### **AGENDA**

### PUBLIC HEARING ON COMPLETION OF CONTRACT ON REPAIRS TO MAIN TILE DRAINAGE DISTRICT 122 AND LATERAL 2 TILE DRAINAGE DISTRICT 8, HARDIN COUNTY JUNE 27, 2018 AT 9:00 A.M.

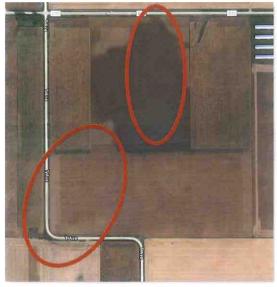
- 1. Open Meeting
- 2. Approve Agenda
- 3. Introductions/Attendance
- 4. Open Public Hearing
- 5. Verify Publication
  Published in the Eldora Herald Index on June 12, 2018.
- 6. Explanation Of Project

Documents:

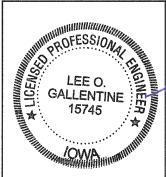
### DD 8 AND 122 COMPLETION REPORT 5-7-2018.PDF

- 7. Written Or Verbal Comments/Discussion
- 8. Damage Claims
- 9. Close Public Hearing
- 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 DRAINAGE DISTRICT NO. 122 AND LATERAL 2 TILE DRAINAGE DISTRICT 8 HARDIN COUNTY, IOWA



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, P.E. DATE DATE

LICENSE NUMBER: 15745 MY LICENSE RENEWAL DATE IS DECEMBER 31, 2018 PAGES OR SHEETS COVERED BY THIS SEAL: SHOWN ON TABLE OF CONTENTS



### **OFFICE LOCATIONS**

739 Park Avenue Ackley, IA. 50601 Phone: 641-847-3273 Fax: 641-847-2303 16 East Main Street Marshalltown, IA 50158 Phone: 641-752-6701 Fax: 641-752-2849 511 Bank Street Webster City, IA 50595 Phone: 515-832-1876 Fax: 515-832-1932

# Completion Report on Repairs to Main Tile Drainage District No. 122 and Lateral 2 Tile Drainage District 8 Hardin County, Iowa

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Final Pay Estimate	App. B
Lien Waivers	App. C

# Completion Report on Repairs to Main Tile Drainage District No. 122 and Lateral 2 Tile Drainage District 8 Hardin County, Iowa

PROJECT TIMELINE: The Hardin County Board of Supervisors, acting as District Trustees, requested Ryken Engineering to investigate and report concerning repairs to the Main tile of Drainage District No. 122 and the Lateral 2 tile of Drainage District No. 8. As a result, Ryken Engineering generated an Engineer's Report dated September 15, 2016 summarizing past improvements and repairs, investigating the necessity and feasibility of repairs to the existing Lateral 2 tile of Drainage District No. 8, 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 the repairs to said Lateral 2 tile. For Drainage District No. 122, a landowner's meeting was held on November 9, 2016 to discuss the results of a drainage investigation on the Main tile. As a result of the meeting, the Trustees authorized Ryken Engineering to find a contractor to proceed with spot repairs to said Main tile. Due to the proximity of the projects, it was decided to combine them both into one project and proceed with a bid letting.

Ryken Engineering completed the authorized plans and specifications and a bid letting date of February 15, 2017 was set. The project was advertised, and bids were received from qualified contractors. The following bids were received:

1.	Cole Excavating of Greene, Iowa	Bid = \$100,022.00
2.	MORTS of Hampton, Iowa	Bid = \$115,693.23
3.	Vieth Construction Corp. of Cedar Falls, Iowa	Bid = \$128,797.00
4.	Farm Tile Pro of Osage, Iowa	Bid = \$130,012.00
5.	Gehrke, Inc. of Eldora, Iowa	Bid = \$142,271.50
6.	Groff Excavating Inc. of Toledo, Iowa	Bid = \$174,318.00
7.	Hennigar Construction of Clarion, Iowa	Bid = \$254,255.00

The District Trustees identified Cole Excavating as the lowest responsible bidder for the repair to district facilities and awarded the project. The contract was signed on March 9, 2017. Construction activities were started on November 9, 2017. Weather and working conditions for this type of construction were favorable and the contractor worked until the Main tile and Lateral 2 tile were repaired and the only work remaining was site cleanup. This was achieved November 21, 2017 (approximately 1 week 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, contractor requested to use polypropylene instead of RCP for the spot repair on the Main tile of Drainage District No. 8. This did not result in any change in price.
- 2. It was anticipated that all Main tile of Drainage District 122 was 12". During construction, it was discovered that part of the Main tile was actually 15" instead of 12". This resulted in an increase of \$3,743.60.
- 3. There were small differences between bid quantities and actual installed quantities in some items. This resulted in a decrease of \$10,733.32.

