

**AGENDA
REGULAR DRAINAGE MEETING
FEBRUARY 14, 2018 AT 8:30 AM**

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

Documents:

[1_24_2018 - DRAINAGE MINUTES.PDF](#)

4. Approve Claims For Payment

Pay Date of Friday, February 16, 2018

Documents:

[DRAINAGE CLAIM EDIT LISTING.6788001.PDF](#)

5. DD 72 - Discuss, With Possible Action, Contractor Updates
6. DD 78 - Approve Claim For Damages #13 For Robert McCollom

Documents:

[DD 78 CLAIM FOR DMGS 13.PDF](#)

7. DD 22 - Discuss Current Projects And Set Landowner Meeting

Documents:

[DD 22 - ALTERNATIVES FOR COMBINED MAIN AND SUPPLEMENTAL TILE PROJECT_REDUCED.PDF](#)

8. DD 22 - Discuss, With Possible Action, Updates Regarding Work Order #198
9. DD 143 - Discuss, With Possible Action, Road Crossing Authority
10. Discuss, With Possible Action, Reclassification Commission Rates
11. Acknowledge Receipt Of CGA 2018 Rate Schedule

Documents:

[DRAINAGE HOURLY RATES 2018 - RYKEN AND CGA COMPARISON.PDF](#)
[HOURLY TITLES AND RATES.PDF](#)

12. Other Business

13. Adjourn Meeting

REGULAR DRAINAGE MEETING

1/24/2018 - Minutes

1. Open Meeting
Hardin County Board of Supervisors Chairman, BJ Hoffman, opened the meeting. Also present were Hardin County Supervisors, Lance Granzow and Renee McClellan; Residents, Jerry Kramer and Aaron Budweg; Lee Gallentine and James Sweeney with Clapsaddle-Garber Associates (CGA); Deputy Auditor, Nancy Lauver.
2. Approve Agenda
McClellan moved, Granzow seconded to approve the agenda as presented. All ayes. Motion carried.
3. Approve Minutes Of January 10, 2018 Regular Drainage Meeting
Granzow moved, McClellan seconded to approve the minutes of the January 10, 2018 regular drainage meeting. All ayes. Motion carried.
4. Approve Claims For Payment

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

DD 1 Gehrke Inc. 22386.38
DD 72 The Davis Brown Law Firm 1375.00
DD 72 M D Construction, Inc 18153.00
DD 77 Williams Excavation LLC 2012.80
DD 78 Clapsaddle-Garber Assoc 2637.50
DD 98 Clapsaddle-Garber Assoc 955.00
DD 133 Clapsaddle-Garber Assoc 654.30
5. DD 122 & DD 8 - Approve Change Order #1
McClellan moved, Granzow seconded to approve Change Order #1 with Cole Excavating increasing the contract by \$3,743.60 due to different materials and size of tile used. All ayes. Motion carried.
6. DD 78 - Approve Claim For Damages #13 For Bob McCollom
Granzow moved, McClellan seconded to table any action regarding Claim for Damages #13 for Bob McCollom in the amount of \$1,375.55. All ayes. Motion carried.
7. DD 143 - Acknowledge Receipt Of Completion Report And Set Hearing Date
Granzow moved, McClellan seconded to acknowledge receipt of the Completion Report on Repairs to Main Tile dated January 24, 2018 and to set the hearing date as Wednesday, February 14, 2018 at 11:00 a.m in the large conference room of the Hardin County Courthouse. All ayes. Motion carried.
8. DD 1 - Acknowledge Receipt Of Completion Report And Set Hearing Date
McClellan moved, Granzow seconded to acknowledge receipt of the Completion Report on Repairs to Main Tile, Outlet and Waterway Main Tile dated January 23, 2018 and to set the hearing date as Wednesday, March 7, 2018 at 11:00 a.m. in the large conference room of the Hardin County Courthouse. All ayes. Motion carried.
9. DD 1 - Approve Reclassification Report And Set Hearing Date
McClellan moved, Granzow seconded to acknowledge receipt of the Reclassification Commission Report for Main dated January 17, 2018 and to set the hearing date as Wednesday, March 7, 2018 at 11:30 a.m. in the large conference room of the Hardin County Courthouse. All ayes. Motion carried.
10. DD 72 - Approve Reclassification Report And Set Hearing Date
Granzow moved, McClellan seconded to acknowledge receipt of the Reclassification Commission Report for Main dated January 17, 2018 and to set the hearing date as March 7, 2018 at 2:00 p.m. in the large conference room of the Hardin County Courthouse. All ayes. Motion carried.
11. DD 72 - Discuss, With Possible Action, Contractor Updates
The current status of the project was discussed. No action taken.

12. DD 123 - Discuss, With Possible Action, Repair Summary For Work Order #188
Granzow moved, McClellan seconded to bid project with DD 77 Work Order #193 and DD 41 Work Order #194. All ayes. Motion carried.
13. DD 77 - Discuss, With Possible Action, Repair Summary For Work Order #193
Granzow moved, McClellan seconded to bid project with DD 123 Work Order #188 and DD 41 Work Order #194. All ayes. Motion carried.
14. DD 41 - Discuss, With Possible Action, Repair Summary For Work Order #194
Granzow moved, McClellan seconded to bid project with DD 123 Work Order #188 and DD 77 Work Order #193 and to meet with landowners of DD 41 when open bids. All ayes. Motion carried.
15. Discuss, With Possible Action, Regular Drainage Meetings Scheduled For January 31, 2018 & March 14, 2018
It was discussed that there will be no drainage meetings scheduled for Wednesday January 31, 2018 and Wednesday, March 14, 2018.
16. Other Business
None
17. Adjourn Meeting
McClellan moved, Granzow seconded to adjourn the meeting. All ayes. Motion carried.

