAM	64+04.5	DOWNSTREAM	64+76.9	DOWNSTREAM	GPS 468	72.4	22" OR 24"	24"	Partially collapsed VCP tile.
370	DOWNSTREAM	63+18.8	DOWNSTREAM	63+52.0	DOWNSTREAM	GPS 468	33.3	22" OR 24"	24"	Partially collapsed VCP tile.
540	DOWNSTREAM	61+67.4	DOWNSTREAM	62+45.8	DOWNSTREAM	GPS 468	78.4	22" OR 24"	24"	Partially collapsed VCP tile.
945	DOWNSTREAM	57+56.0	DOWNSTREAM	57+79.3	DOWNSTREAM	GPS 468	23.4	22" OR 24"	24"	Partially collapsed VCP tile.
1025	DOWNSTREAM	56+78.9	DOWNSTREAM	56+94.1	DOWNSTREAM	GPS 468	15.2	22" OR 24"	24"	Partially collapsed VCP tile.
1150	DOWNSTREAM	55+32.4	DOWNSTREAM	56+01.8	DOWNSTREAM	GPS 468	69.4	22" OR 24"	24"	Partially collapsed VCP tile and 2 tile connections.
1225	DOWNSTREAM	54+85.3	DOWNSTREAM	54+95.4	DOWNSTREAM	GPS 468	10.0	22" OR 24"	24"	Partially collapsed VCP tile.
1305	DOWNSTREAM	54+02.9	DOWNSTREAM	54+15.6	DOWNSTREAM	GPS 468	12.7	22" OR 24"	24"	Partially collapsed VCP tile.
0	UPSTREAM	38+41.7	DOWNSTREAM	38+54.6	DOWNSTREAM	GPS 555	12.9	22" OR 24"	24"	Rock in VCP tile & partially collapsed VCP tile.

STA.	TEE TYPE AND SIDE	PRIVATE TILE MATERIAL
55+37.7	12" TAP TEE LT.	12" PE TILE
55+76	6" INSERTA TEE RT.	4" PE TILE
61+88.8	8" SADDLE TAP RT.	7" CLAY TILE
43+13.5	6" INSERTA TEE LT.	6" CLAY TILE
43+38.9	8" INSERTA TEE LT.	7" CLAY TILE
43+73.5	6" INSERTA TEE RT.	4" PE TILE



DRAWN BY: MAH
 DATE: 10-21-13
 FIELD EIC: -
 P:\6749\CADD\CDS\AS BUILT\6749_EXCON ASBUILT.DWG; 1/8/2018

APPROVED BY: LOG
 PROJ. NO.: 6749
 REVISIONS:

