

**AGENDA
REGULAR DRAINAGE MEETING
OCTOBER 17, 2018
8:30 A.M.**

1. Open Meeting
2. Approve Agenda
3. Approve Minutes
October 10, 2018 Regular Drainage Meeting

Documents:

[10_10_2018 - DRAINAGE MINUTES.PDF](#)

4. Discuss, With Possible Action, Utility Permits With Radcliffe Telephone Co
5. DD 52 - Approve Legal Petition To Be Filed With Piel Manufacturing
6. DD 25 - Discuss, With Possible Action, Updates On Project
 - Contractor Updates
 - Legal Updates Regarding Railroad
7. DD 25 Lat 3 - Approve Work Order Request #226

Documents:

[DD 25 LAT 3 WO226 REQUEST FORM.PDF](#)
[DD 25 LAT 3 WO226 MAP.PDF](#)

8. DD 55-3 Laterals 9, 9A And 9C - Acknowledge Receipt Of Completion Report And Set Completion Hearing Date

Documents:

[6636.1 - DD 3-55 LAT 9, 9A, AND 9C COMPLETION REPORT.PDF](#)

9. Other Business
10. Adjourn Meeting

REGULAR DRAINAGE MEETING

10/10/2018 - Minutes

1. Open Meeting

Hardin County Board of Supervisors Chairman, BJ Hoffman, opened the meeting. Also present were Supervisors, Lance Granzow and Renee McClellan; Joe Barrett with Windstream Communications; Jason Hull with MP Next Level; Paul Williams with Williams Excavating; Jacob Handsaker with Hands On Excavating; Lee Gallentine with Clapsaddle-Garber Associates (CGA); Drainage Clerk, Tina Schlemme.

2. Approve Agenda

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

3. Approve Minutes

McClellan moved, Granzow seconded to approve the minutes of the September 26, 2018 regular drainage meeting. All ayes. Motion carried.

4. Approve Claims For Payment

McClellan moved, Granzow seconded to approve the claim for payment with pay date of Friday, October 12, 2018. All ayes. Motion carried.

| | | |
|---|-------------------------|-------------|
| DD 22 ENG SVCS 8/18-9/15/18 | Clapsaddle-Garber Assoc | \$ 1,014.16 |
| DD 72 CLAIM FOR DMGS RESEEDING | AI-Op Wilson LLC | \$ 718.00 |
| DD HS 35-1 STORY CO SEC RDS WO3261 | Story County Treasurer | \$ 2,280.00 |
| DD 55-3 LAT 9 INVESTIGATION SVCS TO 9/14/18 | Clapsaddle-Garber Assoc | \$ 365.80 |

5. Discuss, With Possible Action, Windstream Communications Utility Permits

Much discussion was had regarding no communication received from Windstream regarding the drainage utility permit submitted. Barrett stated that there was a lack of internal communication as the crew working on the project did not receive the permit requirements. He admitted that he was involved in the email chains but thought it was a null point since the project was already finished. He further stated that he understood the importance of protecting the drainage tile and will work with the districts moving forward now that they know what is expected. Gallentine stated he would like to see the location of where facilities were crossed to ensure no tile was damaged. Windstream's contractor, MP Next Level, will contact CGA once the tile is located. When asked, Barrett stated CGA should invoice Windstream directly for any costs incurred. Granzow moved, McClellan seconded to suspend the cease and desist order. The order will be removed once Windstream locates the tile and with the understanding that they will communicate with CGA moving forward. All ayes. Motion carried.

6. DD 55-3 Lat 9 - Discuss, With Possible Action, Landowner Concerns

Joel with Kielsmeier Farms was invited to attend the meeting regarding concerns with the current project but was not in attendance. Handsaker presented a slide show of photos and videos he took the previous day of the area after a large amount of rain was received. The footage showed the tile flowing, the intakes taking in water and little water standing. He also presented a photo of the same area a year ago to show the water standing then and not today. The Trustees agreed that Bunte and/or Kielsmeier will need to attend a meeting to address their concerns in person so an arrangement can be worked out, if so desired.

7. Discuss, With Possible Action, Williams Excavation Concerns

Williams stated that he would be increasing his rates some for small projects due to costs. He is not big enough for the larger projects and focuses mainly on municipal sewer work. He expressed concern regarding lumping small projects into one bid letting that he is not able to do. Handsaker added that he is currently working on one of the lumped projects and doesn't believe it works well for them and recommends keeping them small projects. It was stated that contractors are not always available for small projects and they appreciated Williams taking them on. The Trustees agreed that they understood Williams situation and the business decision to raise the rates.

8. DD 34 - Discuss, With Possible Action, Updates On Contractor Warranty Concerns

Schlemme updated the Trustees that the concerns regarding the concrete curtain wall is currently being addressed by Hands On. They have called One Call and will be repairing the wall when weather cooperates.

9. Other Business

None.

10. Adjourn Meeting

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



Drainage Work Order Request For Repair

Hardin County

Date: 10/15/2018

Work Order #: WO00000226

Drainage District: Drainage Districts \DD 25 (51048)

Sec-Twp-Rge: 22-86-22 Qtr Sec: SW

Location/GIS: 86-22-22-326-002

Requested By: LaVerne Severseike

Contact Phone: (515) 290-2614

Contact Email: _____

Landowner (if different): Keith Dubberke

Description: DD 25 Lat 3 - Water boiling out of ground, just NW of previous repair in apple orchard.

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: _____



**COMPLETION REPORT
ON REPAIRS TO
LATERALS 9, 9A, AND 9C
DIVISION 3,
DRAINAGE DISTRICT 55
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> LEE O. GALLENTINE, P.E. DATE <i>Oct 15, 2018</i></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

16 East Main Street
Marshalltown, IA 50158
Phone: 641-752-6701
Fax: 641-752-2849

1523 S. Bell Avenue
Ames, IA 50010
Phone: 515-232-1784
Fax: 515-233-5976

**Completion Report on Repairs to Laterals 9, 9A and 9C
Division 3, Drainage District 55
Hardin County, Iowa**

| | |
|--------------------------|--------|
| Table of Contents | Pg. 1 |
| Report | |
| Project Timeline | Pg. 2 |
| Project Deviations | Pg. 3 |
| Final Project Costs | Pg. 5 |
| Pending Items | Pg. 6 |
| Appendices | |
| As-Built Plan Sheets | App. M |
| Final Pay Estimate | App. N |
| Lien Waivers | App. O |

Completion Report on Repairs to Laterals 9, 9A and 9C Division 3, Drainage District 55 Hardin County, Iowa

PROJECT TIMELINE: The Hardin County Board of Supervisors, acting as District Trustees, requested Ryken Engineering to investigate and report concerning repairs or improvements of the existing Lateral 9 and 9C tiles of Division 3, Drainage District No. 55. As a result, Ryken Engineering generated an Engineer's Report dated July 2, 2015 summarizing past improvements and repairs, investigating the necessity and feasibility of repairs or improvements to the existing Lateral 9 and 9C tiles, and presenting opinions of construction costs associated with said repairs or improvements. A hearing concerning said report was conducted. As a result, a revised Engineer's Report dated September 29, 2015 was generated and a second hearing held. As a result of the second hearing, the Trustees authorized Ryken Engineering to proceed with completion of project plans and specifications for said repairs along with repairs to the Lateral 9A tile and proceed with a bid letting.

Ryken Engineering completed the authorized plans and specifications and a bid letting date of February 22, 2017 was set. The project was advertised, and bids were received from qualified contractors. The following base bids for said repair were received:

- | | |
|---|--------------------|
| 1. Hands On Excavating LLC of Radcliffe, Iowa | Bid = \$356,318.11 |
| 2. Farm Tile Pro of Osage, Iowa | Bid = \$412,709.40 |
| 3. Gehrke Inc. of Eldora, Iowa | Bid = \$470,448.50 |
| 4. McDowell & Sons of Iowa Falls, Iowa | Bid = \$494,869.28 |
| 5. King Contracting LLC of Wall Lake, Iowa | Bid = \$514,244.17 |

The District Trustees identified Hands On Excavating LLC as the lowest responsible bidder for the repair to district facilities and awarded the project. The contract was signed on April 19, 2017. Construction activities were started on July 18, 2017. Weather and working conditions for this type of construction were favorable and the contractor worked until the Lateral tiles and headwall were repaired with minimal cleanup and punchlist items remaining. This was achieved December 4, 2017 (approximately 4 days after the November 30, 2017 contract completion date).

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 M):

Lateral 9

1. During construction, more 30” polypropylene tile was needed than anticipated. This resulted in an increase of \$911.40.
2. During construction, less 24” polypropylene tile was needed than anticipated. This resulted in a decrease of \$2,037.94.
3. During construction, less 18” polypropylene tile was needed than anticipated. This resulted in a decrease of \$1,861.09.
4. During construction, more 8” polyethylene tile was needed than anticipated. This resulted in an increase of \$218.31.
5. During construction, the 12”x24” polypropylene wye was not needed as the Lateral 9B tile could not be found and appears to have never been installed. This resulted in a decrease of \$725.90.
6. During construction, the 8”x8” polyethylene wye was not needed as the Lateral 9D tile could not be found and appears to have never been installed. This resulted in a decrease of \$135.77.
7. During construction, more private tile connections were needed than anticipated. This resulted in an increase of \$897.66.
8. During construction, less road ditch grading was performed than anticipated. This resulted in a decrease of \$500.00.
9. During construction, more Exploratory Excavations was needed than was anticipated. This resulted in an increase of \$600.00.
10. During construction, less tile was removed than was anticipated. This resulted in a decrease of \$26.20.
11. Since less road ditch grading was performed, less permanent seeding was needed than was anticipated. This resulted in a decrease of \$400.00.

Lateral 9C

12. During construction, less 18” polypropylene tile was needed than was anticipated. This resulted in a decrease of \$531.75.
13. During construction, less 12” polypropylene tile was needed than was anticipated. This resulted in a decrease of \$144.81.
14. During construction, fewer concrete collars were needed than was anticipated. This resulted in a decrease of \$657.22.
15. During construction, one less private tile connection was needed than was anticipated. This resulted in a decrease of \$291.80.

16. During construction, less road ditch grading was performed than anticipated. This resulted in a decrease of \$500.00.
17. During construction, less tile was removed than was anticipated. This resulted in a decrease of \$78.60.
18. During construction, more intakes were removed than was anticipated. This resulted in an increase of \$303.70.
19. During construction, more existing tile was located than was anticipated. This resulted in an increase of \$1.80.