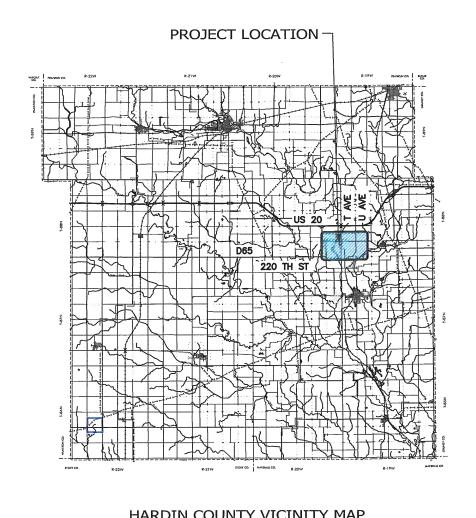
**FINAL PROJECT COSTS:** - The final project costs for construction (for reference, see final pay estimate included in Appendix B) and engineering (not including repair summaries or report) for both districts are estimated at \$114,495.13. Of this, the final project costs for Drainage District No. 8 are estimated at \$79,125.35 approximately \$7,000 below 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:

TOTAL PROJECT COST	<b>\$</b> ?	114,495.13
Engineering	+\$	22,462.85
Decreased Bid Quantities (Item #3 above)	-\$	10,733.32
Difference in tile size (Item #2 above)	+\$	3,743.60
Change in pipe material (Item #1 above)	\$	0.00
Project Bid by Contractor	\$ 1	100,022.00

The total cost for Drainage District No. 8 is below those contained in the above mentioned Engineer's Report. It should be noted that the above costs do not include any administrative costs, legal costs, interest on construction warrants, or damage claims.

<u>PENDING ITEMS:</u> - As of the writing of this report, this project is complete 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). <u>After the completion hearing, final payment needs to be authorized by the Trustees as shown on the final pay estimate</u>. 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.

# REPAIRS TO MAIN TILE DRAINAGE DISTRICT 122 AND LATERAL 2 TILE DRAINAGE DISTRICT 8 HARDIN COUNTY, IOWA 2017 AS BUILT





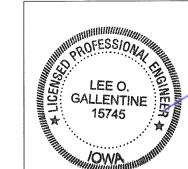
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### OTES:

- 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 9.

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
1	COVER
-2	LEGEND NOTES ABBREVIATIONS VISUAL INDEX
DD 122 MAIN	
3	DD 122 MAIN
DD 8 LAT 2 DEMO	
4	DD 8 LAT 2 DEMO
LATERAL 2 PLAN AN	ID PROFILE
5	STA 0+00 - 3+80
6	STA 3+80 - 8+00
7	STA 8+00 - 11+30
8	STA 11+30 - 14+00
-9-	DETAILS





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.

EE O. GALLENTINE, P.E. DATE DATE

P.E. LICENSE NUMBER: <u>15745</u> MY LICENSE RENEWAL DATE IS DECEMBER 31, 2018 PAGES OR SHEETS COVERED BY THIS SEAL: 1-9

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WN BY:	MAH	APPROVED BY:	LOG	REVISIONS:			
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D BK:	-				EN	GINEERING & LAND SI	URVEYING
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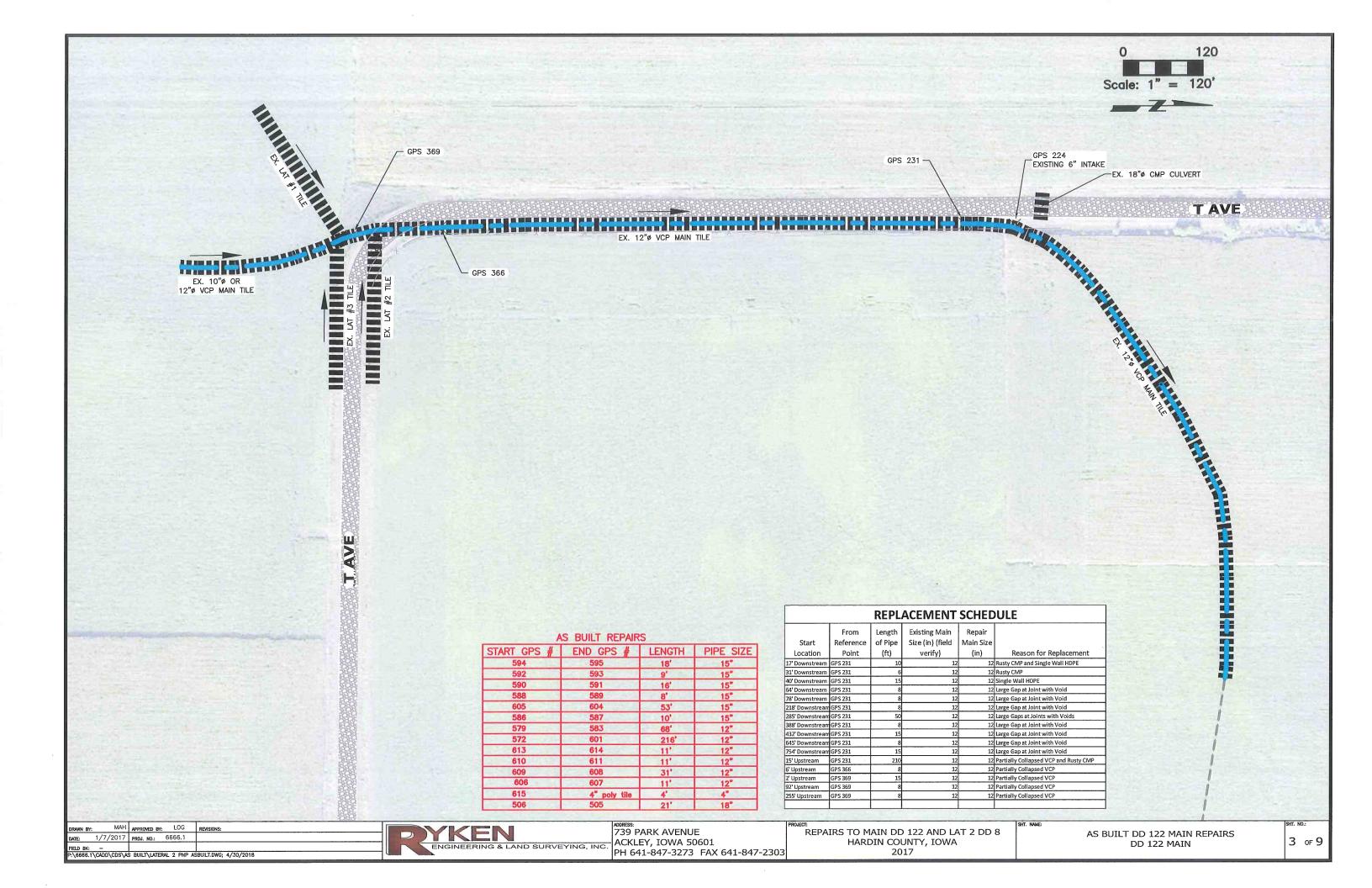
739 PARK AVENUE

