

HARDIN COUNTY, IOWA

2024



**COMPLETION REPORT
ON REPAIRS TO
THE MAIN TILE
DRAINAGE DISTRICT
NO. 3
HARDIN COUNTY,**



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 *Jan 29, 2024*
LEE O. GALLENTINE, P.E. DATE

LICENSE NUMBER: 15745
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2024
PAGES OR SHEETS COVERED BY THIS SEAL:
SHOWN ON TABLE OF CONTENTS



CLAPSADDLE-GARBER ASSOCIATES OFFICE LOCATIONS

16 East Main Street, PO Box 754 | Marshalltown, IA 50158
1523 S. Bell Avenue, Suite 101 | Ames, IA 50010
5106 Nordic Drive | Cedar Falls, IA 50613
739 Park Avenue | Ackley, IA 50601

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

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Project Timeline

The District Trustees, requested Clapsaddle-Garber Associates to investigate and report concerning repairs to the upper Main Tile of Drainage District No. 3. As a result, Clapsaddle-Garber Associates generated an Engineer's Report dated May 17, 2021, summarizing past improvements and repairs, investigating the necessity and feasibility of repairs/improvements to the upper Main Tile in Drainage District No. 3 and presenting opinions of construction costs associated with said repairs/improvements. The Engineer's Report was presented to the District Trustees and a hearing concerning said report was conducted on August 16, 2021. As a result, a Supplement Engineer's Report was produced dated September 3, 2021 and a continuation of the public hearing was held on September 13, 2021. As a result, the Trustees authorized Clapsaddle-Garber Associates to proceed with completion of project plans and specifications for the repair/improvements option presented in said report and proceed with a bid letting.

Clapsaddle-Garber Associates completed the authorized plans and specifications and a bid letting date of March 7, 2022 was set. The project was advertised, and bids were received from qualified contractors. The following bids for said repairs to this district for the RCP option were received:

	Contractor	Bid Amount
1.	Hands on Excavating LLC	\$423,921.46
2.	Brian Nettleton Excavating Inc	\$552,069.00
3.	Weidemann, Inc	\$568,979.50
4.	Lambertsen Excavating Inc	\$615,225.85
5.	Vieth Construction Corp	\$620,165.80

The District Trustees identified Hands on Excavating LLC as the lowest responsible bidder for the project and awarded the project to them. The contract was signed on March 3, 2022. Construction activities were started during the week of July 4, 2022. During the construction period, conditions were favorable for construction other than the occasional weather related delays. Pipe installation / final grading was completed the week of December 5, 2022 (the week after the contract completion date). However, completion of punchlist items was not achieved until the week of January 8, 2024.

Project Deviations

This project followed the authorized plans and specifications well, with the following deviations (for reference see as-built plan sheets included in Appendix V):

1. During construction, it was found that the quantities needed for several items including pipe, fittings, private tile connections, etc were different than those anticipated in the bid quantities for the project. This resulted in a decrease of \$14,755.36 and no change to the substantial completion date.

Final Project Costs

The final project costs for construction (for reference see the final pay estimate included in Appendix W) and engineering (not including reports) are estimated at \$506,166.10, which is approximately \$26,400.00 more than those presented at the 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:

Main Tile	Project as bid by Contractor	\$423,921.46
	Item #1 (above)	(-)\$14,755.36
	Engineering	(+)\$97,000.00
	TOTAL PROJECT COST	\$506,166.10

The total project cost is above those opinions of cost contained within said Engineer's Report, but the contractor's total work completion period was slower than anticipated and bid prices were higher than anticipated due to supply chain issues. It should be noted that the above costs do not include any administrative costs, legal costs, interest on construction warrants, or damage claims.

Damages

During construction, crop damage was incurred by two property owners on this project. Impacted acres consisted of corn and bean production being grown in the vicinity of the repair. Some unfarmed ground (cover was grass) was disturbed for the construction of the repair, but since it was not under production this has not been tabulated. The following table shows the property owner impacted, which type of crops were impacted, and the number of acres damaged:

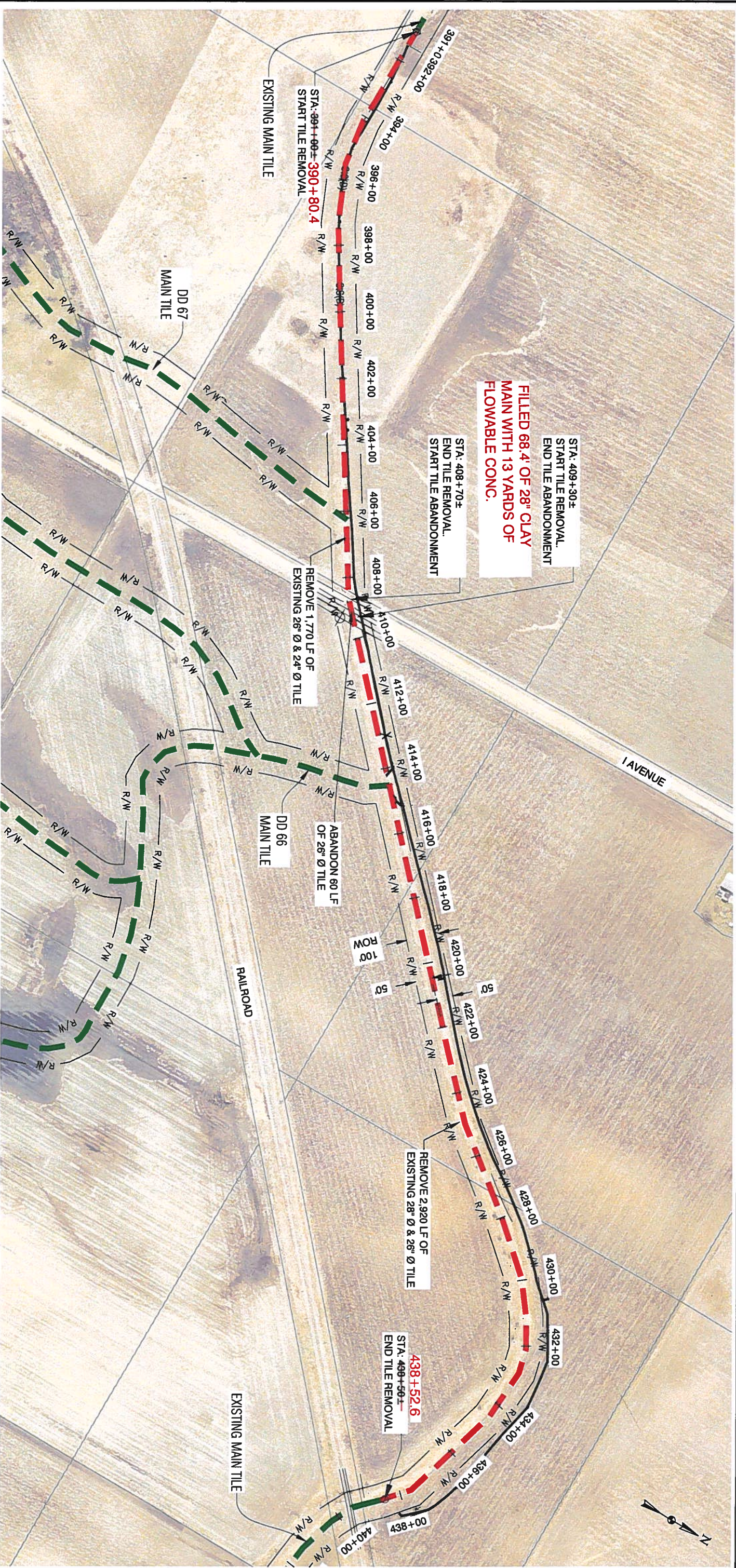
Property Owner	Corn Damage (Acres)	Bean Damage (Acres)
Bartlett, Peter & Kathy - 1/2 Bartlett, Phyllis A - 1/2	4.763	0
Brauer, Steven R & Johnson, Laura A - 1/2 Sielaff, William D - 1/2	0	1.136

It is our recommendation that landowners or their tenants be paid for damage claims consistent with the above if they choose to file them. It should also be noted that in addition to the above, there may be additional landowners or tenants who were unable to plant a crop due to construction and may be entitled to crop damage claims. It is our recommendation that those claims (if filed) be evaluated individually.

Pending Items

As of the writing of this report, this project is complete (including punch list items) in general accordance with the authorized plans and specifications. Additionally, lien waivers for suppliers have been submitted by the general contractor (for reference see Appendix X). After the completion hearing, final payment of \$40,916.61 needs to be authorized by the Trustees and the applicable highway authorities should be invoiced for the applicable cost of road crossings (assumed to be Items R1-R11) highlighted pink on the final pay estimate. It is our recommendation that the project be accepted. We 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 have Clapsaddle-Garber Associates exercise this recommendation, there are no engineering fees included in the above Final Project Costs to cover this service. Also, it should be noted that the metal grating cover at the start of the project was a custom constructed item and it is not clear at this point what the functionality or lifespan of the same is. So, its condition and functionality should also be monitored.

APP V.