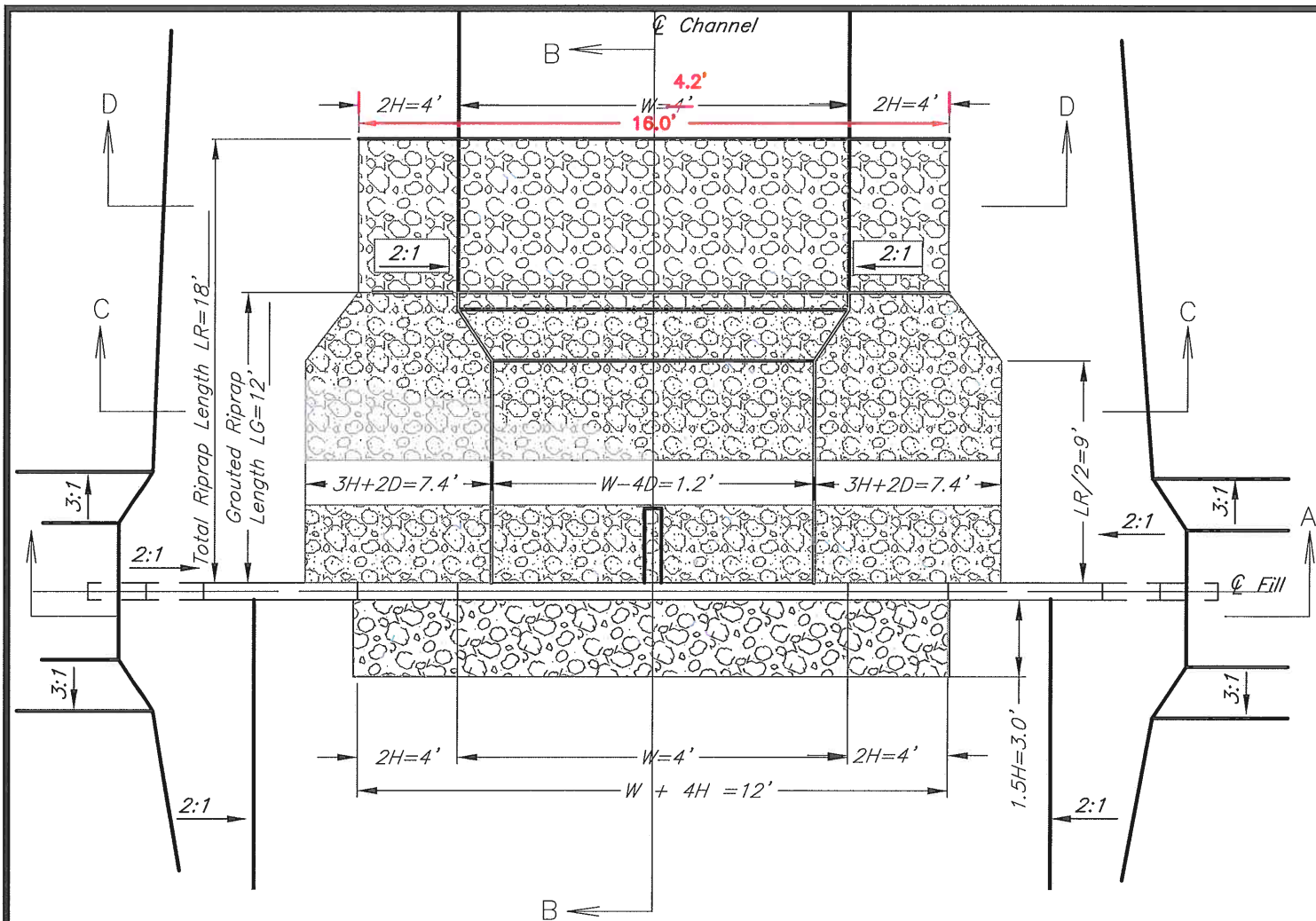
RYKEN
 ENGINEERING & LAND SURVEYING, INC.
 ACKLEY, MASON CITY & WEBSTER CITY, IOWA

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