Drainage Claim Edit Listing.6788001.txt
 Drainage Accounting Claim Edit Listing

DATE- 2/09/18

Hardin County

Claim#	Vendor#	Vendor Name	Description	Claim Date	Pay Date	Order Date	Deliv Date	Sep War	DNP
0003266	0062302	Clapsaddle-Garber Assoc	DD 22 PLANS 11/18/17-1/20 Seq Ditch Description	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N
			001 51045 DD 22		495.00	36569	1/31/2018	0000176	
0003267	0002925	Cole Excavating	DD 122 PAY EST 2 Seq Ditch Description	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N
			001 51137 DD 122		4,955.65	PAYEST2	2/07/2018	0000160	
0003277	0062302	Clapsaddle-Garber Assoc	DD 143 COMPL HRG SVCS Seq Ditch Description	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N
			001 51157 DD 143		1,436.95	36625	2/07/2018	0000059	
0003278	0062302	Clapsaddle-Garber Assoc	DD86 PLUGGD TILE 12/21-1/ Seq Ditch Description	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N
			001 51114 DD 86		1,565.20	36627	2/08/2018	0000172	
0003279	0062302	Clapsaddle-Garber Assoc	DD 55-3 LAT 9C 11/25-1/31 Seq Ditch Description	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N
			001 51246 DD 55 Div 3 Lat 9C		1,381.90	36626	2/08/2018	0000029	
0003280	0062302	Clapsaddle-Garber Assoc	DD 136 REPAIR 12/21-1/31/ Seq Ditch Description	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N
			001 51150 DD 136		1,307.30	36628	2/08/2018	0000146	
0003281	0062302	Clapsaddle-Garber Assoc	DD 8 REPAIR 12/11/17-1/31 Seq Ditch Description	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N

Drainage Claim Edit Listing.6788001.txt

	001	51020	DD 8			1,072.25	36629		2/08/2018	0000132	
0003282	0062302	Clapsaddle-Garber	Assoc	DD 131 REPAIR 12/21-1/31/	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N	
				Seq Ditch Description		Amount	Vdr Invc#	Vdr Invc Dt		PO#	
	001	51146	DD 131			450.70	36630		2/08/2018	0000166	
0003283	0062302	Clapsaddle-Garber	Assoc	DD 1 COMPL RPT 12/16-1/31	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N	
				Seq Ditch Description		Amount	Vdr Invc#	Vdr Invc Dt		PO#	
	001	51001	DD 1			241.55	36633		2/08/2018	0000091	
0003284	0062302	Clapsaddle-Garber	Assoc	DD 1 COMP RPT 12/21/17-1/	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N	
				Seq Ditch Description		Amount	Vdr Invc#	Vdr Invc Dt		PO#	
	001	51001	DD 1			2,899.85	36634		2/08/2018	0000091	
0003285	0062302	Clapsaddle-Garber	Assoc	DD 41 REPAIR 12/16-1/31/1	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N	
				Seq Ditch Description		Amount	Vdr Invc#	Vdr Invc Dt		PO#	
	001	51066	DD 41			3,976.20	36635		2/08/2018	0000194	
0003286	0062302	Clapsaddle-Garber	Assoc	DD 123 REPAIR SVCS TO 1/3	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N	
				Seq Ditch Description		Amount	Vdr Invc#	Vdr Invc Dt		PO#	
	001	51138	DD 123 Main			1,597.80	36636		2/08/2018	0000188	
0003287	0062302	Clapsaddle-Garber	Assoc	DD 25 LAT 3 SVCS TO 1/31/	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N	
				Seq Ditch Description		Amount	Vdr Invc#	Vdr Invc Dt		PO#	
	001	51048	DD 25			1,997.60	36637		2/08/2018	0000001	
0003288	0062302	Clapsaddle-Garber	Assoc	DD 72 IMPROVEMNT 11/25-1/	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N	
				Seq Ditch Description		Amount	Vdr Invc#	Vdr Invc Dt		PO#	
	001	51102	DD 72			4,988.00	36638		2/08/2018	0000071	

Drainage Claim Edit Listing.6788001.txt

0003289	0062302	Clapsaddle-Garber Assoc	DD 122 REPAIR 12/11/17-1/	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N
Seq	Ditch	Description	Amount	Vdr	Invc#	Vdr	Invc	Dt	PO#
001	51137	DD 122	1,574.75	36639		2/08/2018	0000160		
0003290	0062302	Clapsaddle-Garber Assoc	DD 77 REPAIR SVCS TO 1/31	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N
Seq	Ditch	Description	Amount	Vdr	Invc#	Vdr	Invc	Dt	PO#
001	51106	DD 77	2,812.20	36649		2/08/2018	0000193		
0003291	0062302	Clapsaddle-Garber Assoc	DD 55-3 LAT 9A RPR 11/25-	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N
Seq	Ditch	Description	Amount	Vdr	Invc#	Vdr	Invc	Dt	PO#
001	51245	DD 55 Div 3 Lat 9A	2,404.70	36650		2/08/2018	0000113		
0003292	0062302	Clapsaddle-Garber Assoc	DD 72 RECLASS SVCS 12/21-	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N
Seq	Ditch	Description	Amount	Vdr	Invc#	Vdr	Invc	Dt	PO#
001	51102	DD 72	1,112.65	36651		2/08/2018	0000071		
0003293	0062302	Clapsaddle-Garber Assoc	DD 14 REPAIR SVCS TD	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N
Seq	Ditch	Description	Amount	Vdr	Invc#	Vdr	Invc	Dt	PO#
001	51027	DD 14	276.00	36652		2/08/2018	0000170		
0003294	0062302	Clapsaddle-Garber Assoc	DD 133 INVESTIGATE 1/3-2/	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N
Seq	Ditch	Description	Amount	Vdr	Invc#	Vdr	Invc	Dt	PO#
001	51147	DD 133 (Also DD 132-Combi	137.00	36653		2/08/2018	0000196		
0003295	0062302	Clapsaddle-Garber Assoc	DD 22 REPAIR SVCS 12/16-1	2/14/2018	2/16/2018	1/01/0001	1/01/0001	N	N
Seq	Ditch	Description	Amount	Vdr	Invc#	Vdr	Invc	Dt	PO#
001	51045	DD 22	1,658.00	36654		2/08/2018	0000192		



Drainage Claim for Damages

Hardin County

Claim # 13 District # 78 Work Order # 78
Township Jackson Section 35 Twp 88 Rge 20 Qtr Sec SW1/4
Parcel Tax IDs 882035300004

Name Bob McCollom **Bob & Judy McCollom**
Address 21779 ~~21191~~ 730th Ave **21779 730th Avenue**
Colo, IA 50056-8501 09 **Colo, IA 50056 -8509**
Phone (515) 460-2103
Email Address mccollom@netins.net
Landowner (if different) Godfrey & Woolsey Iowa Farms LLC