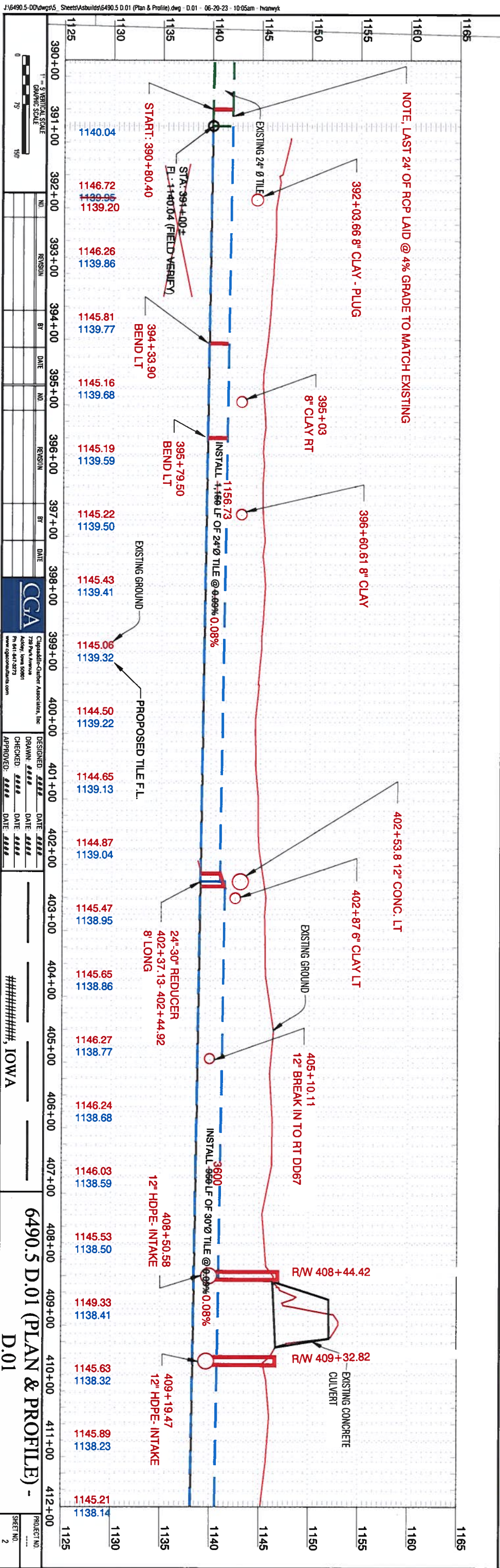
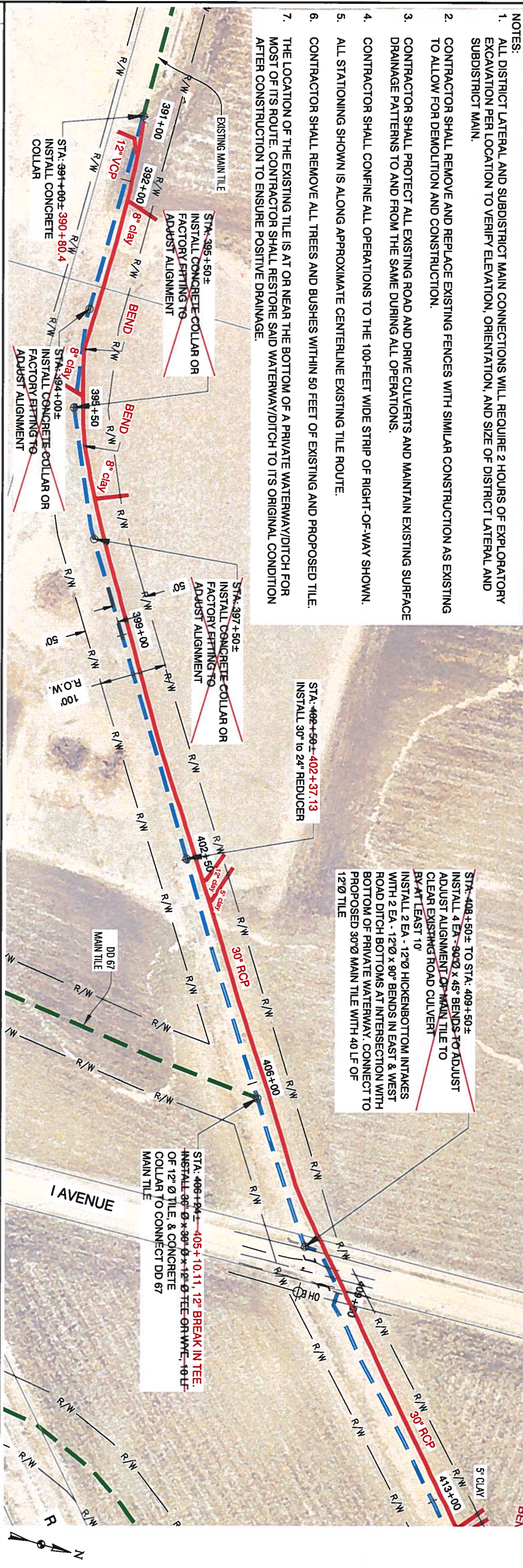