PROJECT:
 MAIN TILE, OUTLET, AND WATERWAY REPAIRS DD 1
 HARDIN COUNTY, IOWA
 2017

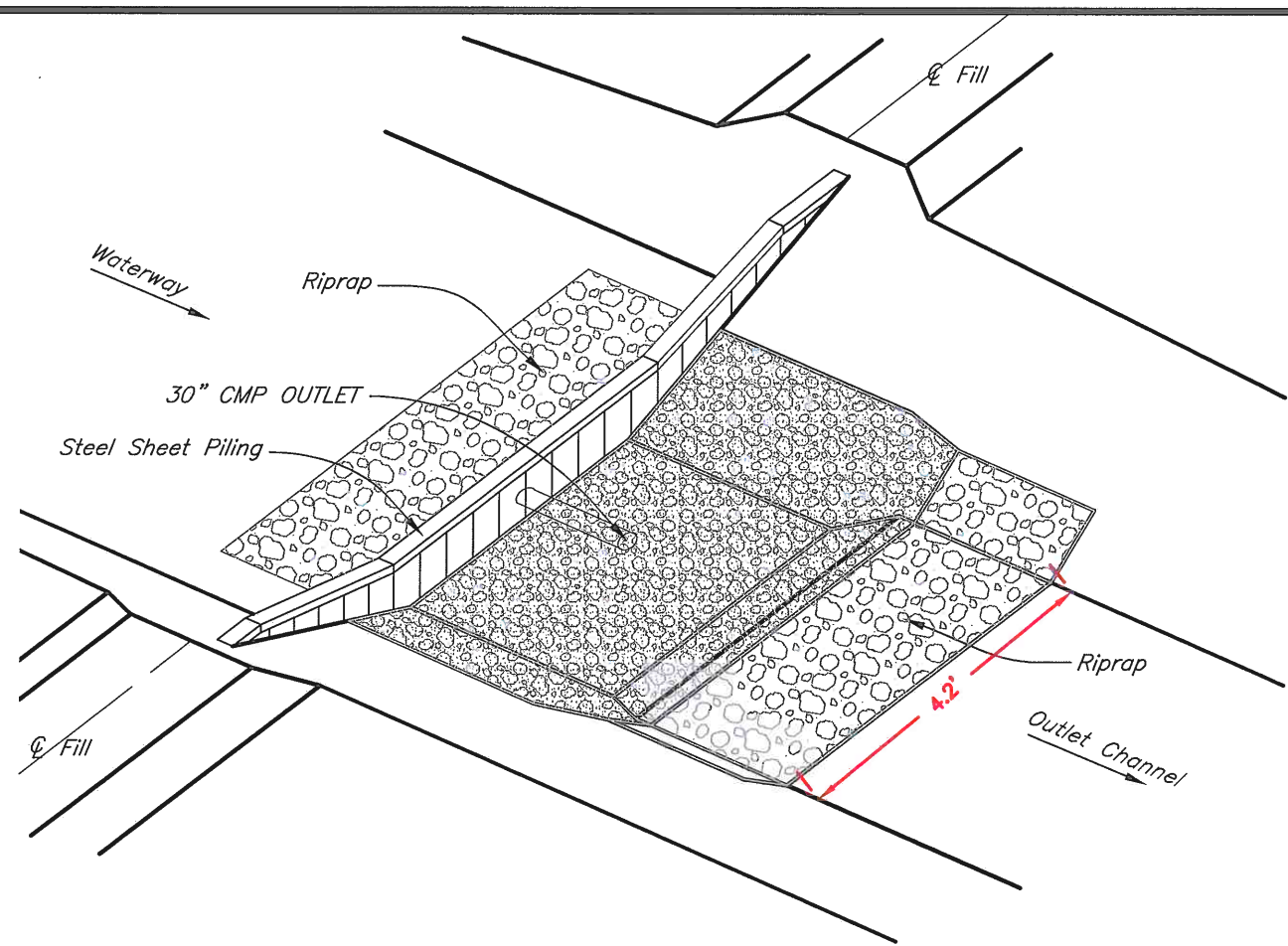
SHEET NAME:
 AS BUILT
 MAIN TILE SPOT REPAIRS - PLAN & PROFILE