Lateral 9A

20. During construction, less 18" RCP tile was needed than was anticipated. This resulted in a decrease of \$216.88.
21. During construction, more 24" CMP tile was needed than was anticipated. This resulted in an increase of \$188.30.
22. During construction, the 8"x18" RCP Tee was not used. This resulted in a decrease of \$626.92.
23. During construction, one less concrete collar was needed than was anticipated. This resulted in a decrease of \$328.61.
24. During construction, less tile was removed than was anticipated. This resulted in a decrease of \$22.50.
25. During construction, less permanent seeding was needed than was anticipated. This resulted in a decrease of \$400.00.

All Laterals

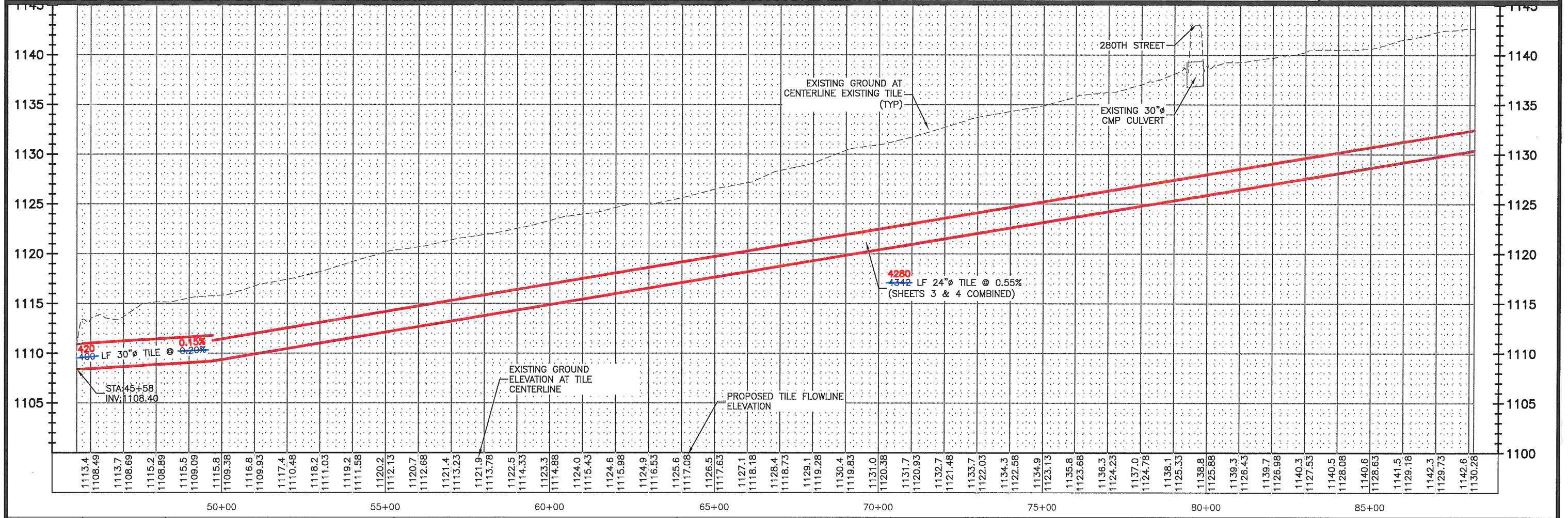
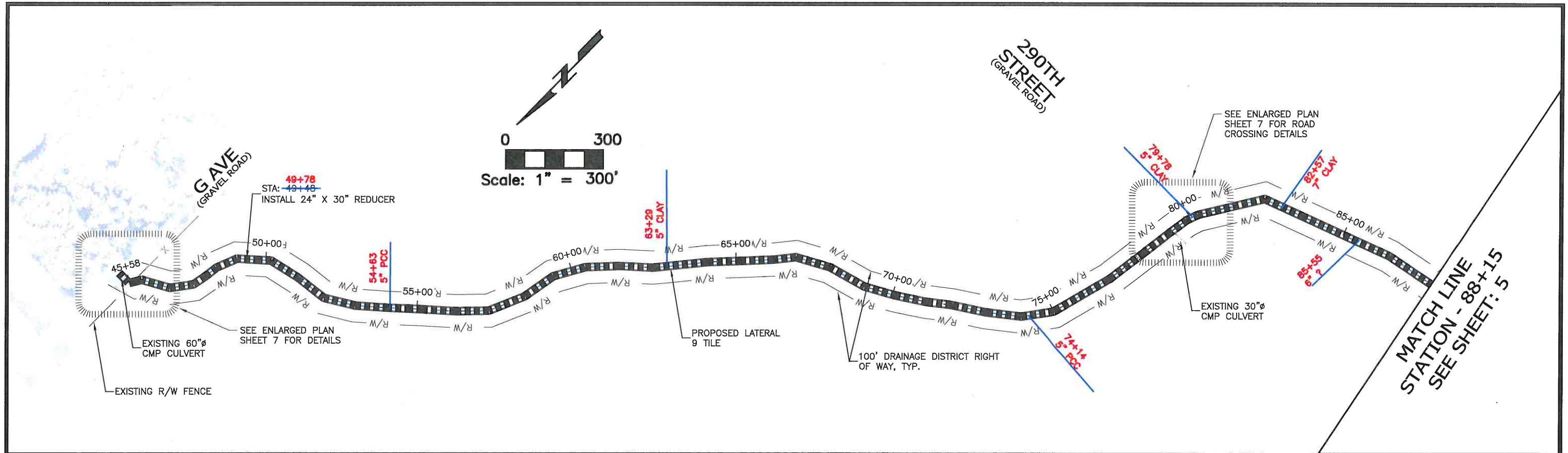
26. The contractor used ADS "Tap Tees" instead of ADS "Inserta-Tees" for private tile connections. This resulted in a decrease of \$1500.00.
27. The Contractor crushed the existing Lateral tiles in place instead of removing them from the site. This resulted in a decrease of \$4,313.50.

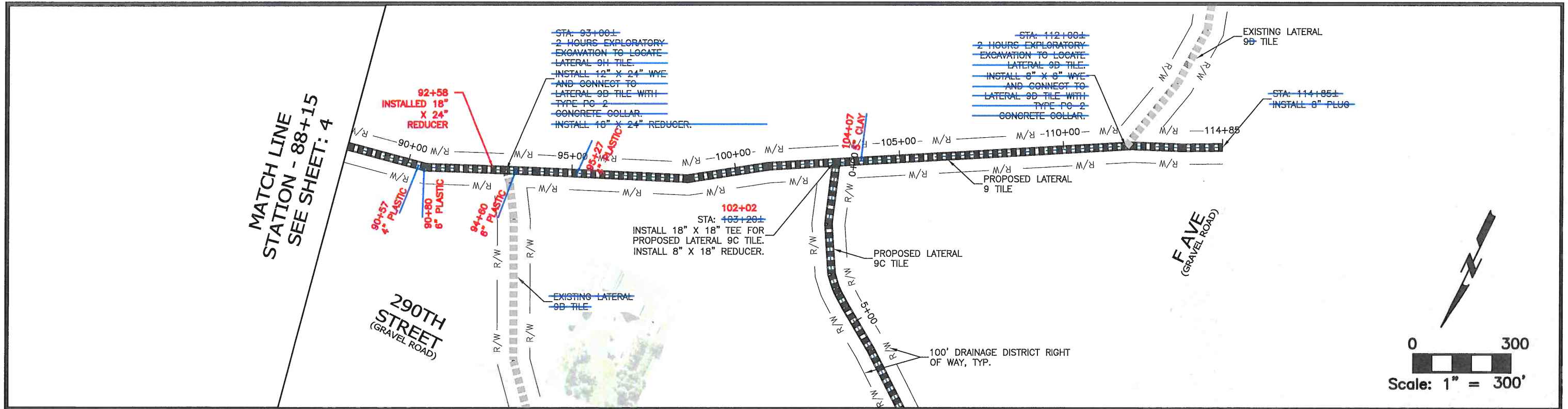
FINAL PROJECT COSTS: - The final project costs for construction (for reference see final pay estimate included in Appendix N) and engineering (not including reports or reclassification) are estimated at \$422,893.14 which is approximately \$38,000 above those presented at the aforementioned hearing. These costs may vary depending upon any damage claims brought forth at the completion hearing. Pending no claims, the costs are as detailed below:

| Lateral | Project as bid by Contractor | \$356,318.11 |
|----------------|---|---------------------|
| Lateral 9 | Increase in 30" Ø PP Tile (Item #1 above) | +\$911.40 |
| Lateral 9 | Decrease in 24" Ø PP Tile (Item #2 above) | -\$2,037.94 |
| Lateral 9 | Decrease in 18" Ø PP Tile (Item #3 above) | -\$1,861.09 |
| Lateral 9 | Increase in 8" Ø PP Tile (Item #4 above) | +\$218.31 |
| Lateral 9 | Decrease in 12"x24" PP Wye (Item #5 above) | -\$725.90 |
| Lateral 9 | Decrease in 8"x8" HDPE Wye (Item #6 above) | -\$135.77 |
| Lateral 9 | Increase in Private Tile Connections (Item #7 above) | +\$897.66 |
| Lateral 9 | Decrease in Road Ditch Grading (Item #8 above) | -\$500.00 |
| Lateral 9 | Increase in Exploratory Excavation (Item #9 above) | +\$600.00 |
| Lateral 9 | Decrease in Tile Removal (Item #10 above) | -\$26.20 |
| Lateral 9 | Decrease in Permanent Seeding (Item #11 above) | -\$400.00 |
| Lateral 9C | Decrease in 18" Ø PP Tile (Item #12 above) | -\$531.75 |
| Lateral 9C | Decrease in 12" Ø PP Tile (Item #13 above) | -\$144.81 |
| Lateral 9C | Decrease in Concrete Collars (Item #14 above) | -\$657.22 |
| Lateral 9C | Decrease in Private Tile Connection (Item #15 above) | -\$291.80 |
| Lateral 9C | Decrease in Road Ditch Grading (Item #16 above) | -\$500.00 |
| Lateral 9C | Decrease in Tile Removal (Item #17 above) | -\$78.60 |
| Lateral 9C | Increase in Intake Removal (Item #18 above) | +\$303.70 |
| Lateral 9C | Increase in Locating Existing Lateral Tile (Item #19 above) | +\$1.80 |
| Lateral 9A | Decrease in 18" Ø RCP Tile (Item #20 above) | -\$216.88 |
| Lateral 9A | Increase in 24" Ø CMP Tile (Item #21 above) | +\$188.30 |
| Lateral 9A | Decrease in 8"x18" RCP Tee (Item #22 above) | -\$626.92 |
| Lateral 9A | Decrease in Concrete Collar (Item #23 above) | -\$328.61 |
| Lateral 9A | Decrease in Tile Removal (Item #24 above) | -\$22.50 |
| Lateral 9A | Decrease in Permanent Seeding (Item #25 above) | -\$400.00 |
| All | Decrease from "Inserta-Tee" Substitution (Item #26 above) | -\$1,500.00 |
| All | Decrease from Tile Crushing Substitution (Item #27 above) | -\$4,313.00 |
| | Engineering | +\$78,753.35 |
| | TOTAL PROJECT COST | \$422,893.14 |

The total cost is above those contained in the revised Engineer's Report as well as what was presented at the second public hearing. However, it should be noted that the amount of repair also exceeded that presented at the above mentioned hearing as none of the work included on Lateral 9A was part of the public hearings. 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 O). After the completion hearing, final payment needs to be authorized by the Trustees is shown on the final pay estimate and the applicable highway authorities should be invoiced for the applicable cost of road crossings (highlighted orange 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.