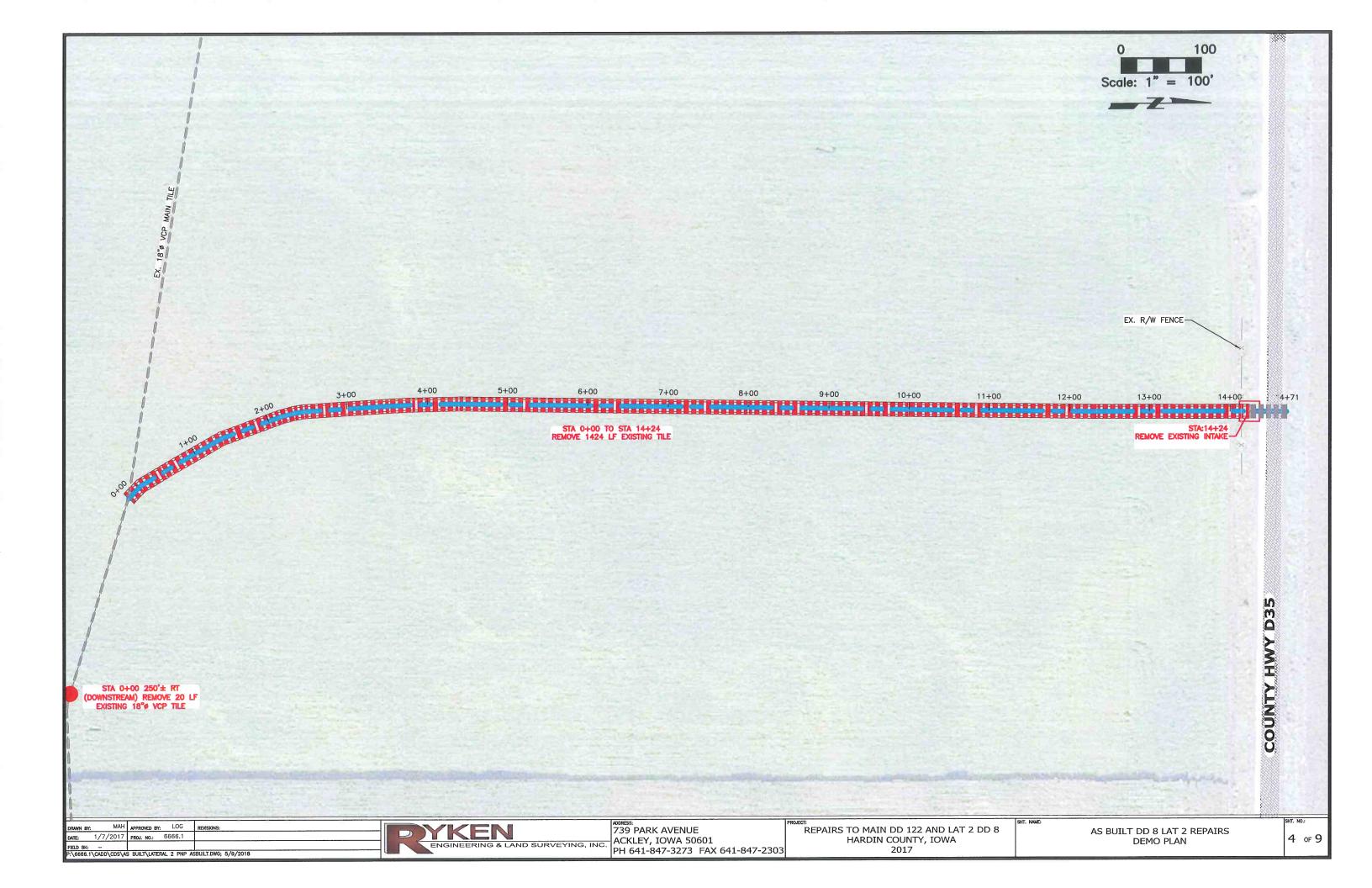
ACKLEY, IOWA 50601
PH 641-847-3273 FAX 641-847-2303