SHEET NO.:
 7 OF 24

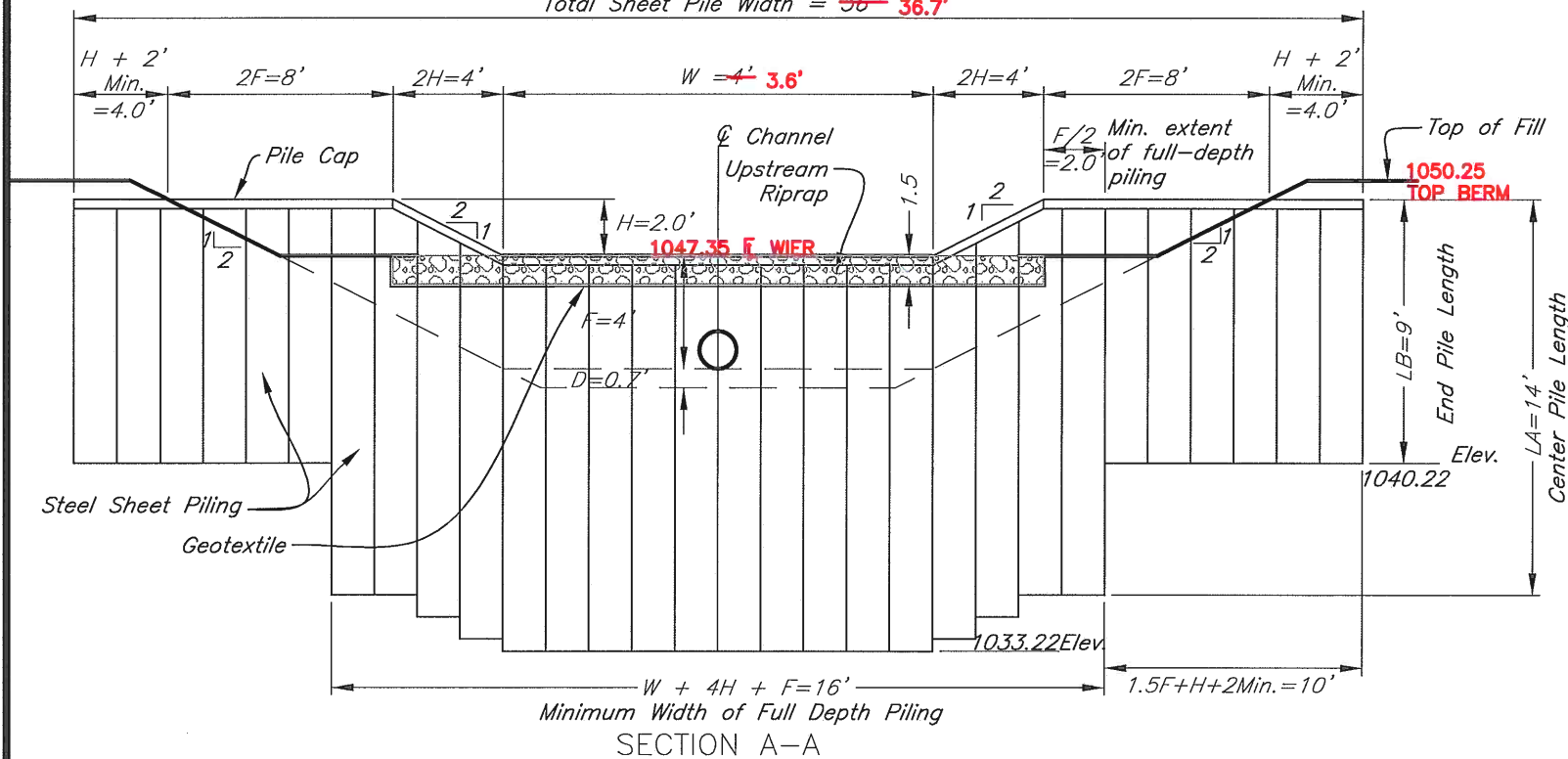


PLAN VIEW

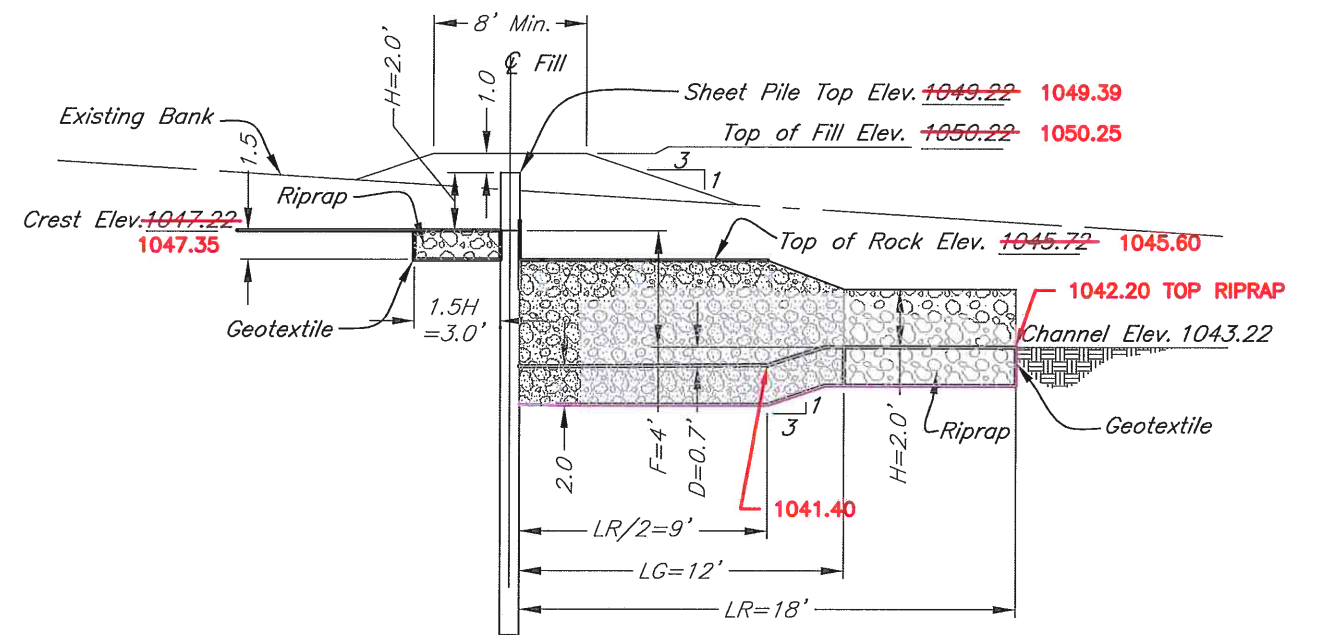
Total Sheet Pile Width = ~~36'~~ 36.7'



ISOMETRIC VIEW



SECTION A-A



SECTION B-B

DRAWN BY: ZJS	APPROVED BY: LOG	REVISIONS:
DATE: 01/20/2017	PROJ. NO.: 6749	
FIELD BK: P:\6749\CADD\CDS\AS BUILT\6749 - DETAILS - HEADWALL ASBUILT.DWG; 1/4/2018		