Claim Type

- Crop Damage
 - Crop Year 2017 Crop Year _____
 - Type of Crop Corn Type of Crop _____
 - # Acres Damaged 1.67 # Acres Damaged _____
 - Yield Per Acre 208 bushels Yield Per Acre _____ bushels
 - Unit Value \$ 3.96 /bushel Unit Value \$ _____ /bushel
- Fence Damage
- Outlet Damage
- Other: _____

Desired Compensation

- Monetary Payment
- Repair of Damages
- Other: _____

Total Amount Claimed

Crop Damages (Acres X Yield X Unit Value) \$ 1,375.55 \$ _____
Other Damages (Fence, Outlet, Etc) \$ _____

Robert C. McCollom 1-8-18
Claimant Signature Date

For Office Use Only

Total Amount Approved	\$ _____
Approval Signature	_____
	Date _____

**OPINIONS OF PROBABLE COST
DRAINAGE DISTRICT NO. 22 OPTIONS**

Date: January 2017

Hardin County, Iowa



	LANDOWNER SHARE							COUNTY SHARE							GRAND TOTAL
	BASE BID CONSTRUCTION	PROFESSIONAL SERVICES ESTIMATE (BASE BID)	ALTERNATE BID (RCP) CONSTRUCTION	PROFESSIONAL SERVICES ADDER ESTIMATE FOR ALTERNATE BID	LAND / EASEMENT AGREEMENTS	CONTINGENCY	TOTAL	BASE BID CONSTRUCTION	PROFESSIONAL SERVICES ESTIMATE (BASE BID)	ALTERNATE BID (RCP) CONSTRUCTION	PROFESSIONAL SERVICES ADDER ESTIMATE FOR ALTERNATE BID	LAND / EASEMENT AGREEMENTS	CONTINGENCY	TOTAL	
Current 30" Replacement	\$ 354,689.08	\$ 72,468.00	\$ 98,752.00	\$ 27,649.00	\$ -	\$ 45,827.92	\$ 599,386.00	\$ 85,810.92	\$ 17,532.00	\$ 8,400.00	\$ 2,351.00	\$ -	\$ 9,520.08	\$ 123,614.00	\$ 723,000
Modification A	\$ 761,900.60	\$ 165,033.00	\$ 290,805.00	\$ 76,440.00	\$ -	\$ 95,920.40	\$ 1,390,099.00	\$ 69,099.40	\$ 14,967.00	\$ 13,545.00	\$ 3,560.00	\$ -	\$ 7,529.60	\$ 108,701.00	\$ 1,498,800
Modification B	\$ 594,384.56	\$ 148,187.00	\$ 169,712.00	\$ 46,331.00	\$ -	\$ 76,354.44	\$ 1,034,969.00	\$ 131,615.44	\$ 32,813.00	\$ 13,440.00	\$ 3,669.00	\$ -	\$ 14,493.56	\$ 196,031.00	\$ 1,231,000
Modification C	\$ 446,821.75	\$ 111,065.00	\$ 59,520.00	\$ 14,981.00	\$ 120,000.00	\$ 50,785.25	\$ 803,173.00	\$ 76,178.25	\$ 18,935.00	\$ 31,860.00	\$ 8,019.00	\$ -	\$ 10,834.75	\$ 145,827.00	\$ 949,000
Modification D	\$ 418,935.40	\$ 102,758.00	\$ 5,200.00	\$ 1,291.00	\$ 210,000.00	\$ 42,435.60	\$ 780,620.00	\$ 111,064.60	\$ 27,242.00	\$ 64,500.00	\$ 16,009.00	\$ -	\$ 17,564.40	\$ 236,380.00	\$ 1,017,000

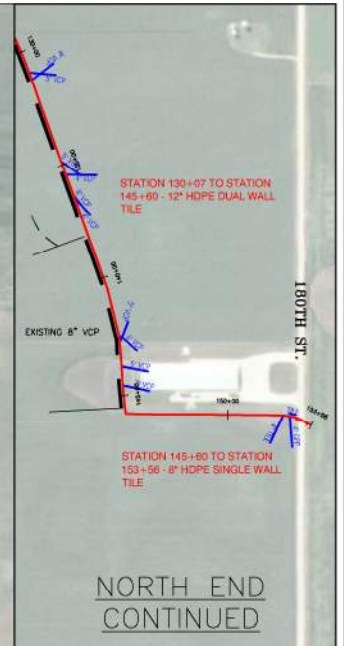
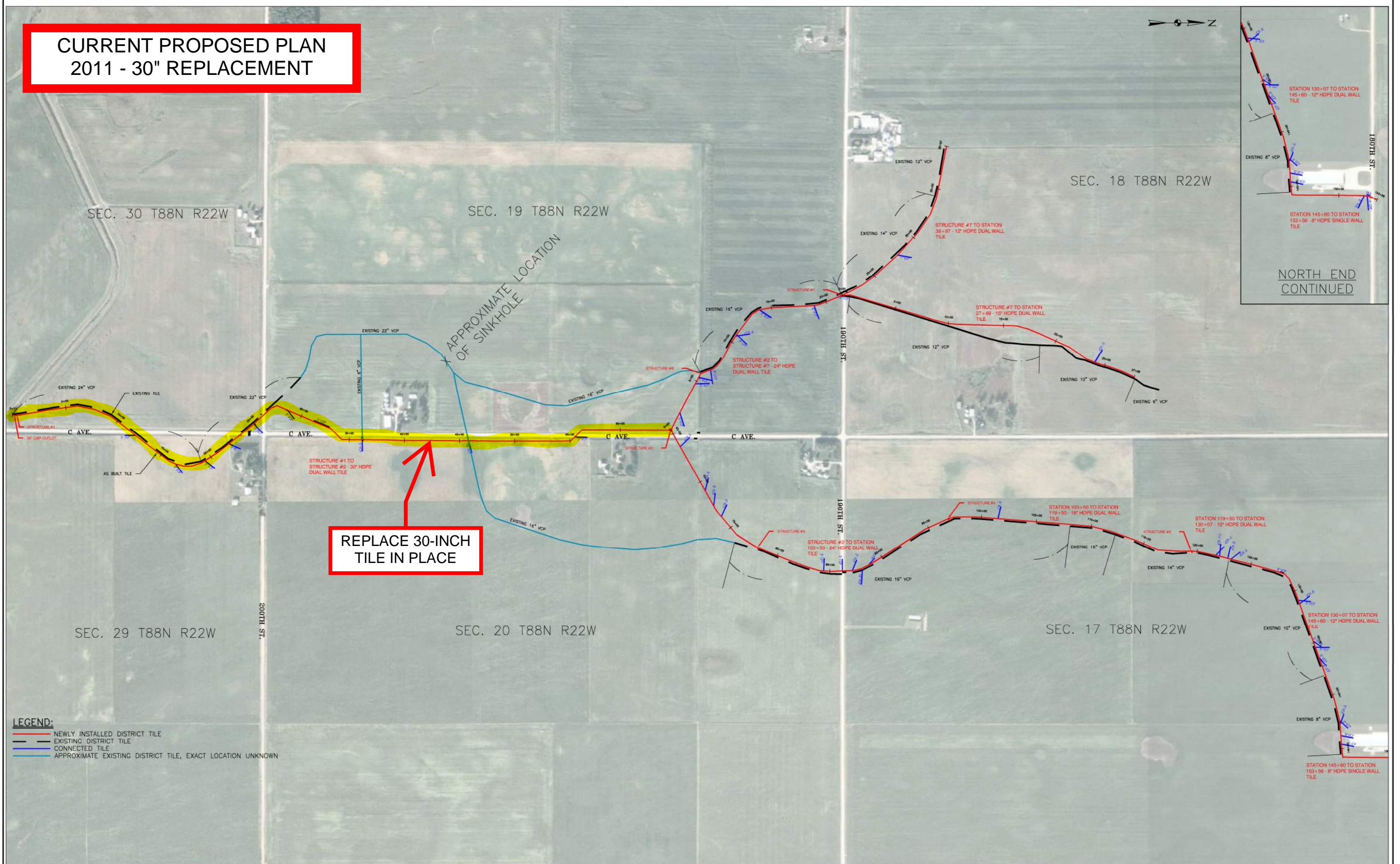
Modification A: Replace both supplemental 30-inch and original main tile with a single, larger tile following old route.