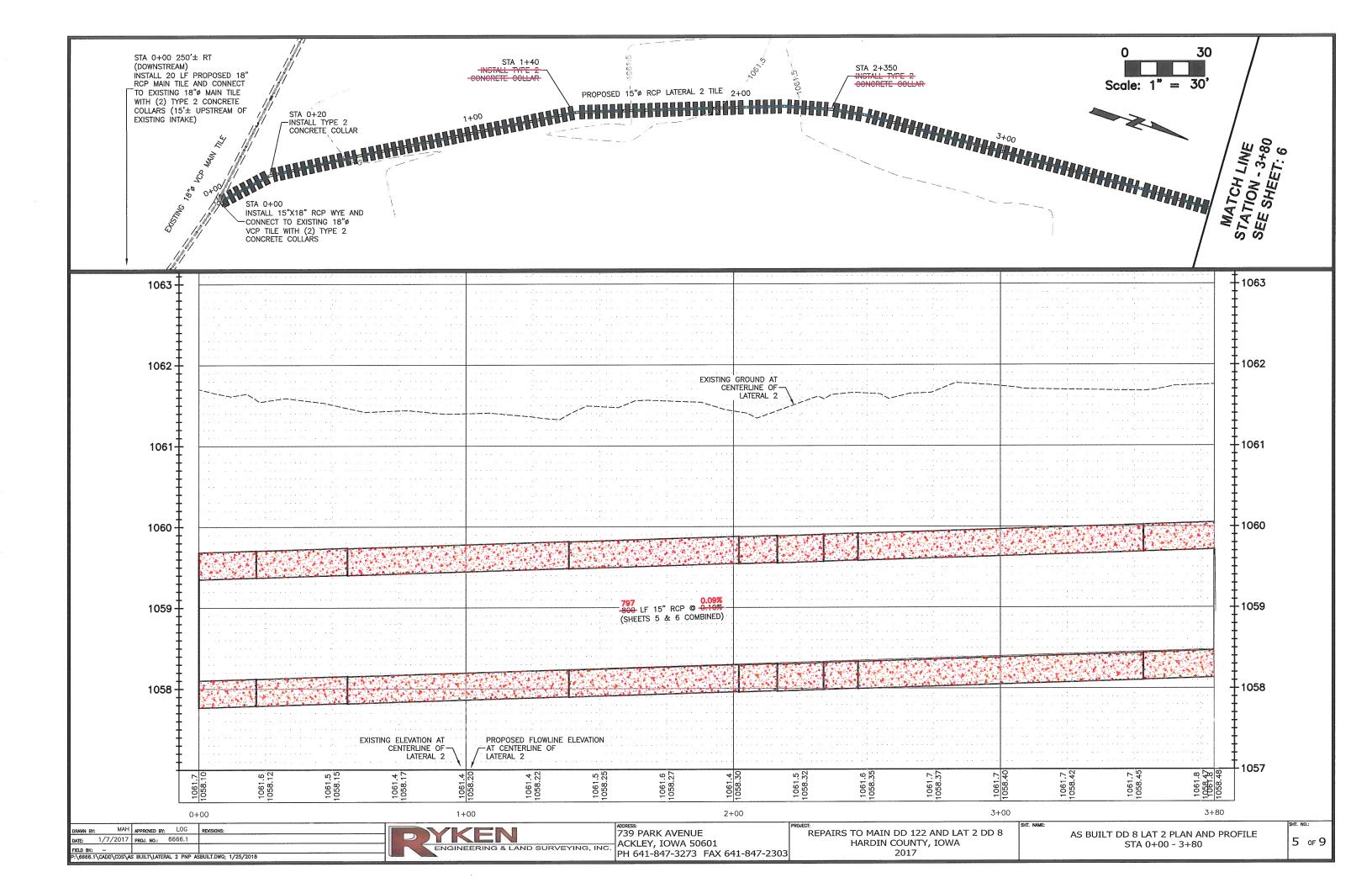
REPAIRS TO MAIN DD 122 AND LAT 2 DD 8
HARDIN COUNTY, IOWA