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

PROJECT:
MAIN TILE, OUTLET, AND WATERWAY REPAIRS DD 1
HARDIN COUNTY, IOWA
2017

SHT. NAME: AS BUILT DETAILS - SHEET PILE HEADWALL	SHT. NO.: 9 of 24
--	----------------------

SHEET PILE REQUIREMENTS -- MINIMUM VALUES

Drop	Basin Depth	Full-Depth Pile Length	Side Pile Length	Pile Thickness	Section Modulus	Moment of Inertia
F, ft	D, ft	LA, ft	LB, ft	t, inches	S, in ³ /ft	I, in ⁴ /ft
2	0.3	7.0	5.0	0.209	0.5	0.9
3	0.5	10.0	7.0	0.209	0.5	0.9
4	0.7	14.0	9.0	0.209	2.0	3.3
5	0.8	17.0	11.0	0.250	1.1	0.1
6	1.0	22.0	14.0	0.250	0.2	26.1

STRUCTURE DIMENSIONS

Fall = F =	4 5.2	ft
Weir Notch Height = H =	2	ft
Weir Crest, Channel Width = W =	4 4.2	ft
Center Sheet Pile Length = LA =	14	ft
Side Sheet Pile Length = LB =	9	ft
DS Riprap Length = LR =	18 19.5	ft
Grouted Riprap Length = LG =	12 12.8	ft
Riprap Basin Depth = D =	0.7 0.8	ft
Est. tailwater at design storm = TW =	2.6	ft

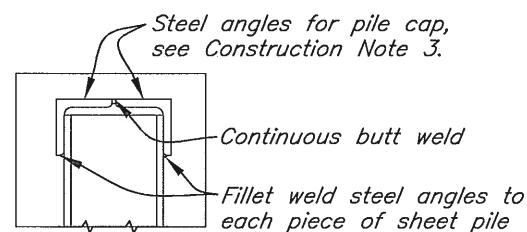
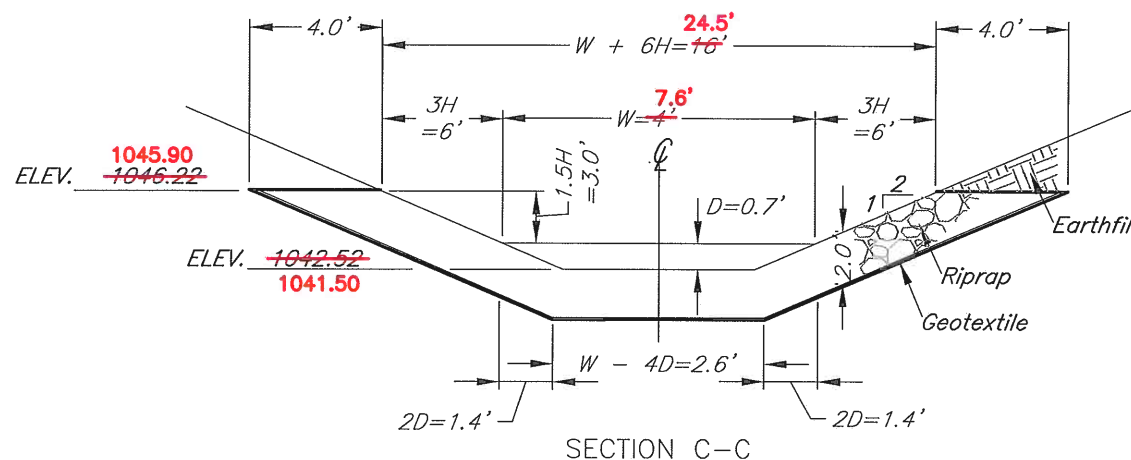
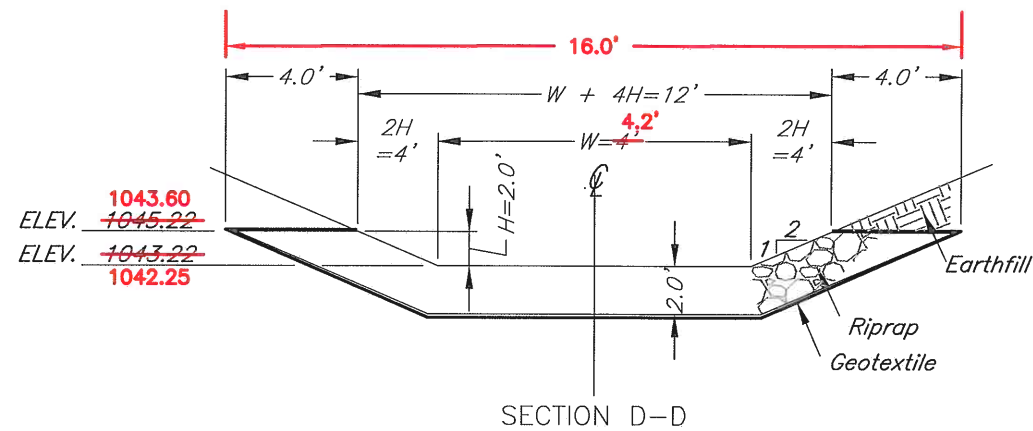
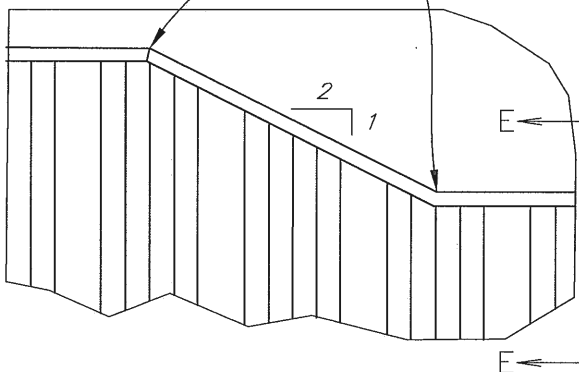
DOWNSIDE RIPRAP AND GROUT REQUIREMENTS