Modification B: Replace supplemental 30-inch in place on 2011 alignment and replace original main tile with 24-inch in original alignment.

Modification C: Open Ditch to south side of Silvest acreage. From there upstream, replace supplemental 30-inch in place on 2011 alignment and tie-into original main tile with 24-inch.

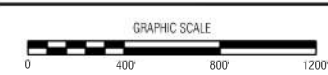
Modification D: Open Ditch to replace 2011 supplemental 30-inch, connect original main tile with 18-inch.

**CURRENT PROPOSED PLAN
2011 - 30" REPLACEMENT**



**REPLACE 30-INCH
TILE IN PLACE**

- LEGEND:**
- NEWLY INSTALLED DISTRICT TILE
 - EXISTING DISTRICT TILE
 - CONNECTED TILE
 - APPROXIMATE EXISTING DISTRICT TILE, EXACT LOCATION UNKNOWN



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE

CGA Clipsadle-Garber Associates, Inc.
16 East Main Street
Marshalltown, Iowa 50158
Ph: 641-792-6701
www.cgaconsultants.com

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

**DRAINAGE DISTRICT 22
HARDIN COUNTY, IOWA**

IMPROVEMENT OPTIONS

PROJECT NO.
8712
SHEET NO.
1

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OPINION OF PROBABLE COST
CURRENT PROPOSED PLAN - DRAINAGE DISTRICT NO. 22

Date: January 2017

Hardin County, Iowa



BASE BID

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>EXTENSION</u>
1	30" Ø POLYPROPYLENE TILE	6,397 LF	\$47.00	\$300,659.00
2	CCTV INSPECTION OF ROADWAY CROSSING TILE	300 LF	\$5.00	\$1,500.00
3	30" Ø POLYPROPYLENE TILE - ROAD CROSSING	300 LF	\$100.00	\$30,000.00
4	CONNECTION TO ROAD CROSSING TILE TO REMAIN	8 EACH	\$400.00	\$3,200.00
5	CONNECTION TO EXISTING STRUCTURE	2 EACH	\$800.00	\$1,600.00
6	PRIVATE TILE OR INTAKE CONNECTION	10 EACH	\$400.00	\$4,000.00
7	INTAKE, ROAD ROW	10 EACH	\$3,500.00	\$35,000.00
8	REMOVAL AND DISPOSAL OF SUPPLEMENTAL TILE	6,697 LF	\$7.00	\$46,879.00
9	CLEANUP, SHAPING, AND SEEDING	1 LS	\$4,268.00	\$4,268.00
10	CCTV INSPECTION OF TILE - POST CONSTRUCTION	6,697 LF	\$2.00	\$13,394.00
Total Budgeted Construction Costs (PE PIPE):				\$440,500