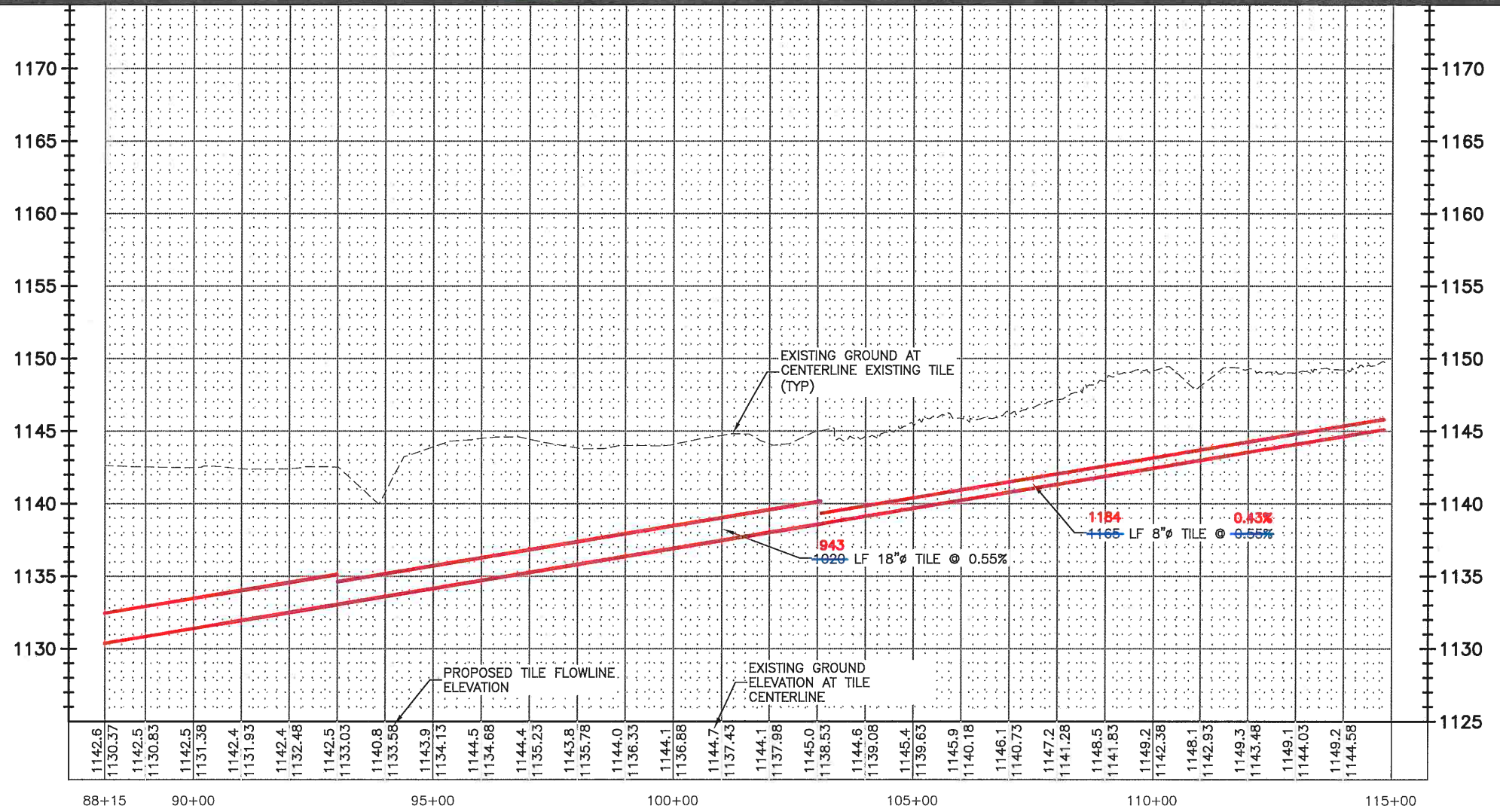
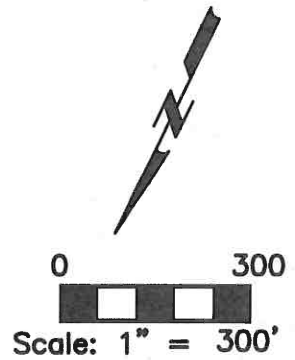


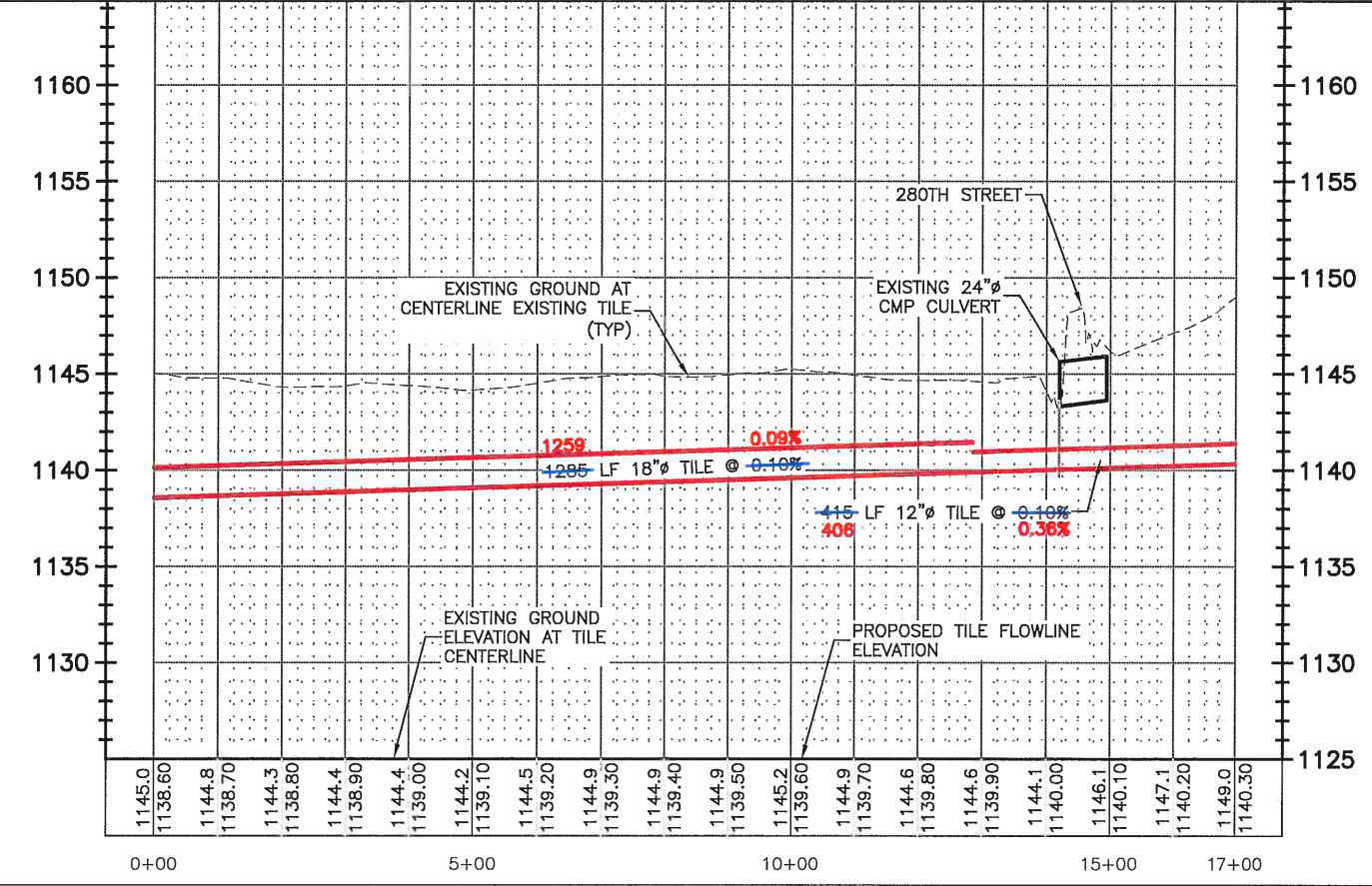
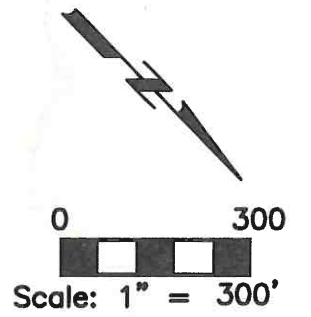
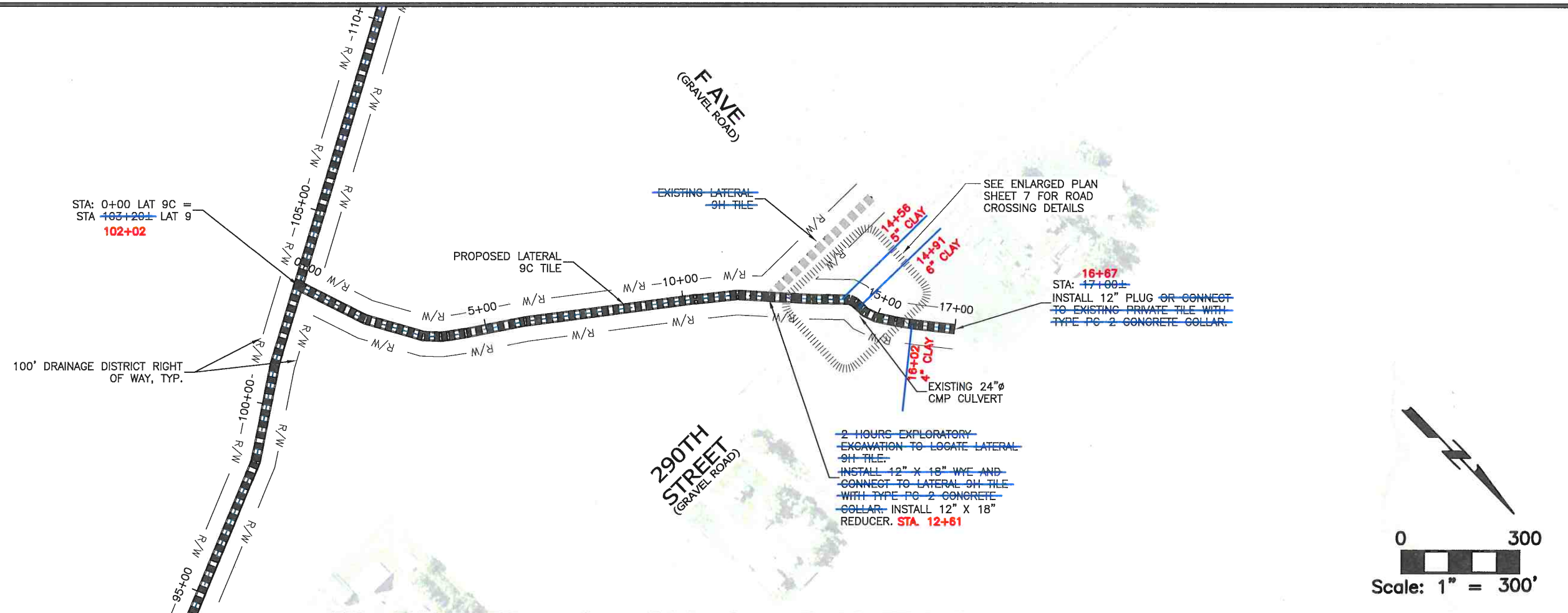