Drop	Total Riprap Length	Grouted Length
F, ft	LR, ft	LG, ft
2	10	0
3	13	0
4	18	12
5	22	15
6	26	18

QUANTITY SUMMARY

Materials	Quantity	Units
Full depth Sheet Piles, <u>14</u> ft long	224	Sq. Ft.
Side Sheet Piles, <u>9</u> ft long	180	Sq. Ft.
Angle Iron for pile cap	37	Lin. Ft.
Riprap	7.5	Cu. Yd.
Grouted Riprap	14	Cu. Yd.
Geotextile	33	Sq. Yd.

Miter cut and weld pile cap at trapezoidal weir corners



SECTION E-E

NOTES

CONSTRUCTION:

1. All riprap shall be IDOT Class E.
2. Top of sheet pile shall be trimmed as needed to obtain elevations indicated and to remove any damage caused by driving.
3. Shop drawings shall be provided for proposed construction of pile cap.

DRAWN BY: ZJS	APPROVED BY: LOG	REVISIONS:
DATE: 01/20/2017	PROJ. NO.: 6749	
FIELD BK:		

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:
MAIN TILE, OUTLET, AND WATERWAY REPAIRS DD 1
HARDIN COUNTY, IOWA
2017

SHT. NAME:
AS BUILT DETAILS - SHEET PILE HEADWALL

SHT. NO.:
10 of 24

PAY ESTIMATE NO. 3 (FINAL)
MAIN TILE, OUTLET, AND WATERWAY
DRAINAGE DISTRICT 1
(PROJECT 6749 AND 6749.1)
DATE: January 8, 2018

CONTRACTOR

Gehrke Inc.
 1405 21st Ave.
 PO Box 228
 Eldora, IA 50627

OWNER

Trustees of Drainage District #1
 Hardin County Courthouse
 1215 Edgington Ave., Suite 1
 Eldora, Iowa 50627


ENGINEER

Ryken Engineering
 739 Park Avenue
 Ackley, Iowa 50601

MAIN BID

Item No.	Description	Estimated Quantity	Unit	Installed Quantity	Unit Price	Extended Price
1*	24" Ø Polypropylene Tile	741	LF	741	\$ 86.25	\$ 63,911.25
2*	Type PC-2 Concrete Collar	43	EA	43	\$ 300.00	\$ 12,900.00
3*	Private Tile Connection	6	EA	6	\$ 300.00	\$ 1,800.00
4*	Tile Removal	1391	LF	1391	\$ 5.00	\$ 6,955.00
5^	30" Ø CMP Tile	20	LF	20	\$ 65.00	\$ 1,300.00
6	Sheet Pile Headwall	404	SF	404	\$ 41.00	\$ 16,564.00
7	Riprap	7.5	CY	7.5	\$ 70.00	\$ 525.00
8	Grouted Riprap	14	CY	14	\$ 165.00	\$ 2,310.00
9*	Open Ditch Construction and	8.5	STA	8.5	\$ 1,800.00	\$ 15,300.00
10*	Open Ditch Seeding	8.5	STA	8.5	\$ 250.00	\$ 2,125.00
11*	Waterway Cleanout	21.5	STA	21.5	\$ 1,025.00	\$ 22,037.50
12*	Waterway Seeding	21.5	STA	21.5	\$ 170.00	\$ 3,655.00
13	Seeding Warranty	1	LS	1	\$ 2,500.00	\$ 2,500.00
14*	Traffic Control	0	LS	0	\$ 500.00	\$ -
15*	CCTV Existing Tile	510	LF	510	\$ 2.00	\$ 1,020.00
16	Tree Removal	1	LS	1	\$ 20,000.00	\$ 20,000.00
17*	12" Hickenbottom Intake	1	EA	1	\$ 1,000.00	\$ 1,000.00

I have reviewed the work claimed to be completed by the Contractor as reflected above and recommend payment of **\$ 17,390.27** to the Contractor.