ALTERNATE BID PROJECT QUANTITIES

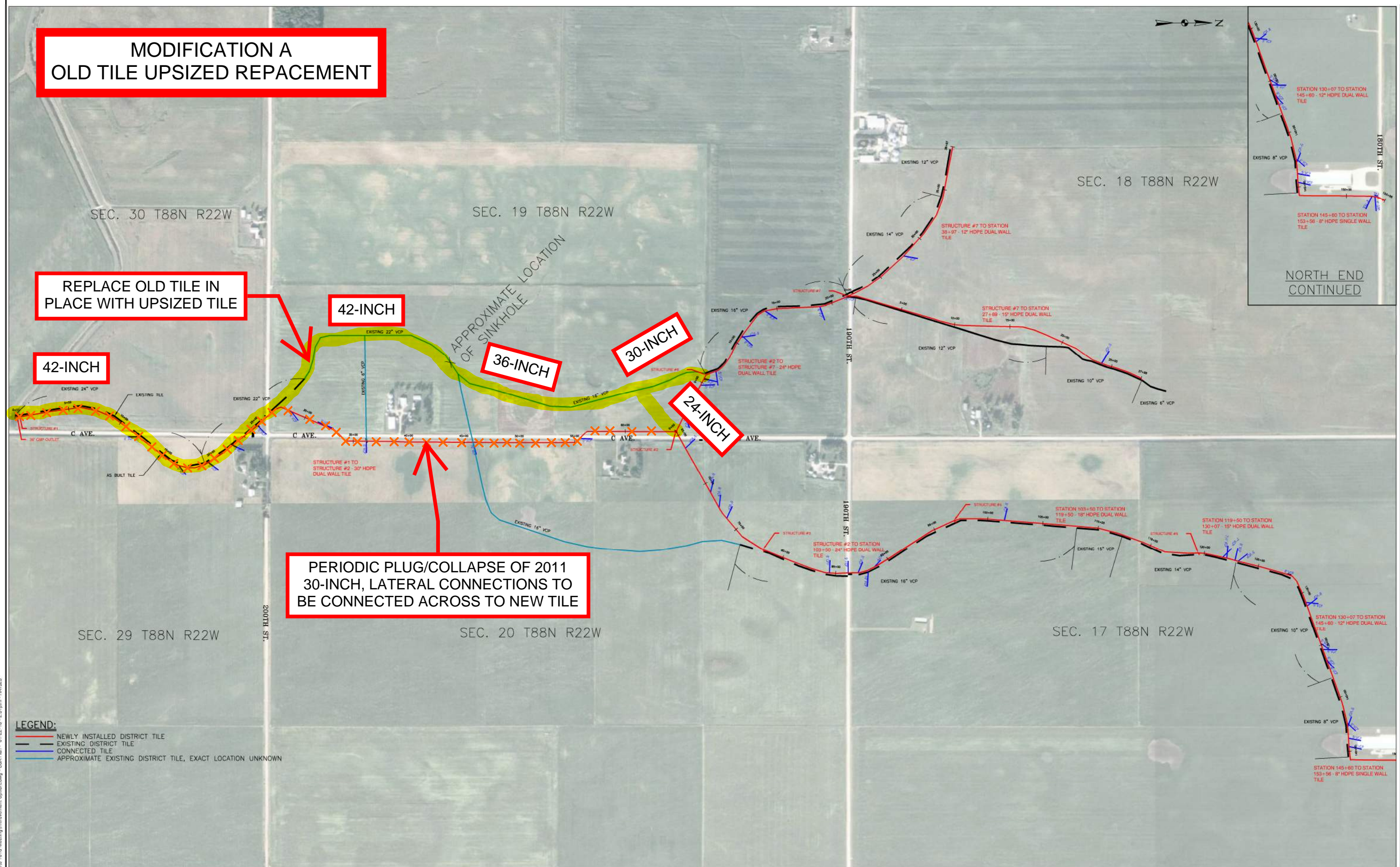
1A	30" 2000D RCP IN PLACE OF 30" POLYPROPYLENE	6,397 LF	\$18.00	\$115,146
3A	30" 2000D RCP IN PLACE OF 30" POLYPROPYLENE	300 LF	\$18.00	\$5,400
DEDUCT 10	CCTV INSPECTION OF TILE - POST CONSTRUCTION	6,697 LF	-\$2.00	-\$13,394
Total Budgeted Construction Costs (RCP PIPE):				\$547,652

10% +/- Contingency \$ 55,348
Professional Services Estimate (Base Bid) \$ 90,000
Professional Services Estimate (Additional Construction Observation for Alternate Bid - Slower Construction) \$ 30,000

TOTAL \$723,000

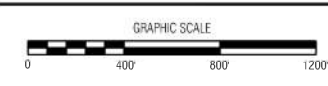
	Landowner Share		County Share	
Base Bid	\$	354,689.08	\$	85,810.92
Alternate Bid	\$	98,752.00	\$	8,400.00
Contingency	\$	45,827.92	\$	9,520.08
Professional Services (Base Bid)	\$	72,468.00	\$	17,532.00
Professional Services (Alternate Bid)	\$	27,649.00	\$	2,351.00
	\$	599,386.00	\$	123,614.00

**MODIFICATION A
OLD TILE UPSIZED REPAACEMENT**



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LEGEND:
 - NEWLY INSTALLED DISTRICT TILE
 - EXISTING DISTRICT TILE
 - CONNECTED TILE
 - APPROXIMATE EXISTING DISTRICT TILE, EXACT LOCATION UNKNOWN



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE

CGA Clippard-Garber Associates, Inc.
 16 East Main Street
 Marshalltown, Iowa 50158
 P: 641-792-6701
 www.cgaconsultants.com

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

**DRAINAGE DISTRICT 22
HARDIN COUNTY, IOWA**

IMPROVEMENT OPTIONS

PROJECT NO. 8712
 SHEET NO. 1

**OPINION OF PROBABLE COST
MODIFICATION A - DRAINAGE DISTRICT NO. 22**

Date: January 2017

Hardin County, Iowa



BASE BID

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>EXTENSION</u>
1	42" Ø POLYPROPYLENE TILE	4,570 LF	\$80.00	\$365,600.00
2	36" Ø POLYPROPYLENE TILE	1,750 LF	\$65.00	\$113,750.00
3	30" Ø POLYPROPYLENE TILE	700 LF	\$47.00	\$32,900.00
4	24" Ø POLYPROPYLENE TILE	1,400 LF	\$43.00	\$60,200.00
5	48" Ø OUTLET	1 EACH	\$6,000.00	\$6,000.00
6	42" Ø POLYPROPYLENE TILE - ROAD CROSSING	180 LF	\$160.00	\$28,800.00
7	NEW JUNCTION STRUCTURES	5 EACH	\$5,000.00	\$25,000.00
8	PRIVATE TILE OR INTAKE CONNECTION	20 EACH	\$400.00	\$8,000.00
9	PRIVATE TILE LINE EXTENSIONS	1 LS	\$30,000.00	\$30,000.00
10	INTAKE, ROAD ROW	6 EACH	\$3,500.00	\$21,000.00
11	DISCONNECT AND CRUSH SUPPLEMENTAL TILE	6,697 LF	\$10.00	\$66,970.00
12	REMOVAL AND DISPOSAL OF MAIN TILE	7,200 LF	\$7.00	\$50,400.00
13	CLEANUP, SHAPING, AND SEEDING	1 LS	\$5,180.00	\$5,180.00
14	CCTV INSPECTION OF TILE - POST CONSTRUCTION	8,600 LF	\$2.00	\$17,200.00

Total Budgeted Construction Costs (PE PIPE): \$831,000

ALTERNATE BID PROJECT QUANTITIES

1A	42" 2000D RCP IN PLACE OF 42" POLYPROPYLENE	4,570 LF	\$45.00	\$205,650
2A	36" 2000D RCP IN PLACE OF 36" POLYPROPYLENE	1,750 LF	\$40.00	\$70,000
3A	30" 2000D RCP IN PLACE OF 30" POLYPROPYLENE	700 LF	\$18.00	\$12,600
4A	24" 2000D RCP IN PLACE OF 24" POLYPROPYLENE	1,400 LF	\$18.00	\$25,200
6A	42" 2000D RCP IN PLACE OF 42" POLYPROPYLENE	180 LF	\$45.00	\$8,100
DEDUCT 14	CCTV INSPECTION OF TILE - POST CONSTRUCTION	8,600 LF	-\$2.00	-\$17,200