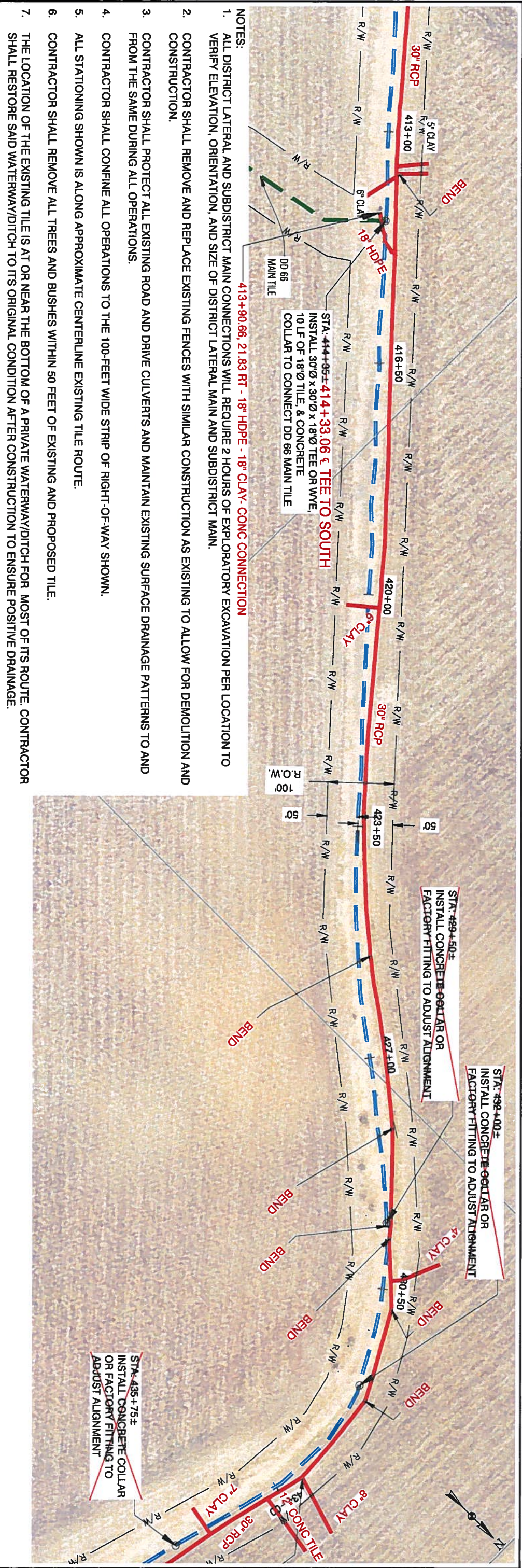
NOTES:

1. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING FENCES WITH SIMILAR CONSTRUCTION AS EXISTING TO ALLOW FOR DEMOLITION AND CONSTRUCTION.
2. CONTRACTOR SHALL REMOVE ALL TREES AND BUSHES WITHIN 50 FEET OF EXISTING AND PROPOSED TILE.
3. CONTRACTOR SHALL PROTECT ALL EXISTING ROAD AND DRIVE CULVERTS AND MAINTAIN EXISTING SURFACE DRAINAGE PATTERNS TO AND FROM THE SAME DURING ALL OPERATIONS.
4. CONTRACTOR SHALL CONFINE ALL OPERATIONS TO THE 100-FEET WIDE STRIP OF RIGHT-OF-WAY SHOWN.
5. ALL STATIONING SHOWN IS ALONG APPROXIMATE CENTERLINE EXISTING TILE ROUTE.
6. THE LOCATION OF THE EXISTING TILE IS AT OR NEAR THE BOTTOM OF A PRIVATE WATERWAY/DITCH FOR MOST OF ITS ROUTE. CONTRACTOR SHALL RESTORE SAID WATERWAY/DITCH TO ITS ORIGINAL CONDITION AFTER CONSTRUCTION TO ENSURE POSITIVE DRAINAGE.