MATCH LINE
STATION - 88+15
SEE SHEET: 4

290TH STREET
(GRAVEL ROAD)

FAVE
(GRAVEL ROAD)





| | | |
|--|------------------|------------|
| DRAWN BY: MAH | APPROVED BY: LOG | REVISIONS: |
| DATE: JAN 11, 2017 | PROJ. NO.: 6636 | |
| FIELD BK: P:\6636\CADD\CDS\AS BUILT\DIV 3 LAT 9C ASBUILT.DWG; 8/2/2018 | | |

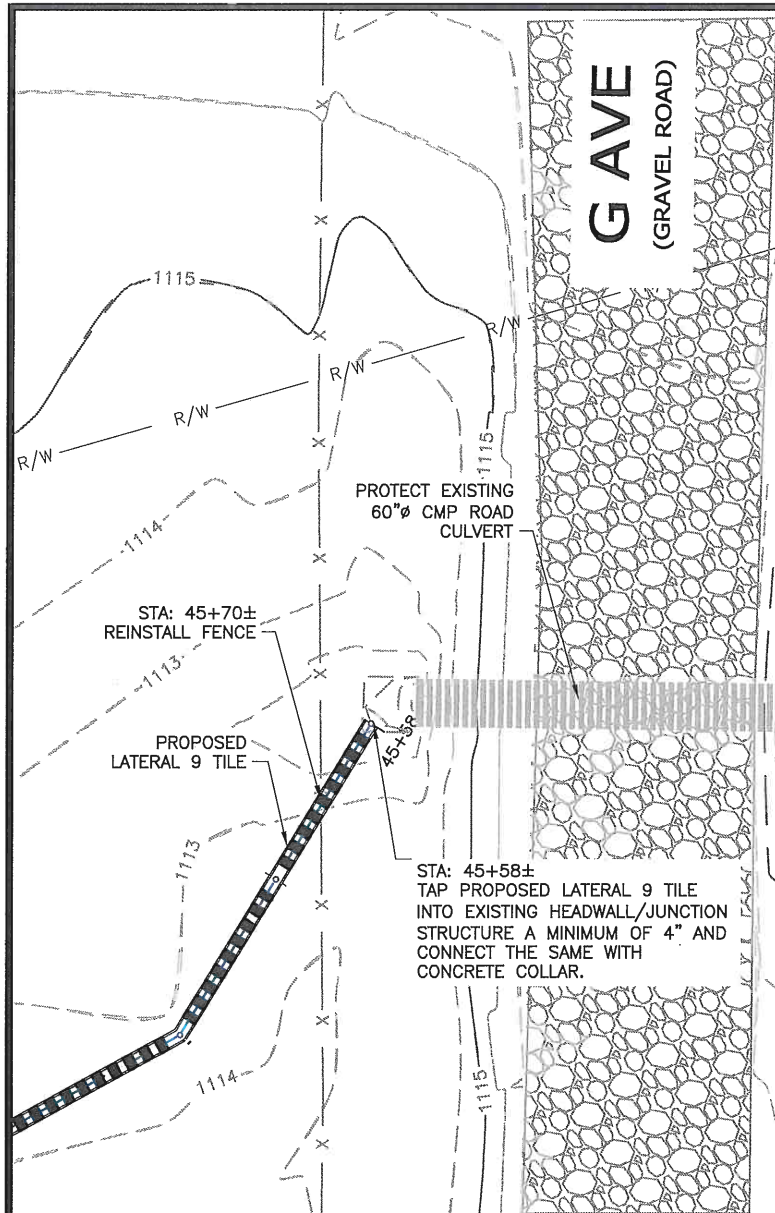
CGA
Clapsaddle-Garber Associates, Inc
Main Office: 16 East Main Street
Marshalltown, Iowa 50158
Ph 641-752-8701
www.cgaconsultants.com

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

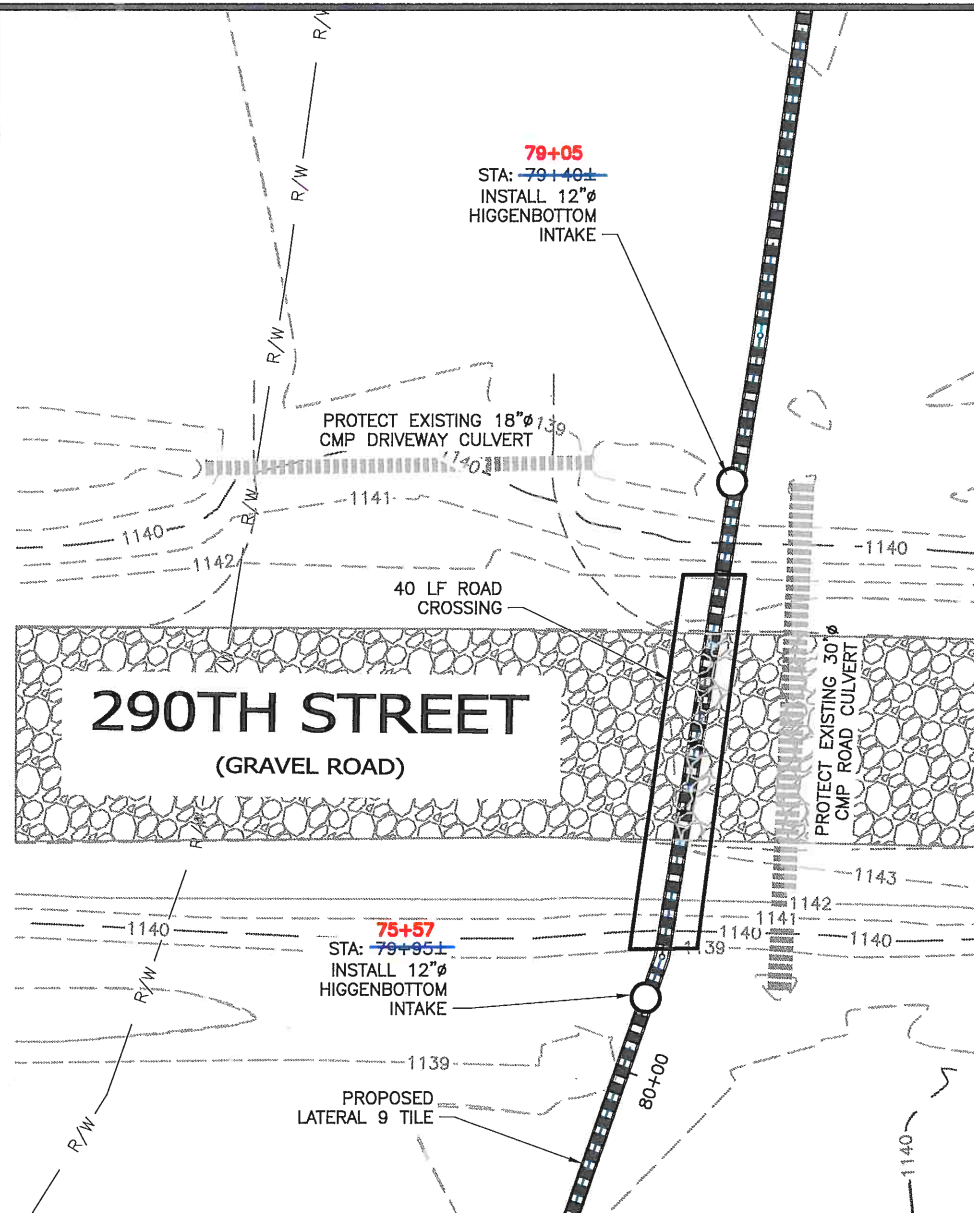
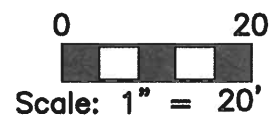
PROJECT:
**IMPROVEMENTS TO LAT 9 AND 9C DIV 3 DD 55
CITY OF HARDIN COUNTY, IOWA
2017**