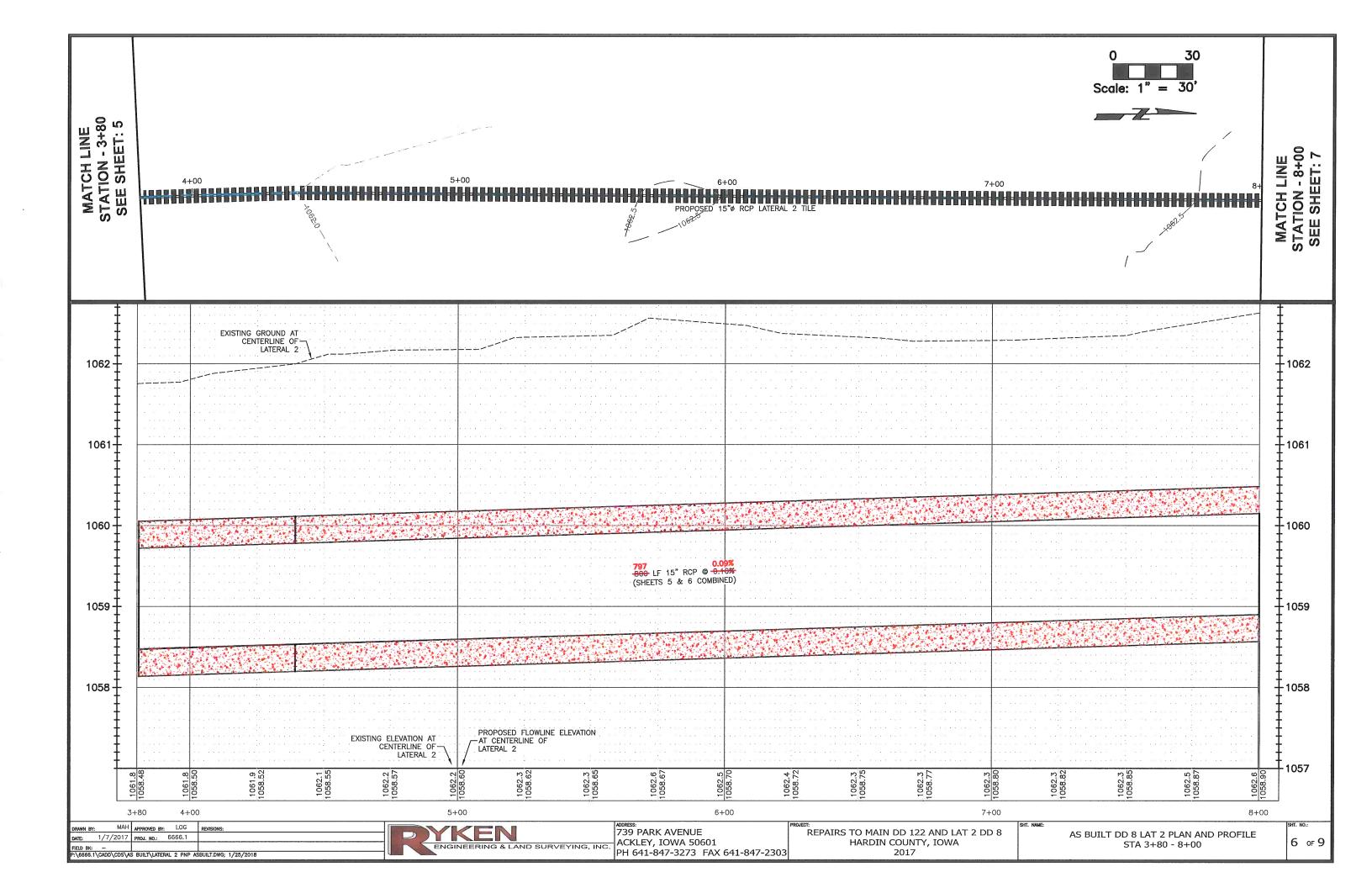
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