 Lee Gallentine, Project Engineer

TOTAL WORK COMPLETED TO DATE	\$ 173,902.75
10% RETENTION	\$ -
AMOUNT DUE LESS RETENTION	\$ 173,902.75
PREVIOUSLY PAID	\$ 156,512.48
AMOUNT DUE AT THIS TIME	\$ 17,390.27

^ - Approved as part of Change Order #1

* - Approved as part of Change Order #2



WAIVER OF LIEN

State of Iowa

Date: 11/29/17

Quick Supply,

I/We, the undersigned, have been employed by Gehrke Inc. P.O. Box 228, Eldora, Iowa 50627 to furnish labor and/or materials as described below for the construction, repair or reconstruction of the property or improvements to the property known as DD# 1, in Hardin County, State of Iowa.

Description of work or materials provided: Geotextile

Amount \$ 300.00 to date shown above. Final X Partial

For and in consideration of my/our employment to furnish said labor and/or materials. I/We do hereby waive and release any and all my/our rights, or claim of rights, to file and establish a mechanics lien against the above mentioned property, and improvements to the property, given to me/us under the provisions of the statutes and laws of the State of Iowa, relating to mechanic's liens on account of labor or materials, or both furnished, or which may be furnished by me/us for, and on, the above mentioned property and improvements to the same.

Executed at Des Moines, Iowa, this 6th day of December 2017.

Angie Rooney
Signature

Accountant
Title

WAIVER OF LIEN

State of Iowa

Date: 11/29/17

Williams Excavation,

I/We, the undersigned, have been employed by Gehrke Inc. P.O. Box 228, Eldora, Iowa 50627 to furnish labor and/or materials as described below for the construction, repair or reconstruction of the property or improvements to the property known as DD# 1, in Hardin County, State of Iowa.

Description of work or materials provided: CCTV

Amount \$ 850.00 to date shown above. Final X Partial

For and in consideration of my/our employment to furnish said labor and/or materials. I/We do hereby waive and release any and all my/our rights, or claim of rights, to file and establish a mechanics lien against the above mentioned property, and improvements to the property, given to me/us under the provisions of the statutes and laws of the State of Iowa, relating to mechanic's liens on account of labor or materials, or both furnished, or which may be furnished by me/us for, and on, the above mentioned property and improvements to the same.

Executed at Green Belt Bank & Trust, Iowa, this 6th day of December 2017.

Paul C. Will

Signature

OWNER

Title



WAIVER OF LIEN

State of Iowa

Date: 11/29/17

Lakeside Construction,

I/We, the undersigned, have been employed by Gehrke Inc. P.O. Box 228, Eldora, Iowa 50627 to furnish labor and/or materials as described below for the construction, repair or reconstruction of the property or improvements to the property known as DD# 1, in Hardin County, State of Iowa.

Description of work or materials provided: Seeding

Amount \$ 4570.00 to date shown above. Final X Partial

For and in consideration of my/our employment to furnish said labor and/or materials. I/We do hereby waive and release any and all my/our rights, or claim of rights, to file and establish a mechanics lien against the above mentioned property, and improvements to the property, given to me/us under the provisions of the statutes and laws of the State of Iowa, relating to mechanic's liens on account of labor or materials, or both furnished, or which may be furnished by me/us for, and on, the above mentioned property and improvements to the same.

Executed at Forest city, Iowa, this 1 day of Dec 2017.

Greg Hink
Signature

President
Title

WAIVER OF LIEN

State of Iowa

Date: 11/29/17

Midwest Pipe Supply,

I/We, the undersigned, have been employed by Gehrke Inc. P.O. Box 228, Eldora, Iowa 50627 to furnish labor and/or materials as described below for the construction, repair or reconstruction of the property or improvements to the property known as DD# 1, in Hardin County, State of Iowa.

Description of work or materials provided: Pipe & Fittings

Amount \$ 628.00 to date shown above. Final X Partial

For and in consideration of my/our employment to furnish said labor and/or materials. I/We do hereby waive and release any and all my/our rights, or claim of rights, to file and establish a mechanics lien against the above mentioned property, and improvements to the property, given to me/us under the provisions of the statutes and laws of the State of Iowa, relating to mechanic's liens on account of labor or materials, or both furnished, or which may be furnished by me/us for, and on, the above mentioned property and improvements to the same.