SHT. NAME:
**LATERALS 9 AND 9C TILE IMPROVEMENTS
LATERAL 9C - STA 0+00 - 17+00
AS BUILT**

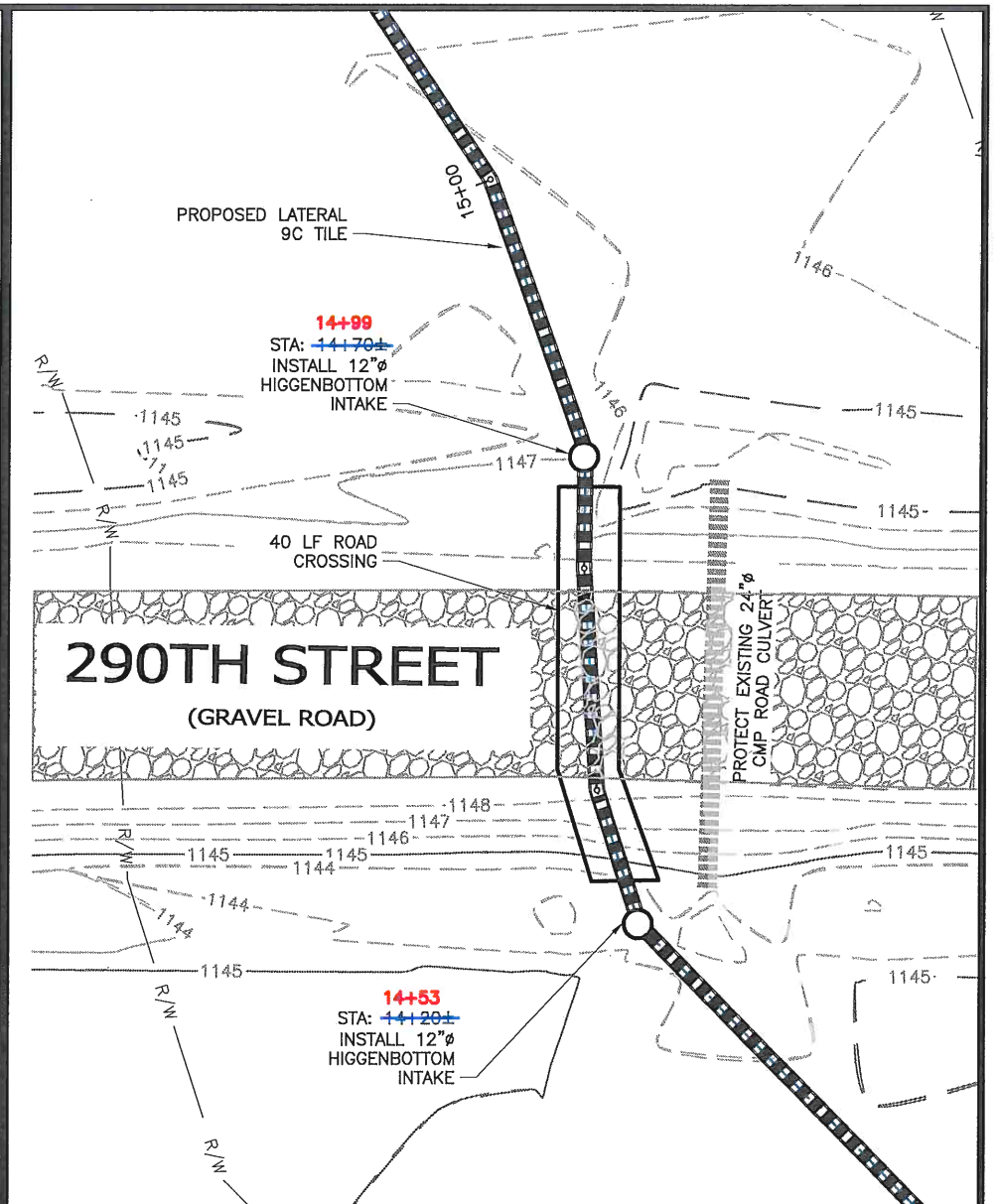
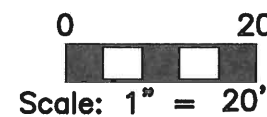
SHT. NO.:
6 OF 8



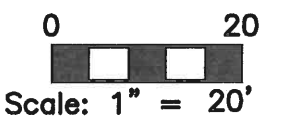
**LATERAL 9 TILE
AT G AVE**



**LATERAL 9 TILE AT
290TH STREET
CROSSING**



**LATERAL 9C TILE
AT 290TH STREET
CROSSING**



| | | |
|--|------------------|------------|
| DRAWN BY: MAH | APPROVED BY: LOG | REVISIONS: |
| DATE: JAN 11, 2017 | PROJ. NO.: 6636 | |
| FIELD BK: P:\6636\CADD\CDS\AS BUILT\DIV 3 LAT 9C ASBUILT.DWG; 8/2/2018 | | |



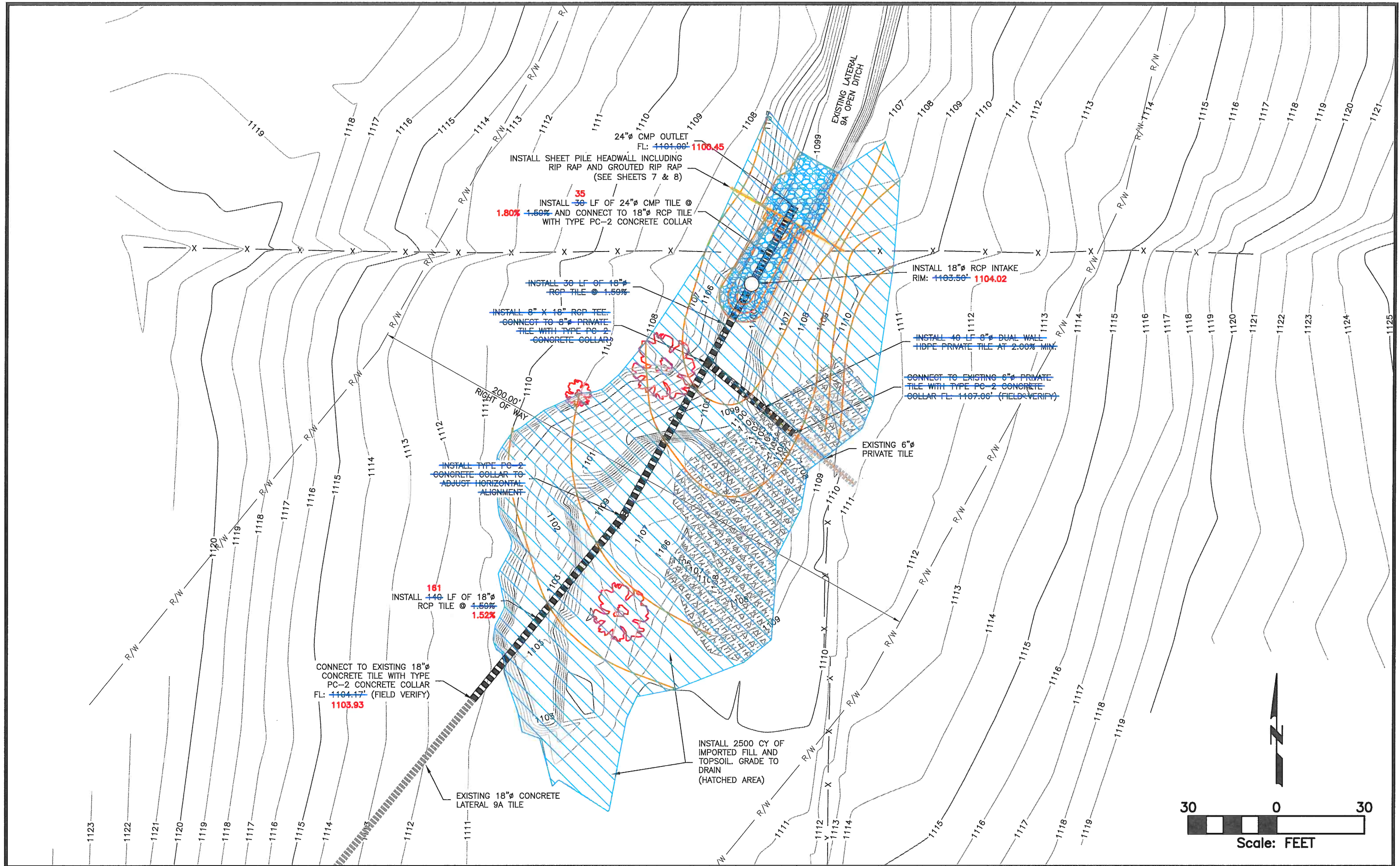
Clapsaddle-Garber Associates, Inc
Main Office: 16 East Main Street
Marshalltown, Iowa 50158
Ph 641-752-6701
www.cgaconsultants.com

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

PROJECT:
IMPROVEMENTS TO LAT 9 AND 9C DIV 3 DD 55
CITY OF HARDIN COUNTY, IOWA
2017

SHT. NAME:
LATERALS 9 AND 9C TILE IMPROVEMENTS
ENLARGED ROAD CROSSINGS
AS BUILT

SHT. NO.:
7 OF 8



| | | |
|--|-------------------|------------|
| DRAWN BY: ZJS | APPROVED BY: LOG | REVISIONS: |
| DATE: 01/20/2017 | PROJ. NO.: 6636.1 | |
| FIELD BK: - | | |
| P:\6636.1\CADD\CDS\ASBUILT\6636_1 - PLAN ASBUILT.DWG; 8/2/2018 | | |