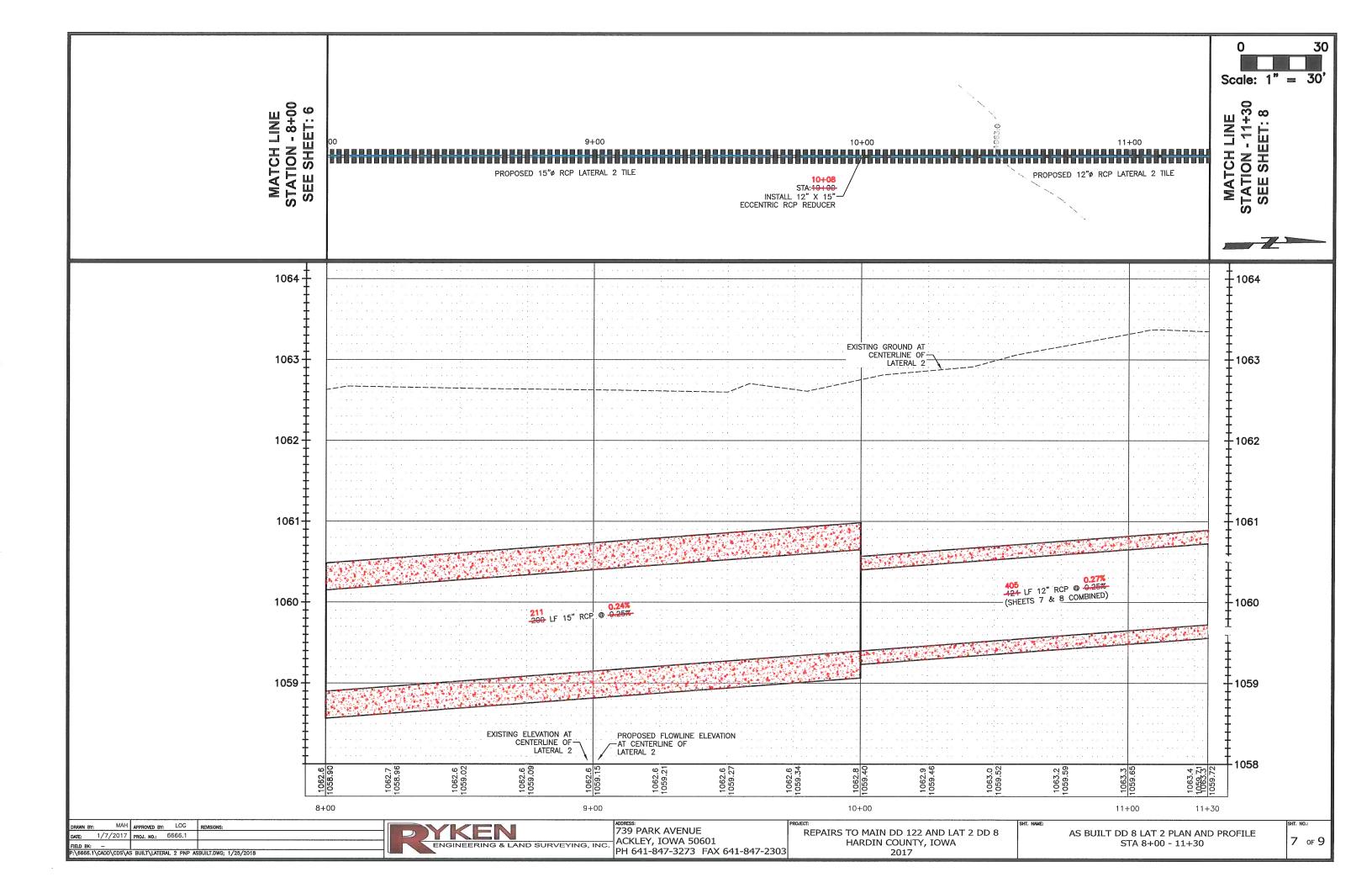
1 of 9