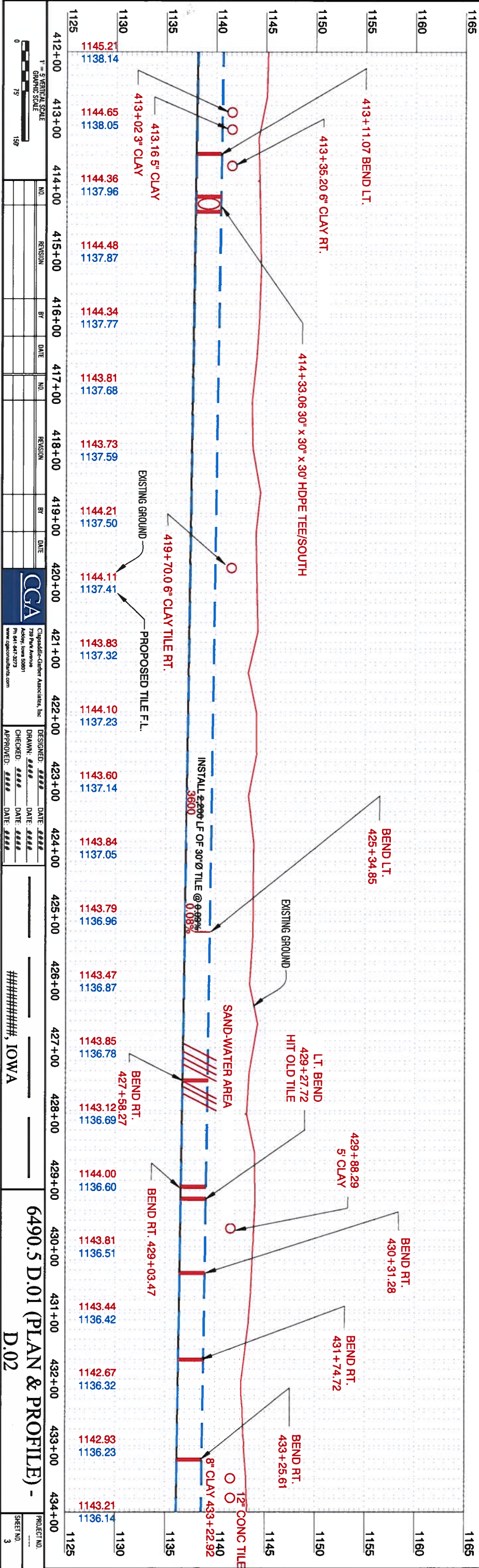
 GRAPHIC SCALE 0 150 300'	NO.		REVISION		BY		DATE		NO.		REVISION		BY		DATE		 Clayton-Ginter Associates, Inc. 729 First Avenue Akeley, Iowa 50001 Ph 561-647-3273 www.gpaonline.com	DESIGNED: _____ DATE: _____	_____	_____	PROJECT NO. _____ SHEET NO. 1
																		DRAWN: _____ DATE: _____	_____	_____	
																	CHECKED: _____ DATE: _____	_____	_____		
																	APPROVED: _____ DATE: _____	_____	_____		
																	HARDIN CO, IOWA		6490.5 D.00 (DEMO) - D.00		