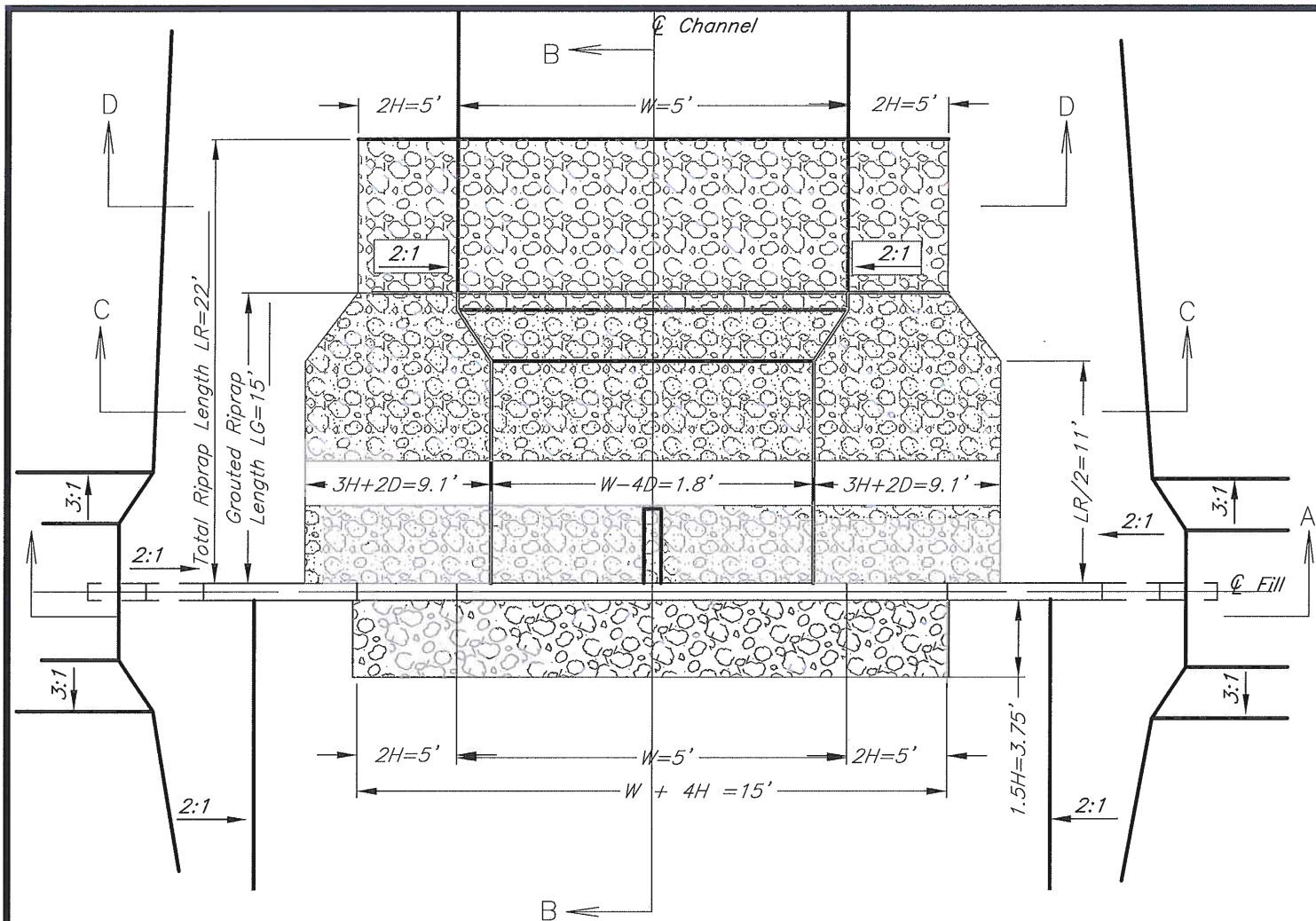
CGA
 Clapsaddle-Garber Associates, Inc
 Main Office: 16 East Main Street
 Marshalltown, Iowa 50158
 Ph 641-752-6701
 www.cgaconsultants.com

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

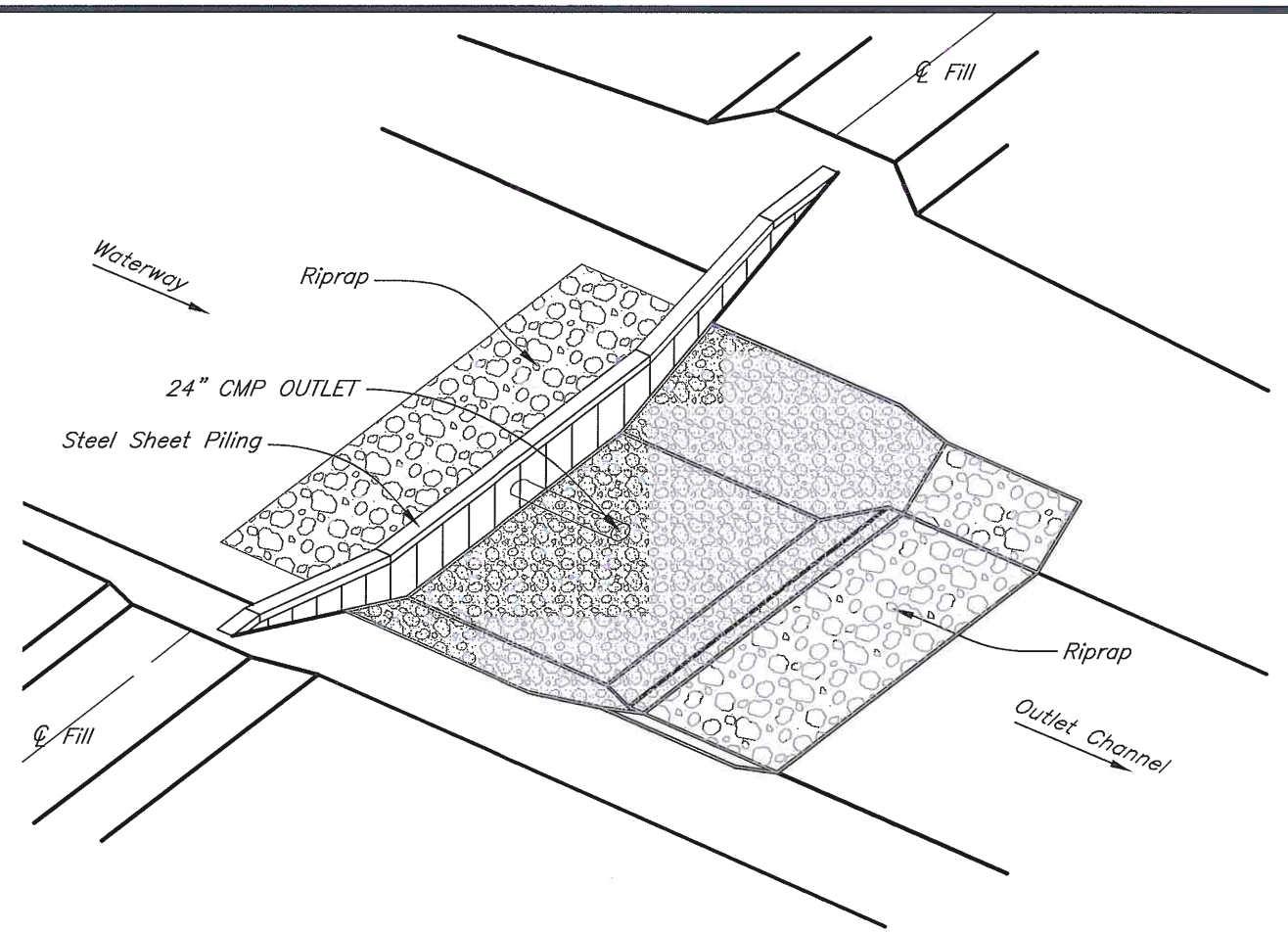
PROJECT:
**OUTLET REPAIRS TO LAT 9A DIV 3 DD 55
 HARDIN COUNTY, IOWA
 2017**