Executed at Clear Lake, Iowa, this 1 day of December 2017.

Windy D. Pace
Signature

Secretary/office
Title

WAIVER OF LIEN

State of Iowa

Date: 11/29/17

Gehrke Quarries,

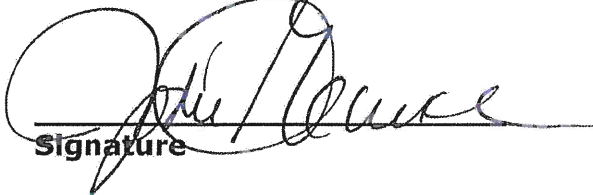
I/We, the undersigned, have been employed by Gehrke Inc. P.O. Box 228, Eldora, Iowa 50627 to furnish labor and/or materials as described below for the construction, repair or reconstruction of the property or improvements to the property known as DD# 1, in Hardin County, State of Iowa.

Description of work or materials provided: Rock

Amount \$ 6588.53 to date shown above. Final X Partial

For and in consideration of my/our employment to furnish said labor and/or materials. I/We do hereby waive and release any and all my/our rights, or claim of rights, to file and establish a mechanics lien against the above mentioned property, and improvements to the property, given to me/us under the provisions of the statutes and laws of the State of Iowa, relating to mechanic's liens on account of labor or materials, or both furnished, or which may be furnished by me/us for, and on, the above mentioned property and improvements to the same.

Executed at Eldora, Iowa, this 29th day of November 2017.


Signature

Secretary
Title

WAIVER OF LIEN

State of Iowa

Date: 11/29/17

Contractor Solutions,

I/We, the undersigned, have been employed by Gehrke Inc. P.O. Box 228, Eldora, Iowa 50627 to furnish labor and/or materials as described below for the construction, repair or reconstruction of the property or improvements to the property known as DD# 1, in Hardin County, State of Iowa.

Description of work or materials provided: Sheeting/Angle Iron

Amount \$ 5275.60 to date shown above. Final X Partial

For and in consideration of my/our employment to furnish said labor and/or materials. I/We do hereby waive and release any and all my/our rights, or claim of rights, to file and establish a mechanics lien against the above mentioned property, and improvements to the property, given to me/us under the provisions of the statutes and laws of the State of Iowa, relating to mechanic's liens on account of labor or materials, or both furnished, or which may be furnished by me/us for, and on, the above mentioned property and improvements to the same.

Executed at Des Moines, Iowa, this 4th day of December 2017.

Godi Denny
Signature

Accounting
Title

WAIVER OF LIEN

State of Iowa

Date: 11/29/17

Concrete Inc.,

I/We, the undersigned, have been employed by Gehrke Inc. P.O. Box 228, Eldora, Iowa 50627 to furnish labor and/or materials as described below for the construction, repair or reconstruction of the property or improvements to the property known as DD# 1, in Hardin County, State of Iowa.

Description of work or materials provided: Concrete

Amount \$ 6051.97 to date shown above. Final X Partial

For and in consideration of my/our employment to furnish said labor and/or materials. I/We do hereby waive and release any and all my/our rights, or claim of rights, to file and establish a mechanics lien against the above mentioned property, and improvements to the property, given to me/us under the provisions of the statutes and laws of the State of Iowa, relating to mechanic's liens on account of labor or materials, or both furnished, or which may be furnished by me/us for, and on, the above mentioned property and improvements to the same.

Executed at Marshalltown, Iowa, this 1st day of Dec 2017.


Signature

Office Mgr.
Title

WAIVER OF LIEN

State of Iowa

Date: 11/29/17

Brown Supply Co.,

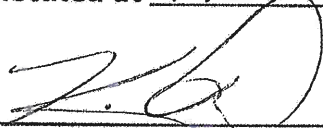
I/We, the undersigned, have been employed by Gehrke Inc. P.O. Box 228, Eldora, Iowa 50627 to furnish labor and/or materials as described below for the construction, repair or reconstruction of the property or improvements to the property known as DD# 1, in Hardin County, State of Iowa.

Description of work or materials provided: Pipe & Fittings


Amount \$ 15,515.82 to date shown above. Final X Partial

For and in consideration of my/our employment to furnish said labor and/or materials. I/We do hereby waive and release any and all my/our rights, or claim of rights, to file and establish a mechanics lien against the above mentioned property, and improvements to the property, given to me/us under the provisions of the statutes and laws of the State of Iowa, relating to mechanic's liens on account of labor or materials, or both furnished, or which may be furnished by me/us for, and on, the above mentioned property and improvements to the same.

Executed at Ames, Iowa, this 26th day of November 2017.



Signature



Title