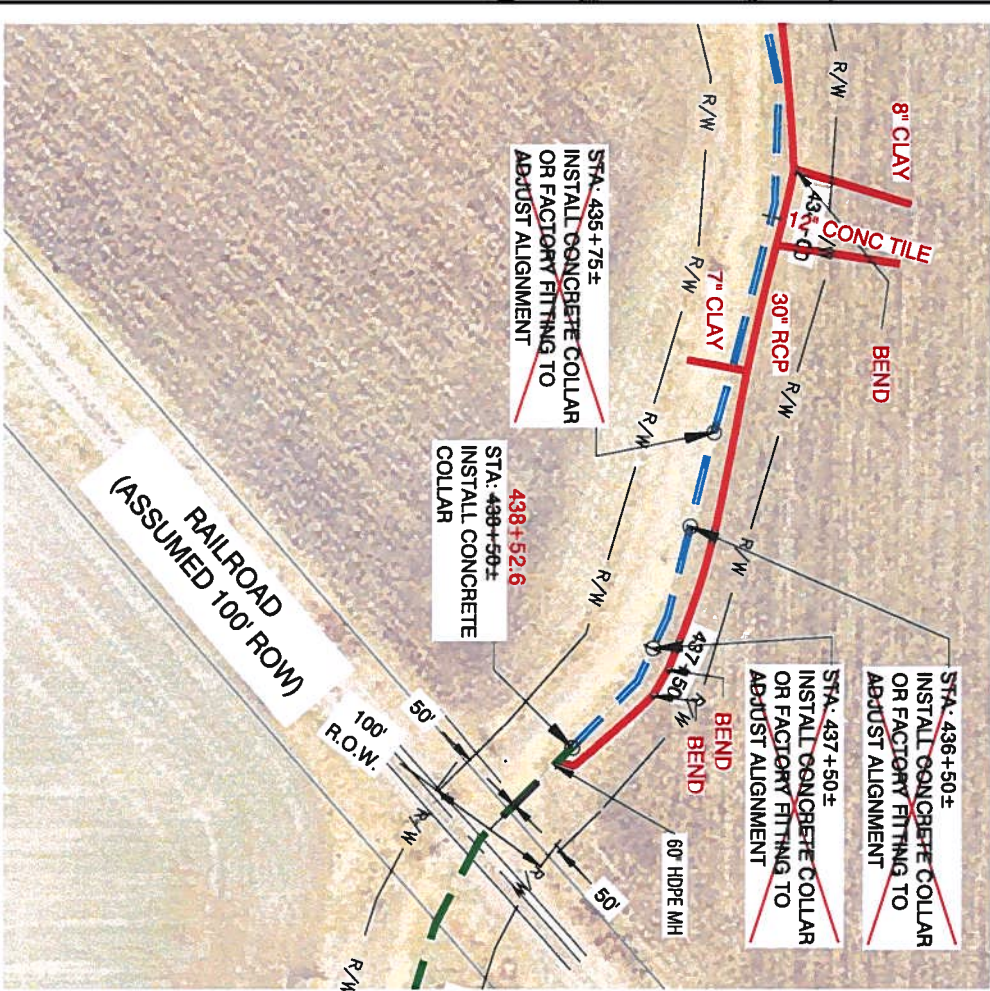
- NOTES:
- ALL DISTRICT LATERAL AND SUBDISTRICT MAIN CONNECTIONS WILL REQUIRE 2 HOURS OF EXPLORATORY EXCAVATION PER LOCATION TO VERIFY ELEVATION, ORIENTATION, AND SIZE OF DISTRICT LATERAL AND SUBDISTRICT MAIN.
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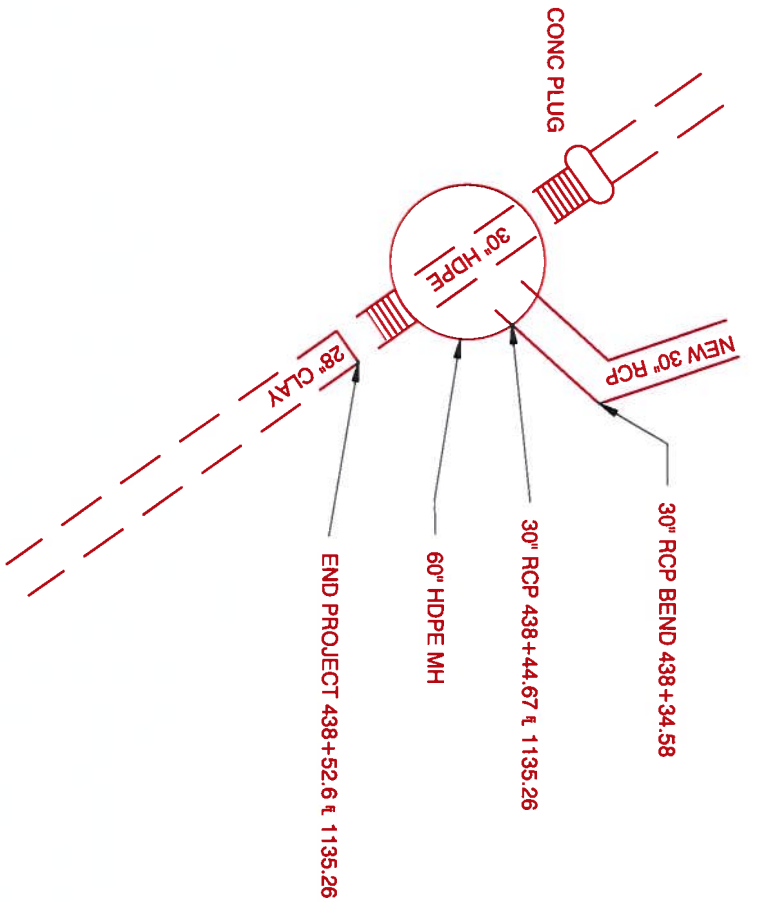
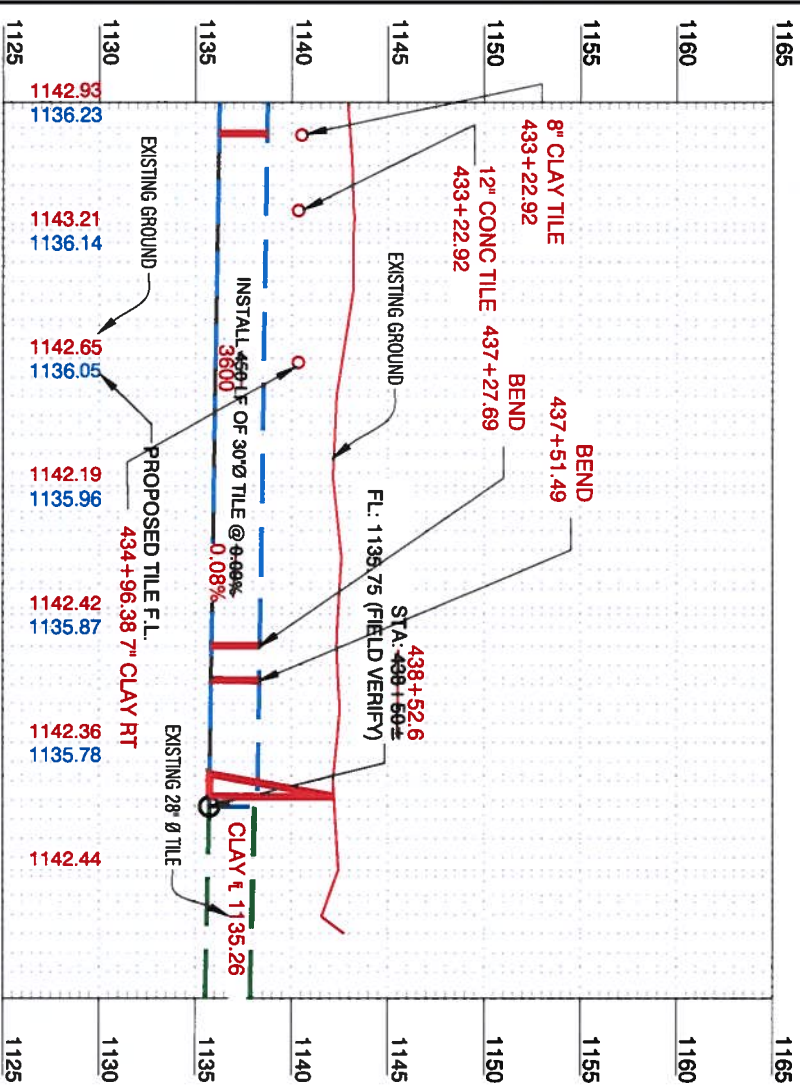