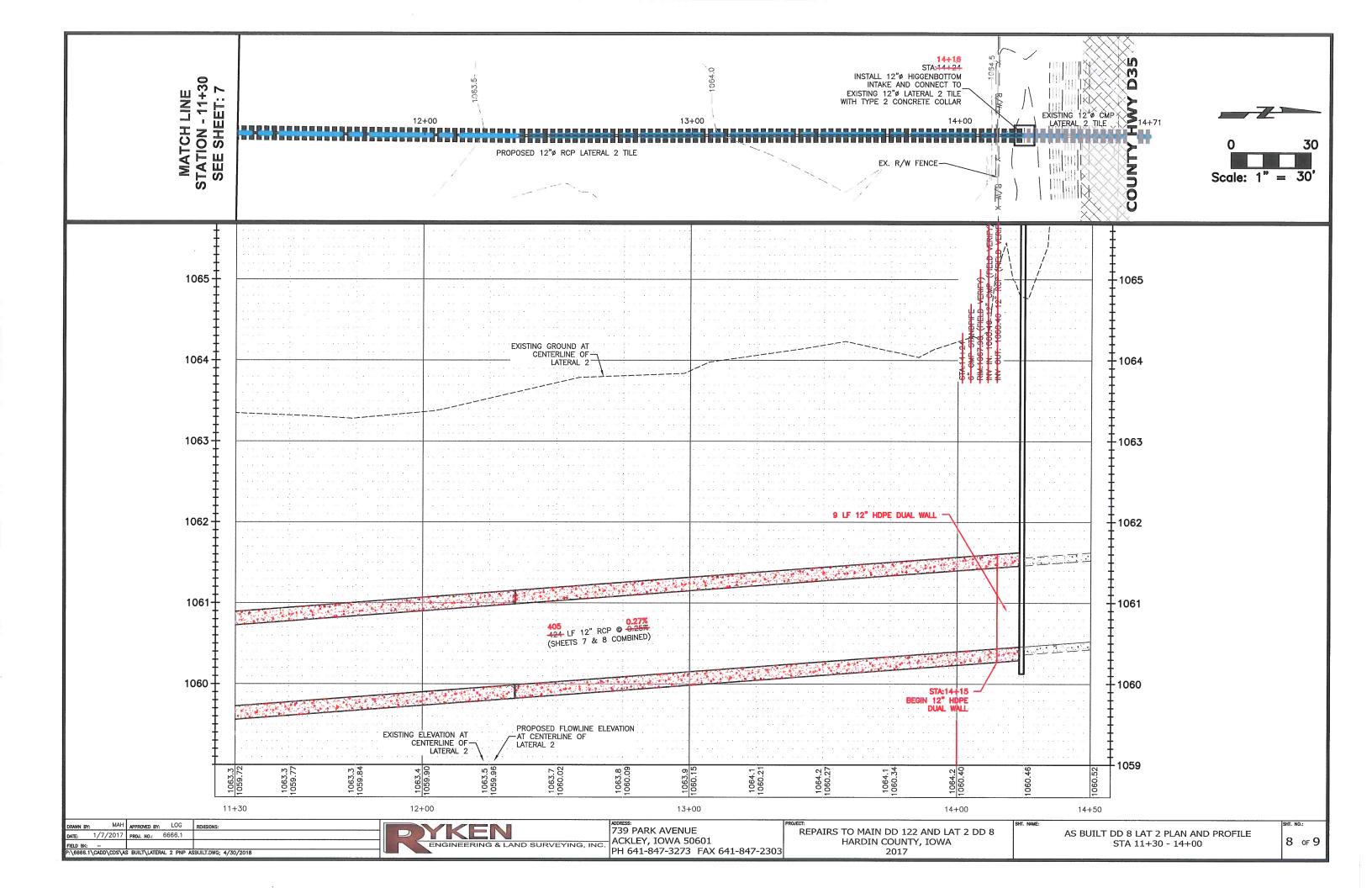












### PAY ESTIMATE NO. 3 (FINAL)

Drainage District No. 122 Lat. 2 and Draingage District No. 8

(Project No. 6931 & 6666.1) DATE: May 9, 2018

CONTRACTOR
Cole Excavating
10471 Packard Ave.,
Greene, IA 50636

<u>OWNER</u>

Trustees of Drainage District #122 Lat 2 & DD#8

Hardin County Courthouse 1215 Edgington Ave., Suite 1 Eldora, Iowa 50627 ENGINEER Ryken Engineering 739 Park Avenue Ackley, Iowa 50601

Item		Estimated		Installed		Unit		Extended
<u>No.</u>	Description	Quantity	<u>Unit</u>	Quantity		<u>Price</u>		<u>Price</u>
DIVI	ISION 122							
1*	12" Ø Polypropylene Tile	360	LF	348	\$	25.60	\$	8,908.80
2	Type 2 Concrete Collar	32	EA	26	\$	350.00	\$	9,100.00
3*	12" x 12" Polypropylene Tee	0	EA	0	\$	250.00	\$	-
4	Private Tile Connections	3	EA	3	\$	200.00	\$	600.00
5	Permanent Seeding	2	AC	0.18	\$	2,800.00	\$	504.00
6	Seeding Warranty	1	LS	1	\$	150.00	\$	150.00
7*	Tile Removal	480	LF	464	\$	4.50	\$	2,088.00
8	Traffic Control	1	LS	1	\$	1,500.00	\$	1,500.00
9*	15" Ø Polypropylene Tile	120	LF	116	\$	34.03	\$	3,947.48
10*	15"Ø vs 12"Ø Tile Exchange	1	LS	1	\$	1,074.00	\$	1,074.00
DIVIS	SION 8							
	18" Ø Polypropylene Tile	20	LF	20	\$	60.00	\$	1,200.00
	15" Ø RCP Tile	1000	LF	968	\$	36.25	\$	35,090.00
	12" Ø RCP Tile	424	LF	416	\$	31.50	\$	13,104.00
	15" X 18" RCP Wye	1	EA	1	\$	900.00	\$	900.00
105	12" X 15" RCP Eccentric Reducer	1	EA	1	\$	375.00	\$	375.00
106	Type 2 Concrete Collar	7	EA	7	\$	350.00	\$	2,450.00
107	Private Tile Connections	9	EA	7	\$	275.00	\$	1,925.00
108	12" Ø Hickenbottom Intake	1	EA	1	\$	900.00	\$	900.00
109	Grading	1	LOC	1	\$	1,500.00	\$	1,500.00
110	Permanent Seeding	0.1	AC	0.03	\$	10,000.00	\$	300.00
111	Seeding Warranty	1	LS	1	\$	200.00	\$	200.00
112	Tile Removal	1444	LF	1404	\$	4.00	\$	5,616.00
113	Intake Removal	3	EA	1	\$	100.00	\$	100.00
114	Traffic Control	1	LS	1	\$	1,500.00	\$	1,500.00
I have	e reviewed the work claimed to be	TOT	AL WC	RK COMP	LETEI	TO DATE	\$	93,032.28
	leted by the Contractor as reflected					ETENTION	\$	-
	e and recommend payment of \$8,673.23		AMOU			ETENTION	_	93,032.28
	Contractor.	-				ISLY PAID		84,359.05
	cann	<u>\</u>						
	Lee Gallentine, Project Engineer		AM	IOUNT DU	EAT	THIS TIME	\$	8,673.23

<sup>\* -</sup> Approved as part of Change Order #1

Note: For pay estimate #1, \$20,129.40 was for DD 122 and \$59,274.00 was for DD 8.

For pay estimate #2, \$4,955.65 was for DD 122.

For pay estimate #3, \$2,787.23 was for DD 122 and \$5,886.00 was for DD 8.