SHT. NAME:
INSTALLATION AND GRADING PLAN AS BUILT

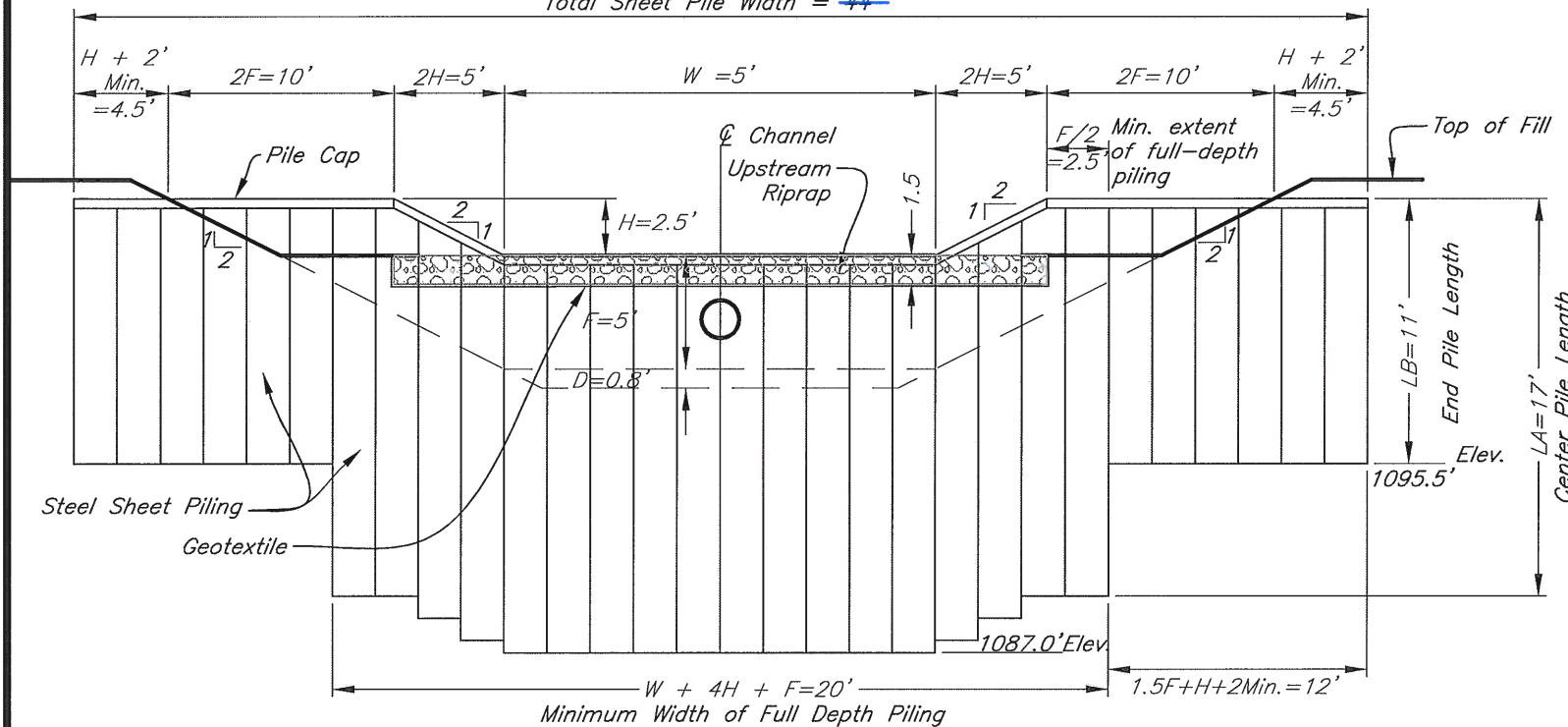
SHT. NO.:
4 OF 7



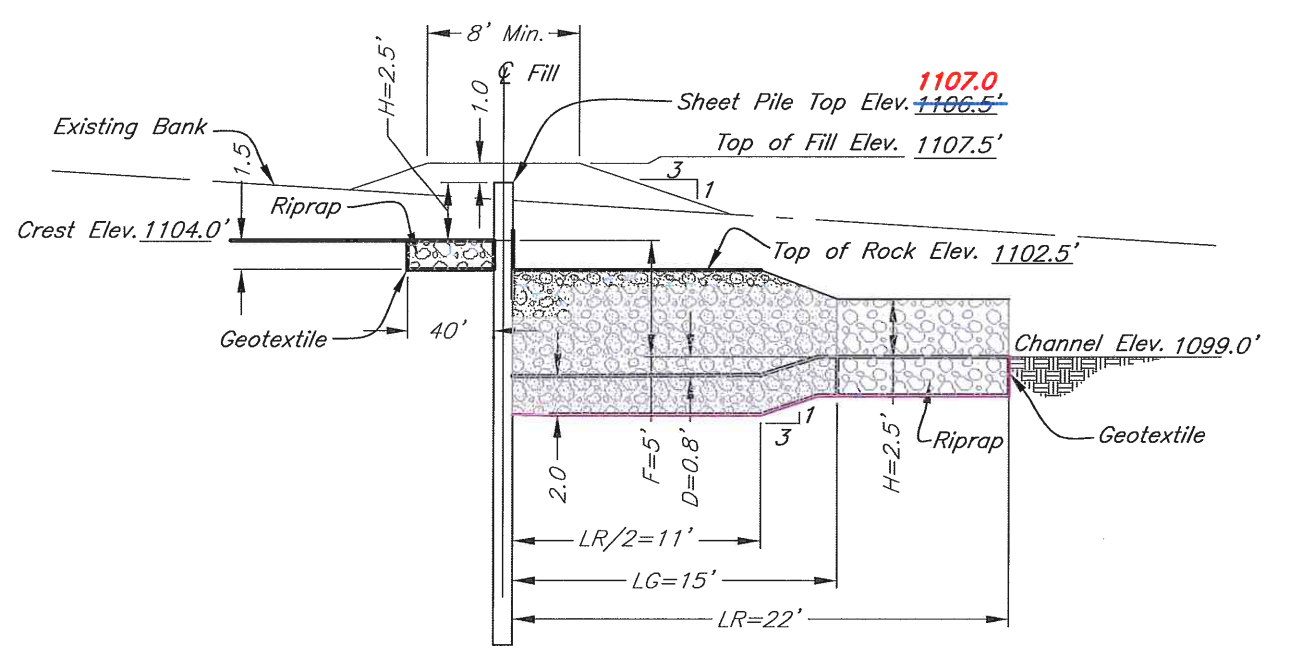
PLAN VIEW
Total Sheet Pile Width = ~~44'~~ ^{45'}



ISOMETRIC VIEW



SECTION A-A



SECTION B-B

| | | |
|--|-------------------|------------|
| DRAWN BY: ZJS | APPROVED BY: LOG | REVISIONS: |
| DATE: 01/20/2017 | PROJ. NO.: 6636.1 | |
| FIELD BK: P:\6636.1\CADD\CDS\ASBUILT\6636_1 - DETAILS - SHEET PILE ASBUILT.DWG; 8/2/2018 | | |



Clapsaddle-Garber Associates, Inc
Main Office: 16 East Main Street
Marshalltown, Iowa 50158
Ph 641-752-8701
www.cgaconsultants.com

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

PROJECT:
OUTLET REPAIRS TO LAT 9A DIV 3 DD 55
HARDIN COUNTY, IOWA
2017

SHT. NAME:
DETAILS - SHEET PILE HEADWALL AS BUILT

SHT. NO.:
6 OF 7

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 | 0.200 | 0.0 | 0.0 |
| 3 | 0.5 | 10.0 | 7.0 | 0.200 | 0.0 | 0.0 |
| 4 | 0.7 | 11.0 | 9.0 | 0.200 | 2.0 | 3.3 |
| 5 | 0.8 | 17.0 | 11.0 | 0.250 | 4.4 | 8.1 |
| 6 | 1.0 | 22.0 | 14.0 | 0.250 | 8.2 | 20.1 |

STRUCTURE DIMENSIONS

| | | |
|---------------------------------------|------------------|----|
| Fall = F = | 5 | ft |
| Weir Notch Height = H = | 2.5 | ft |
| Weir Crest, Channel Width = W = | 5 | ft |
| Center Sheet Pile Length = LA = | 17 18 | ft |
| Side Sheet Pile Length = LB = | 11 | ft |
| DS Riprap Length = LR = | 22 | ft |
| Grouted Riprap Length = LG = | 15 | ft |
| Riprap Basin Depth = D = | .8 | ft |
| Est. tailwater at design storm = TW = | 3.25 | ft |

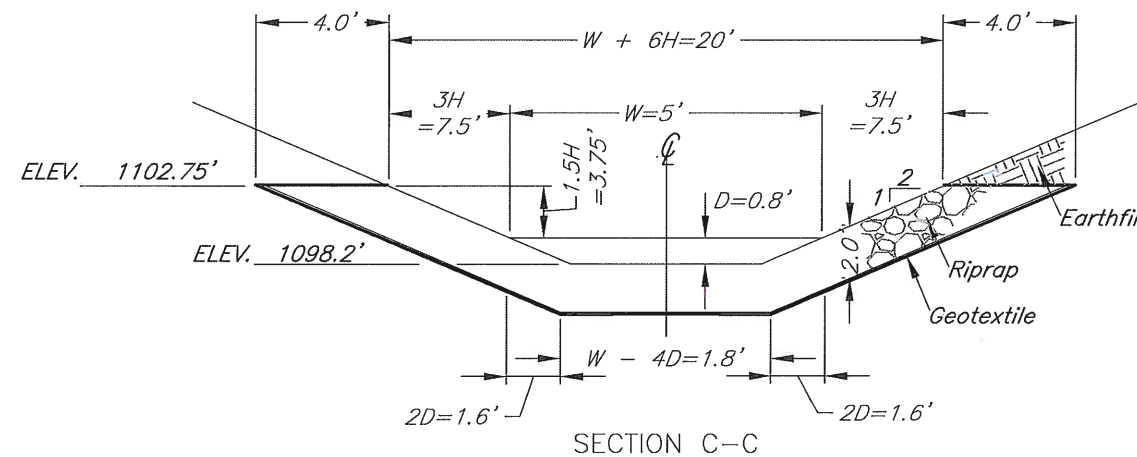
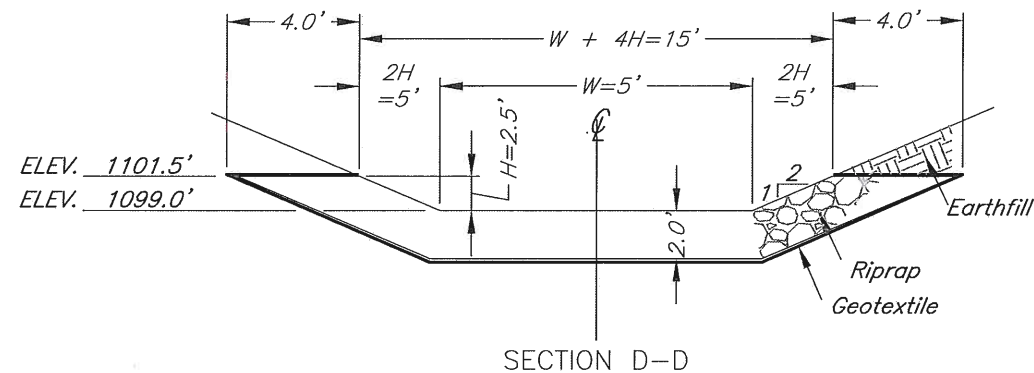
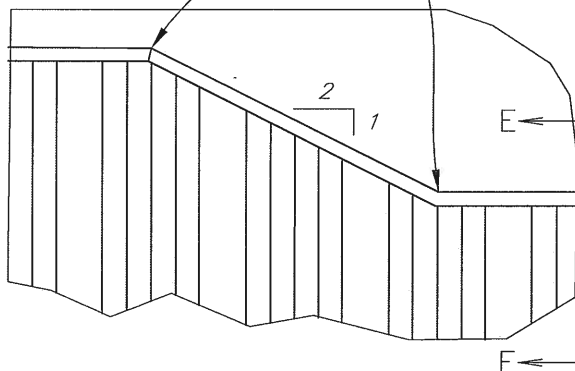
DOWNSTREAM RIPRAP AND GROUT REQUIREMENTS

| 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 |

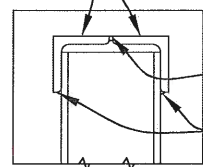
QUANTITY SUMMARY

| Materials | Quantity | Units |
|---|----------|----------|
| Full depth Sheet Piles, <u>17</u> ft long | 340 | Sq. Ft. |
| Side Sheet Piles, <u>11</u> ft long | 264 | Sq. Ft. |
| Angle Iron for pile cap | 45 | Lin. Ft. |
| Riprap | 41 | Cu. Yd. |
| Grouted Riprap | 22 | Cu. Yd. |
| Geotextile | 150 | Sq. Yd. |

Miter cut and weld pile cap at trapezoidal weir corners



Steel angles for pile cap, see Construction Note 3.



Continuous butt weld

Fillet weld steel angles to each piece of sheet pile

SECTION E-E

NOTES

CONSTRUCTION:

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

PAY ESTIMATE NO. 6 (FINAL)

Drainage District No. 55 Laterals 9 and 9C tiles, Division 3

(Project No. 6636.1 & 6636)

10/11/2018

CONTRACTOR

Hands On Excavating
12676 290th Street
Radcliffe, Ia 50230

OWNER

Trustees of Drainage District #55
Hardin County Courthouse
1215 Edgington Ave., Suite 1
Eldora, Iowa 50627