- NOTES: 413+90.66, 21.83 RT - 18" HDPE - 18" CLAY- CONC CONNECTION
1. ALL DISTRICT LATERAL AND SUBDISTRICT MAIN CONNECTIONS WILL REQUIRE 2 HOURS OF EXPLORATORY EXCAVATION PER LOCATION TO VERIFY ELEVATION, ORIENTATION, AND SIZE OF DISTRICT LATERAL MAIN AND SUBDISTRICT MAIN.
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1" = 5' VERTICAL SCALE GRAPHIC SCALE		NO.		REVISION		BY		DATE		NO.		REVISION		BY		DATE	
0 75' 150'																	

CCA

Chicago Area
Associated
Associates, Inc.
700 North LaSalle Street
Chicago, Illinois 60610
Tel: 312.467.2073
www.ccaassociates.com

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

#####, IOWA

APP W.

PAY ESTIMATE NO. 4 (FINAL)
PARTIAL MAIN TILE REPLACEMENT DD 3
HARDIN COUNTY
PROJECT NUMBER 6490.5
DATE: 1-23-24

CONTRACTOR
Hands on Excavating LLC
3305 Ziegler Ave
Radcliffe, IA 50230

OWNER
Trustees of Drainage District 3
c/o Hardin County Drainage Clerk
1215 Edgington Ave
Eldora, Iowa 50627