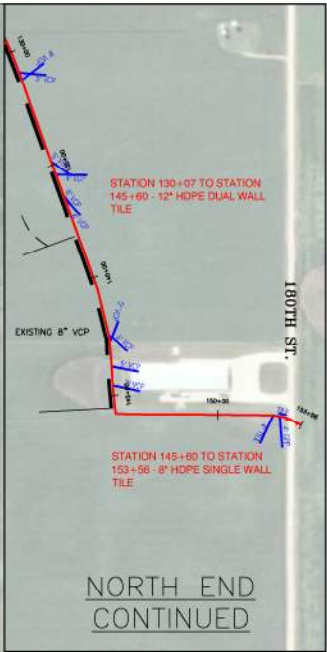
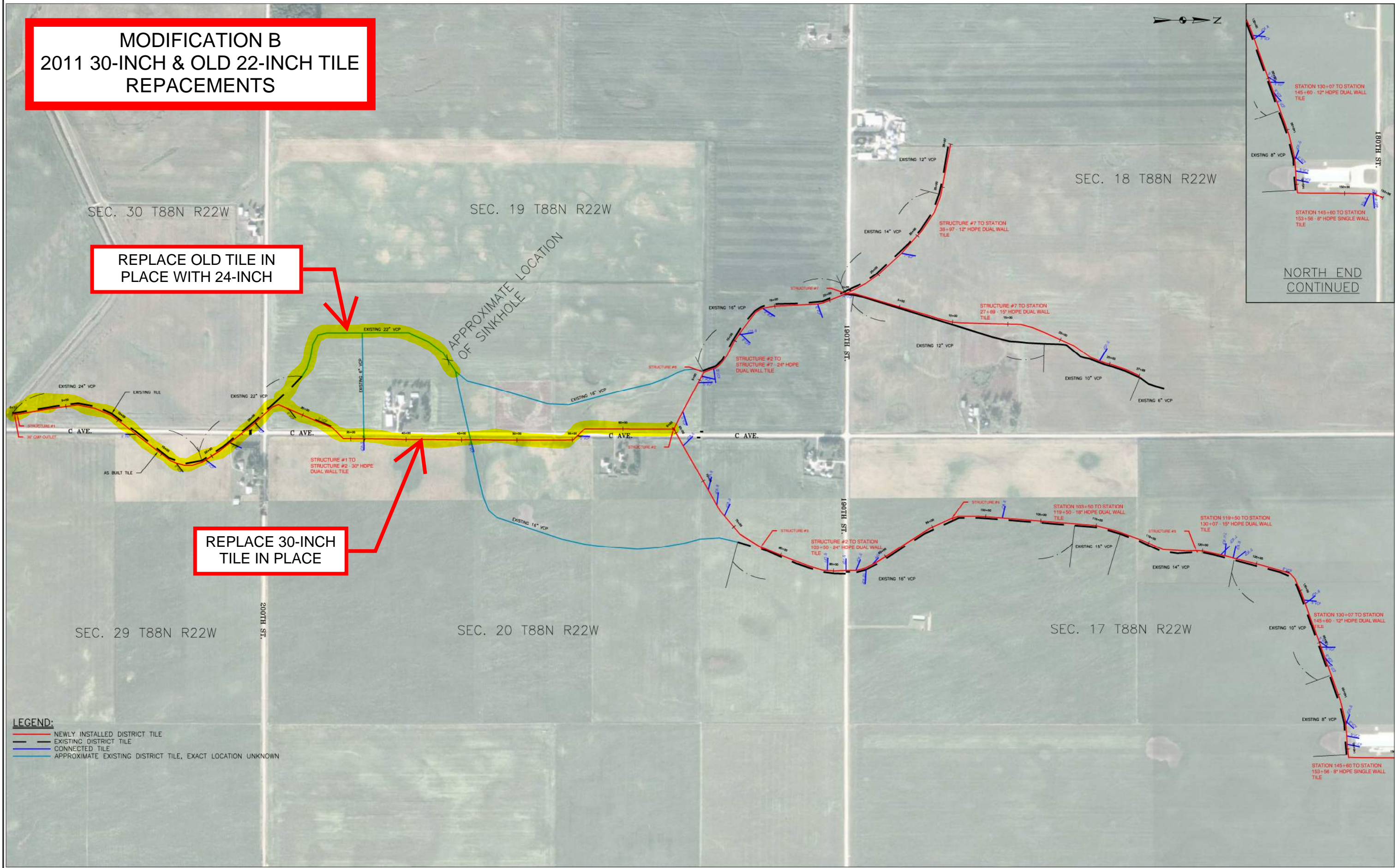
Total Budgeted Construction Costs (RCP PIPE): \$1,135,350

	10% +/- Contingency	\$	103,450
	Professional Services Estimate (Base Bid)	\$	180,000
	Professional Services Estimate (Additional Construction Observation for Alternate Bid - Slower Construction)	\$	80,000

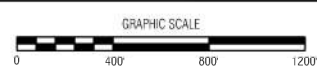
TOTAL \$1,498,800

	Landowner Share	County Share
Base Bid	\$ 761,900.60	\$ 69,099.40
Alternate Bid	\$ 290,805.00	\$ 13,545.00
Contingency	\$ 95,920.40	\$ 7,529.60
Professional Services (Base Bid)	\$ 165,033.00	\$ 14,967.00
Professional Services (Alternate Bid)	\$ 76,440.00	\$ 3,560.00
	\$ 1,390,099.00	\$ 108,701.00

MODIFICATION B 2011 30-INCH & OLD 22-INCH REPLACEMENTS



LEGEND:
 - NEWLY INSTALLED DISTRICT TILE
 - EXISTING DISTRICT TILE
 - CONNECTED TILE
 - APPROXIMATE EXISTING DISTRICT TILE, EXACT LOCATION UNKNOWN



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE

CGA Clippard-Garber Associates, Inc.
 16 East Main Street
 Marshalltown, Iowa 50158
 P: 641-792-6701
 www.cgaconsultants.com