ENGINEER

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

DIVISION 9 BASE BID

| Item No. | Description | Estimated Quantity | Unit | Installed Quantity | Unit Price | Extended Price |
|----------|---|--------------------|------|--------------------|-------------|----------------|
| 1 | 30" Ø Polypropylene Tile | 400 | LF | 420 | \$ 45.57 | \$ 19,139.40 |
| 2 | 24" Ø Polypropylene Tile | 4342 | LF | 4280 | \$ 32.87 | \$ 140,683.60 |
| 3 | 18" Ø Polypropylene Tile | 1020 | LF | 943 | \$ 24.17 | \$ 22,792.31 |
| 4 | 8" Ø HDPE Dual Wall Tile | 1165 | LF | 1184 | \$ 11.49 | \$ 13,604.16 |
| 5 | 24" Ø Polypropylene Tile Road Crossing | 40 | LF | 40 | \$ 233.19 | \$ 9,327.60 |
| 6 | 12" X 24" Polypropylene Wye | 1 | EA | | \$ 725.90 | \$ - |
| 7 | 18" X 18" Polypropylene Tee | 1 | EA | 1 | \$ 702.30 | \$ 702.30 |
| 8 | 8" X 8" HDPE Dual Wall Wye | 1 | EA | | \$ 135.77 | \$ - |
| 9 | 8" HDPE Dual Wall Plug | 1 | EA | 1 | \$ 66.44 | \$ 66.44 |
| 10 | 24" X 30" Polypropylene Eccentric Reducer | 1 | EA | 1 | \$ 768.74 | \$ 768.74 |
| 11 | 18" X 24" Polypropylene Eccentric Reducer | 1 | EA | 1 | \$ 536.07 | \$ 536.07 |
| 12 | 8" X 18" Polypropylene Eccentric Reducer | 1 | EA | 1 | \$ 302.62 | \$ 302.62 |
| 13 | Type PC-2 Concrete Collar | 2 | EA | 2 | \$ 336.71 | \$ 673.42 |
| 14* | Private Tile Connection (with tap tees) | 10 | EA | 13 | \$ 299.22 | \$ 3,889.86 |
| 15 | 12" Ø Hickenbottom Intake | 2 | EA | 2 | \$ 788.73 | \$ 1,577.46 |
| 16 | Tap Existing Headwall/Junction Structure | 1 | LOC | 1 | \$ 1,340.73 | \$ 1,340.73 |
| 17 | Road Ditch Grading | 4 | STA | 2 | \$ 250.00 | \$ 500.00 |
| 18 | Exploratory Excavation | 4 | HR | 7.75 | \$ 160.00 | \$ 1,240.00 |
| 19* | Tile Removal (crush in place) | 6927 | LF | 6917 | \$ 2.62 | \$ 18,122.54 |
| 20 | Permanent Seeding | 0.4 | AC | 0.2 | \$ 2,000.00 | \$ 400.00 |
| 21 | Seeding Warranty | 1 | LS | 1 | \$ 200.00 | \$ 200.00 |
| 22 | Traffic Control | 1 | LS | 1 | \$ 250.00 | \$ 250.00 |
| 23 | Locate Existing Lateral Tile | 69.27 | STA | 69.27 | \$ 30.00 | \$ 2,078.10 |

DIVISION 9C BASE BID

| | | | | | | |
|------|---|------|-----|------|-------------|--------------|
| 101 | 18" Ø Polypropylene Tile | 1285 | LF | 1260 | \$ 21.27 | \$ 26,800.20 |
| 102 | 12" Ø Polypropylene Tile | 415 | LF | 406 | \$ 16.09 | \$ 6,532.54 |
| 103 | 12" Ø Polypropylene Tile Road | 40 | LF | 40 | \$ 147.67 | \$ 5,906.80 |
| 104 | 12" X 18" Polypropylene Wye | 1 | EA | 1 | \$ 497.76 | \$ 497.76 |
| 105 | 12" Polypropylene Plug | 1 | EA | 1 | \$ 31.14 | \$ 31.14 |
| 106 | 12" X 18" Polypropylene Eccentric | 1 | EA | 1 | \$ 278.56 | \$ 278.56 |
| 107 | Type PC-2 Concrete Collar | 2 | EA | | \$ 328.61 | \$ - |
| 108* | Private Tile Connection (with tap tees) | 5 | EA | 4 | \$ 291.80 | \$ 1,167.20 |
| 109 | 12" Ø Hickenbottom Intake | 2 | EA | 2 | \$ 756.53 | \$ 1,513.06 |
| 110 | Road Ditch Grading | 4 | STA | 2 | \$ 250.00 | \$ 500.00 |
| 111 | Exploratory Excavation | 2 | HR | 2 | \$ 160.00 | \$ 320.00 |
| 112* | Tile Removal (crush in place) | 1700 | LF | 1670 | \$ 2.62 | \$ 4,375.40 |
| 113 | Intake Removal | 1 | EA | 3 | \$ 151.85 | \$ 455.55 |
| 114 | Permanent Seeding | 0.3 | AC | 0.3 | \$ 2,000.00 | \$ 600.00 |
| 115 | Seeding Warranty | 1 | LS | 1 | \$ 200.00 | \$ 200.00 |
| 116 | Traffic Control | 1 | LS | 1 | \$ 250.00 | \$ 250.00 |

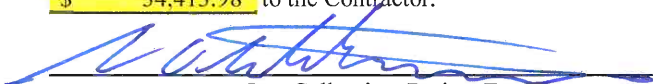


| | | | | | | |
|-----|------------------------------|----|-----|-------|----------|-----------|
| 117 | Locate Existing Lateral Tile | 17 | STA | 17.06 | \$ 30.00 | \$ 511.80 |
|-----|------------------------------|----|-----|-------|----------|-----------|

DIVISION 9A BID

| | | | | | | |
|-----|----------------------------------|------|----|------|-------------|--------------|
| 201 | 18" Ø RCP Tile | 170 | LF | 162 | \$ 27.11 | \$ 4,391.82 |
| 202 | 24" Ø CMP Tile | 30 | LF | 35 | \$ 37.66 | \$ 1,318.10 |
| 203 | 8" Ø HDPE Dual Wall Tile | 40 | LF | 40 | \$ 11.41 | \$ 456.40 |
| 204 | 8" X 18" RCP Tee | 1 | EA | | \$ 626.92 | \$ - |
| 205 | Type PC-2 Concrete Collar | 5 | EA | 4 | \$ 328.61 | \$ 1,314.44 |
| 206 | 18" Ø RCP Intake | 1 | EA | 1 | \$ 526.75 | \$ 526.75 |
| 207 | Sheet Pile Headwall | 604 | SF | 604 | \$ 36.88 | \$ 22,275.52 |
| 208 | Riprap | 41 | CY | 41 | \$ 56.22 | \$ 2,305.02 |
| 209 | Grouted Riprap | 22 | CY | 22 | \$ 177.79 | \$ 3,911.38 |
| 210 | Imported Fill and Topsoil | 2500 | CY | 2500 | \$ 5.88 | \$ 14,700.00 |
| 211 | Tile Removal | 85 | LF | 70 | \$ 1.50 | \$ 105.00 |
| 212 | Tree Removal | 1 | LS | 1 | \$ 2,500.00 | \$ 2,500.00 |
| 213 | Debris, Junk, and Rubble Removal | 4000 | SF | 4000 | \$ 0.30 | \$ 1,200.00 |
| 214 | Permanent Seeding | 0.6 | AC | 0.4 | \$ 2,000.00 | \$ 800.00 |
| 215 | Seeding Warranty | 1 | LS | 1 | \$ 200.00 | \$ 200.00 |

I have reviewed the work claimed to be completed by the Contractor as reflected above and recommend payment of \$ 34,413.98 to the Contractor.



Lee Gallentine, Project Engineer

| | |
|------------------------------|---------------|
| TOTAL WORK COMPLETED TO DATE | 344,139.79 |
| 10% RETENTION | \$ - |
| AMOUNT DUE LESS RETENTION | \$ 344,139.79 |
| PREVIOUSLY PAID | \$ 309,725.81 |
| AMOUNT DUE AT THIS TIME | \$ 34,413.98 |

* - Approved as part of Change Order #1

Notes: For pay estimate #1, the entire payment was for Lateral 9
 For pay estimate #2, the entire payment was for Lateral 9
 For pay estimate #3, \$22,300.49 was for Lateral 9 and \$44,096.73 was for Lateral 9C
 For pay estimate #4, \$59.80 was for Lateral 9; \$450.00 was for Lateral 9C; and \$50,403.98 was for Lateral 9A
 For pay estimate #5, \$538.60 was for Lateral 9; \$399.28 was for Lateral 9C; and \$0 was for Lateral 9A
 For pay estimate #6, \$23,819.54 was for Lateral 9; \$4,994.00 was for Lateral 9C; and \$5,600.44 was for Lateral 9A



UNCONDITIONAL WAIVER AND RELEASE UPON PAYMENT

TO WHOM IT MAY CONERN:

Whereas the undersigned Hardin County

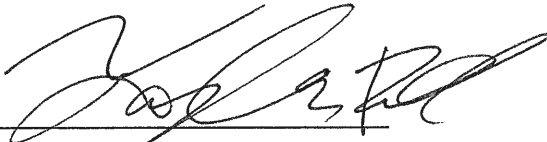
has been paid and has received payment in full for labor, services, equipment and/or material furnished to Hands On Excavating LLC for the job know as D.D. 55 Outlet Repair and Tile

Replacement located in the city/county of Radcliffe, 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 28th day of December, 2017

Company: Hardin County Engineer

By: 
(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

UNCONDITIONAL WAIVER AND RELEASE UPON PAYMENT

TO WHOM IT MAY CONERN:

Whereas the undersigned Concrete Inc.

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 D.D. 55 Outlet Repair and Tile

Replacement located in the city/county of Radcliffe,
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 18th day of December, 2017

Company: Concrete Inc

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**

UNCONDITIONAL WAIVER AND RELEASE UPON PAYMENT

TO WHOM IT MAY CONERN:

Whereas the undersigned

Behrer Drums INC

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 D.D. 55 Outlet Repair and Tile Replacement located in the city/county of Radcliffe, 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 18th day of December, 2017

Company: Behrer Drums INC

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**

UNCONDITIONAL WAIVER AND RELEASE UPON PAYMENT

TO WHOM IT MAY CONERN:

Whereas the undersigned Fowler

has been paid and has received payment in the amount of \$ 3684.57 for labor, services, equipment and/or material furnished to Hands On Excavating LLC for the job know as D.D. 55 Outlet Repair and Tile Replacement located in the city/county of Radcliffe, 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 12 day of December, 2019

Company: Fowler

By: [Signature]
(Signature)

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

**Please Return to:
Hands On Excavating LLC
12676 290th ST
Radcliffe, Ia 50230**

UNCONDITIONAL WAIVER AND RELEASE UPON PAYMENT

TO WHOM IT MAY CONERN:

Whereas the undersigned Midwest Pipe Supply, Inc.

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 D.D. 55 Outlet Repair and Tile Replacement located in the city/county of Radcliffe, 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 10 day of January, ~~2017~~ 2018

Company: Midwest Pipe Supply, Inc.

By: Windy S. Pava, Officer
(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

UNCONDITIONAL WAIVER AND RELEASE UPON PAYMENT

TO WHOM IT MAY CONERN:

Whereas the undersigned Contractors Solutions

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 D.D. 55 Outlet Repair and Tile Replacement located in the city/county of Radcliffe, 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 22 day of January, 2017

Company: Contractor Solutions

By: Joedi Demuy
(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**