ENGINEER
Clapsaddle-Garber Associates
739 Park Avenue
Ackley, Iowa 50601

DD 3 BASE BID

SECTION D- DISTRICT ITEMS

Item No.	Description	Estimated Quantity	Unit	Installed Quantity	Unit Price	Extended Price
D1	30" Dia. RCP Tile	3,540	LF	3511.6	\$ 72.84	\$ 255,784.94
D2	24" Dia. RCP Tile	1,150	LF	1157	\$ 53.17	\$ 61,517.69
D3	18" Dia. RCP Tile	10	LF	44	\$ 105.00	\$ 4,620.00
D4	12" Dia. RCP Tile	10	LF	26.8	\$ 95.00	\$ 2,546.00
D5	30" to 24" RCP Reducer	1	EA	1	\$ 2,039.72	\$ 2,039.72
D6	30" x 30" x 18" RCP Tee or Wye	1	EA	1	\$ 1,909.72	\$ 1,909.72
D7	30" x 30" x 12" RCP Tee or Wye	1	EA	1	\$ 1,909.72	\$ -
D8	Concrete Collar	12	EA	12	\$ 750.00	\$ 9,000.00
D9	Private Tile Connection	20	EA	10	\$ 950.00	\$ 9,500.00
D10	Locate Existing Main Tile	46.9	STA	46.9	\$ 75.00	\$ 3,517.50
D11	Tile Removal	46.9	STA	20	\$ 75.00	\$ 1,500.00
D12	Exploratory Excavation	4	HR	7	\$ 250.00	\$ 1,750.00
D13	Seeding	46.9	STA	46.9	\$ 470.00	\$ 22,043.00
D14	Seeding Warranty	1	LS	1	\$ 1,500.00	\$ 1,500.00

District Items Total \$ 377,228.57

SECTION R- ROADWAY ITEMS

Item No.	Description	Estimated Quantity	Unit	Installed Quantity	Unit Price	Extended Price
R1	30" Dia. RCP Tile	30	LF	36.4	\$ 72.84	\$ 2,651.38
R2	30" Dia. RCP Tile Road Crossing	60	LF	52	\$ 188.08	\$ 9,780.16
R3	12" Dia. RCP Tile	40	LF	60.75	\$ 172.52	\$ 10,480.59
R4	30" x 45° RCP Bend	4	EA	2	\$ 2,102.15	\$ -
R5	Hickenbottom Intake	2	EA	2	\$ 1,674.15	\$ 3,348.30
R6	Locate Existing Main Tile	0.9	STA	0.9	\$ 75.00	\$ 67.50
R7	Tile Abandonment	60	LF	68.4	\$ 44.00	\$ 3,009.60
R8	Tile Removal	0.3	STA	0.2	\$ 500.00	\$ 100.00
R9	Seeding	1	LS	1	\$ 1,500.00	\$ 1,500.00
R10	Seeding Warranty	1	LS	1	\$ 500.00	\$ 500.00
R11	Traffic Control	1	LS	1	\$ 500.00	\$ 500.00

Roadway Items Total \$ 31,937.53

I have reviewed the work claimed to be completed by the Contractor as reflected above and recommend payment as shown to the Contractor.


Lee Gallentine, Project Engineer


Contractor

TOTAL WORK COMPLETED TO DATE	\$ 409,166.10
10% RETENTION	\$ -
AMOUNT DUE LESS RETENTION	\$ 409,166.10
PREVIOUSLY PAID	\$ 368,249.49
AMOUNT DUE AT THIS TIME	\$ 40,916.61



APP X.

UNCONDITIONAL WAIVER AND RELEASE UPON PAYMENT

TO WHOM IT MAY CONERN:

Whereas the undersigned

Martin Marietta

has been paid and has received payment in full for labor, services, equipment and/or material furnished to Hands On Excavating LLC for the job know as Harden County DD3

County located in the city/county of Harden State of Iowa.

The undersigned does hereby release any right to lien on the above referenced job to the following extent. This release covers a complete payment for labor, services, equipment or materials furnished through the date signed below, and does not cover items furnished after this date.

Dated this 29 day of Dec., 20 23

Company:

Martin Marietta

By:

(Signature)

Thomas J. Lawry
Sr. Credit Rep.

****Lien Waivers need to be returned before next payment will be processed****

Please Return to:
Hands On Excavating LLC
3305 Ziegler Ave
Radcliffe, IA 50230

UNCONDITIONAL WAIVER AND RELEASE UPON PAYMENT

TO WHOM IT MAY CONERN:

Whereas the undersigned Midstates Precast Products
has been paid and has received payment in full for labor, services, equipment and/or material furnished
to Hands On Excavating LLC for the job know as Job# 21-1668
Eldora, Ia. located in the city/county of Hardin County
_____, State of Iowa.

The undersigned does hereby release any right to lien on the above referenced job to the following
extent. This release covers a complete payment for labor, services, equipment or materials furnished
through the date signed below, and does not cover items furnished after this date.

Dated this 3 day of Jan, 2024

Company: Midstates Precast Products

By: [Signature]
(Signature)

****Lien Waivers need to be returned before next payment will be processed****

Please Return to:
Hands On Excavating LLC
3305 Ziegler Ave
Radcliffe, IA 50230