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

DRAINAGE DISTRICT 22 HARDIN COUNTY, IOWA

IMPROVEMENT OPTIONS

PROJECT NO. 8712
 SHEET NO. 1

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**OPINION OF PROBABLE COST
MODIFICATION B - DRAINAGE DISTRICT NO. 22**

Date: January 2017

Hardin County, Iowa



BASE BID

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>		<u>UNIT COST</u>	<u>EXTENSION</u>
1	30" Ø POLYPROPYLENE TILE	6,397	LF	\$47.00	\$300,659.00
2	24" Ø POLYPROPYLENE TILE	4,570	LF	\$43.00	\$196,510.00
3	CCTV INSPECTION OF ROADWAY CROSSING TILE	300	LF	\$5.00	\$1,500.00
4	30" Ø POLYPROPYLENE TILE - ROAD CROSSING	300	LF	\$100.00	\$30,000.00
5	24" Ø POLYPROPYLENE TILE - ROAD CROSSING	180	LF	\$90.00	\$16,200.00
6	NEW JUNCTION STRUCTURE	1	EACH	\$5,000.00	\$5,000.00
7	CONNECTION TO ROAD CROSSING TILE TO REMAIN	8	EACH	\$400.00	\$3,200.00
8	CONNECTION TO EXISTING STRUCTURE	3	EACH	\$800.00	\$2,400.00
9	PRIVATE TILE OR INTAKE CONNECTION	18	EACH	\$400.00	\$7,200.00
10	INTAKE, ROAD ROW	16	EACH	\$3,500.00	\$56,000.00
11	REMOVAL AND DISPOSAL OF SUPPLEMENTAL TILE	6,697	LF	\$7.00	\$46,879.00
12	REMOVAL AND DISPOSAL OF MAIN TILE	4,750	LF	\$7.00	\$33,250.00
13	CLEANUP, SHAPING, AND SEEDING	1	LS	\$4,308.00	\$4,308.00
14	CCTV INSPECTION OF TILE - POST CONSTRUCTION	11,447	LF	\$2.00	\$22,894.00

Total Budgeted Construction Costs (PE PIPE): \$726,000

ALTERNATE BID PROJECT QUANTITIES

1A	30" 2000D RCP IN PLACE OF 30" POLYPROPYLENE	6,397	LF	\$18.00	\$115,146
2A	24" 2000D RCP IN PLACE OF 24" POLYPROPYLENE	4,570	LF	\$18.00	\$82,260
4A	30" 2000D RCP IN PLACE OF 30" POLYPROPYLENE	300	LF	\$18.00	\$5,400
5A	24" 2000D RCP IN PLACE OF 24" POLYPROPYLENE	180	LF	\$18.00	\$3,240
DEDUCT 14	CCTV INSPECTION OF TILE - POST CONSTRUCTION	11,447	LF	-\$2.00	-\$22,894

Total Budgeted Construction Costs (RCP PIPE): \$909,152

10% +/- Contingency \$ 90,848
Professional Services Estimate (Base Bid) \$ 181,000
Professional Services Estimate (Additional Construction Observation for Alternate Bid - Slower Construction) \$ 50,000

TOTAL \$1,231,000

	Landowner Share	County Share
Base Bid	\$ 594,384.56	\$131,615.44
Alternate Bid	\$ 169,712.00	\$ 13,440.00
Contingency	\$ 76,354.44	\$ 14,493.56
Professional Services (Base Bid)	\$ 148,187.00	\$ 32,813.00
Professional Services (Alternate Bid)	\$ 46,331.00	\$ 3,669.00
	\$ 1,034,969.00	\$ 196,031.00

MODIFICATION C
2011 30-INCH & OLD 22-INCH TILE
REPLACEMENTS W/ PARTIAL OPEN DITCH

CONNECT OLD ALIGNMENT TO OPEN DITCH WITH 24-INCH

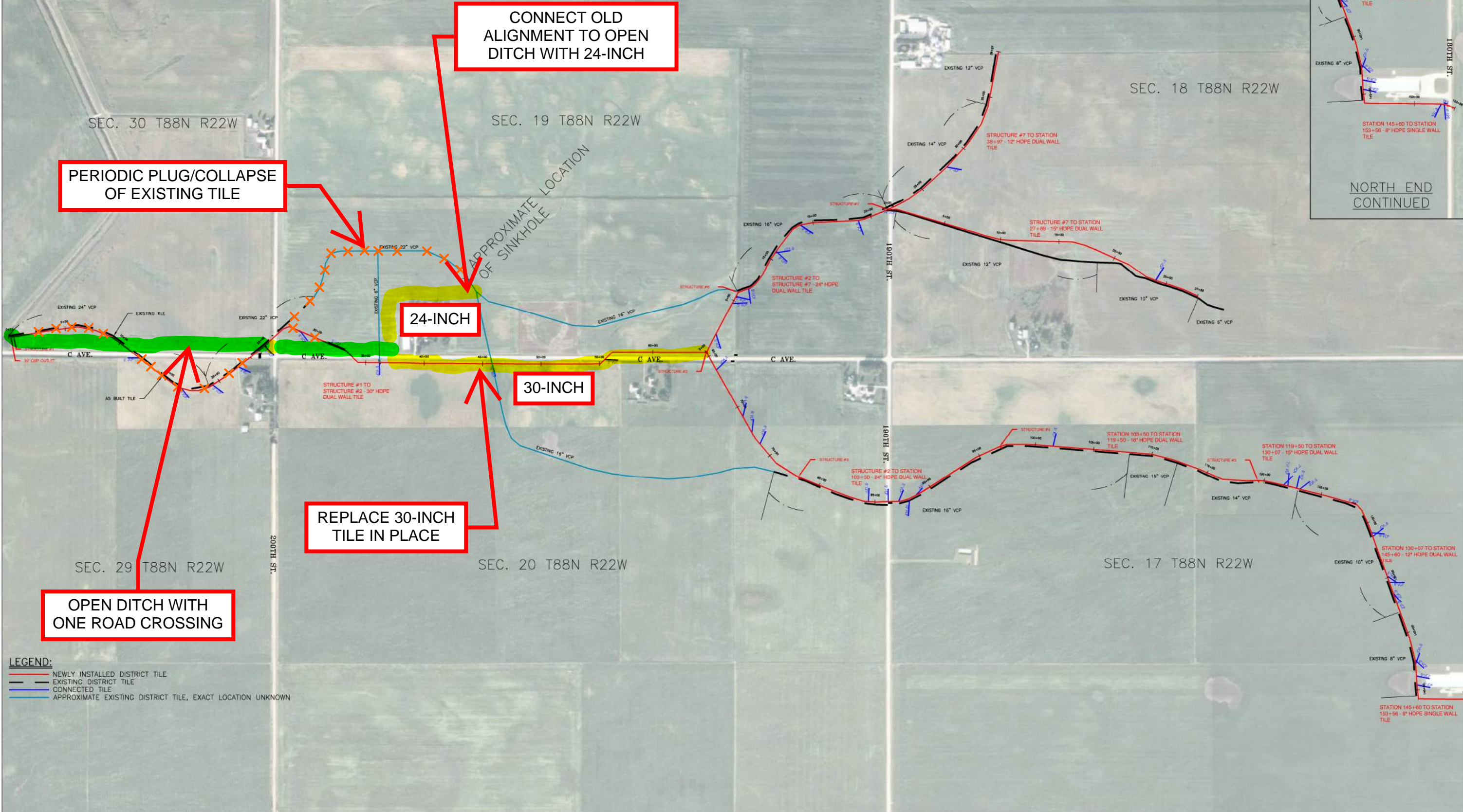
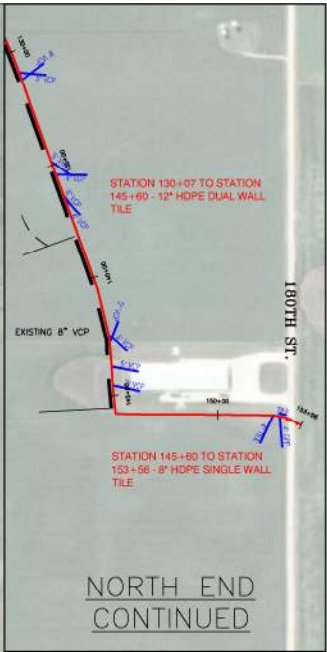
PERIODIC PLUG/COLLAPSE OF EXISTING TILE