STATE OF COUNTY OF
Whereas the undersigned has been employed by <u>Cole Excavating</u>
(Contractor) to furnish RCP & connecting materials for the premises known as the Drainage District No. 12212+ DDNo 8 of which
premises known as the Drainage District No. 122 Lat 2+ DD No 8 of which
Trustees of Drumage District # 122 Lota is the owner.
The undersigned, for and in consideration of $\frac{24,090.88}{}$ dollars, and other good and
valuable considerations, the receipt of which is hereby acknowledged, do(es) hereby waive and
release any and all lien or claim of, or right to, lien, under the statues of the state of lowa,
relating to mechanics' liens, with respect to & on said above-described premises, and the
improvements thereon, and on the material, fixtures, apparatus or machinery furnished, and on
the moneys, funds, or other considerations due to become due from the owner, on accounts of
labor services, material, fixtures, apparatus or machinery furnished to this date, by the
undersigned for the above-described premises.
Hancock Concrete 2-14-18  Date  Remodel Robert Schmidgal  Signature  Remodel Robert Schmidgal  Prosident
trasiclent

COUNTY OF		
Whereas the undersigned has been employed by	Cole Excainthras	
(Contractor) to furnish Misc. Ripe M	xterials	for the
premises known as the Orange Aistrict No	1. 122/at 2+ DD No 8	of which
Trustees of Drawage District # 122 Lata is	the owner.	
The undersigned, for and in consideration of \$	5,435,97 dollars, and o	ther good and
valuable considerations, the receipt of which is he	reby acknowledged, do(es) I	hereby waive and
release any and all lien or claim of, or right to, lies		
relating to mechanics' liens, with respect to & on :		
improvements thereon, and on the material, fixture	es, apparatus or machinery fi	urnished, and on
the moneys, funds, or other considerations due to l	become due from the owner.	on accounts of
labor services, material, fixtures, apparatus or mac	hinery furnished to this date	, by the
undersigned for the above-described premises.		,,
Medalsthe Sypla Tre	2-14-18 Date	
English April Bignature	Budget A Bahna Name & Title	ser Vanagen
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STATE OF ZOWA COUNTY OF POIK	
Whereas the undersigned has been employed by(	Cole Exeasiting
(Contractor) to furnish aggregate gyeter	ials for the
premises known as the Orainage Aistrict No.	12262 24 DDD 8 of which
Whereas the undersigned has been employed by (Contractor) to furnish <u>against the trades</u> premises known as the <u>Orating Aistrict No.</u> Trustees of Orating Oistrict 14 122 Late is the Aistrict No.	ne owner.
The undersigned, for and in consideration of $\$\_\mathfrak{Z}$	775.54 dollars, and other good and
valuable considerations, the receipt of which is here	by acknowledged, do(es) hereby waive and
release any and all lien or claim of, or right to, lien,	under the statues of the state of Iowa,
relating to mechanics' ficus, with respect to & on so	id above-described premises, and the
improvements thereon, and on the material, fixtures	, apparatus or machinery furnished, and on
the moneys, $ ilde{ ext{times}}$ , or other considerations due to be	come due from the owner, on accounts of
labor services, material, fixtures, apparatus or mach	inery furnished to this date, by the
undersigned for the above-described premises.	
Martin Manietts Company Name	Date February 14, 2018
Fin M Doelf Signature	Name & Title

### ALVOLUE VIEW ROSELLEY W

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premise lander as the Drainage District No. 1226+2+ DDNO8	Ol White
Trustees of Drainage District #122 Lat2 in in our in	
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Concrete Inc

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Names Little

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SIAIFOL COLMIYO

Whereas the undersigned has been employed by Chile L XCALAGING (Contractor) to furnish See divergence of the land of the Line for the of which

the undersigned, for and in consideration of \$  $\{U(v)\}$ , CCdollars, and other good and valuable considerations, the receipt of which is hereby acknowledged, dotes) hereby waive and release any and all lien or claim of, or right to, lien, under the statues of the state of lowa. relating to mechanics. liens, with respect to & on said above described premises, and the improvements thereon, and on the material fixtures, apparatus or machinery furnished, and on the moneys, funds, or other considerations due to become due from the owner, on accounts of labor services, material. fixtures, apparatus or machinery furnished to this date, by the undersigned for the above-described premises.

Lakeside Const Inc

2-14-18

Greyffrubes President

STATE OF	
Whereas the undersigned has been employed by	Cole Excavating
(Contractor) to furnish	for the
premises known as the Drainage Aistvict No.	122/at 2+ DD No 8 of which
Trustees of Drainage District # 122 Lata is	the owner.
The undersigned, for and in consideration of \$_4	7, 500,00 dollars, and other good and
valuable considerations, the receipt of which is her	eby acknowledged, do(es) hereby waive and
release any and all lien or claim of, or right to, lien	, under the statues of the state of Iowa,
relating to mechanics' liens, with respect to & on s	aid above-described premises, and the
improvements thereon, and on the material, fixture	s, apparatus or machinery furnished, and on
the moneys, funds, or other considerations due to b	ecome due from the owner, on accounts of
abor services, material, fixtures, apparatus or macl	ninery furnished to this date, by the
undersigned for the above-described premises.	
Brian Nettleton Exc. Inc Company Name	2/13/18 Date
B E Signature	Brian E. Wittleton Name & Title President
	DIED INCOL