REPLACE 30-INCH TILE IN PLACE

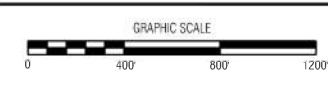
OPEN DITCH WITH ONE ROAD CROSSING

24-INCH

30-INCH



LEGEND:
 - NEWLY INSTALLED DISTRICT TILE
 - EXISTING DISTRICT TILE
 - CONNECTED TILE
 - APPROXIMATE EXISTING DISTRICT TILE, EXACT LOCATION UNKNOWN



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE

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DRAINAGE DISTRICT 22
 HARDIN COUNTY, IOWA

IMPROVEMENT OPTIONS

PROJECT NO. 8712
 SHEET NO. 1

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**OPINION OF PROBABLE COST
MODIFICATION C - DRAINAGE DISTRICT NO. 22**

Date: January 2017

Hardin County, Iowa



BASE BID

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>EXTENSION</u>
1	30" Ø POLYPROPYLENE TILE	2,670 LF	\$47.00	\$125,490.00
2	24" Ø POLYPROPYLENE TILE	1,140 LF	\$43.00	\$49,020.00
3	OPEN DITCH CONSTRUCTION (EST AVG 10' DEEP)	3,425 LF	\$35.00	\$119,875.00
4	30" Ø POLYPROPYLENE TILE - ROAD CROSSING	120 LF	\$100.00	\$12,000.00
5	96" Ø CMP - ROAD CROSSING	60 LF	\$475.00	\$28,500.00
6	96" Ø CMP APRON	2 EACH	\$3,000.00	\$6,000.00
7	36" Ø OUTLET	1 EACH	\$1,800.00	\$1,800.00
8	30" Ø OUTLET	1 EACH	\$1,500.00	\$1,500.00
9	CONNECTION TO EXISTING STRUCTURE	1 EACH	\$800.00	\$800.00
10	EXTENSION OF PRIVATE TILE TO NEW ALIGNMENT	8 EACH	\$4,000.00	\$32,000.00
11	PRIVATE TILE OR INTAKE CONNECTION	5 EACH	\$400.00	\$2,000.00
12	INTAKE, ROAD ROW	4 EACH	\$3,500.00	\$14,000.00
13	REMOVAL AND DISPOSAL OF SUPPLEMENTAL TILE	2,790 LF	\$7.00	\$19,530.00
14	DISCONNECT AND CRUSH SUPPLEMENTAL TILE	3,907 LF	\$10.00	\$39,070.00
15	DISCONNECT AND CRUSH MAIN TILE	4,860 LF	\$10.00	\$48,600.00
16	CLEANUP, SHAPING, AND SEEDING	1 LS	\$14,955.00	\$14,955.00
17	CCTV INSPECTION OF TILE - POST CONSTRUCTION	3,930 LF	\$2.00	\$7,860.00

Total Budgeted Construction Costs (PE PIPE): \$523,000

ALTERNATE BID PROJECT QUANTITIES

1A	30" 2000D RCP IN PLACE OF 30" POLYPROPYLENE	2,670 LF	\$18.00	\$48,060
2A	24" 2000D RCP IN PLACE OF 24" POLYPROPYLENE	1,140 LF	\$18.00	\$20,520
4A	30" 2000D RCP IN PLACE OF 30" POLYPROPYLENE	120 LF	\$18.00	\$2,160
5A	96" RCP IN PLACE OF 96" CMP	60 LF	\$425.00	\$25,500
6A	96" RCP APRON IN PLACE OF 96" CMP APRON	2 EACH	\$1,500.00	\$3,000
7A	EXTEND 30" Ø RCP AS OUTLET	1 EACH	\$0.00	\$0
8A	EXTEND 24" Ø RCP AS OUTLET	1 EACH	\$0.00	\$0
DEDUCT 17	CCTV INSPECTION OF TILE - POST CONSTRUCTION	3930 LF	-\$2.00	-\$7,860

Total Budgeted Construction Costs (RCP PIPE): \$614,380

10% +/- Contingency	\$	61,620
Land/Easement Agreements (Estimated 8 acres @ \$15K/acre)	\$	120,000
Professional Services Estimate (Base Bid)	\$	130,000
Professional Services Estimate (Additional Construction Observation for Alternate Bid - Slower Construction)	\$	23,000

TOTAL \$949,000

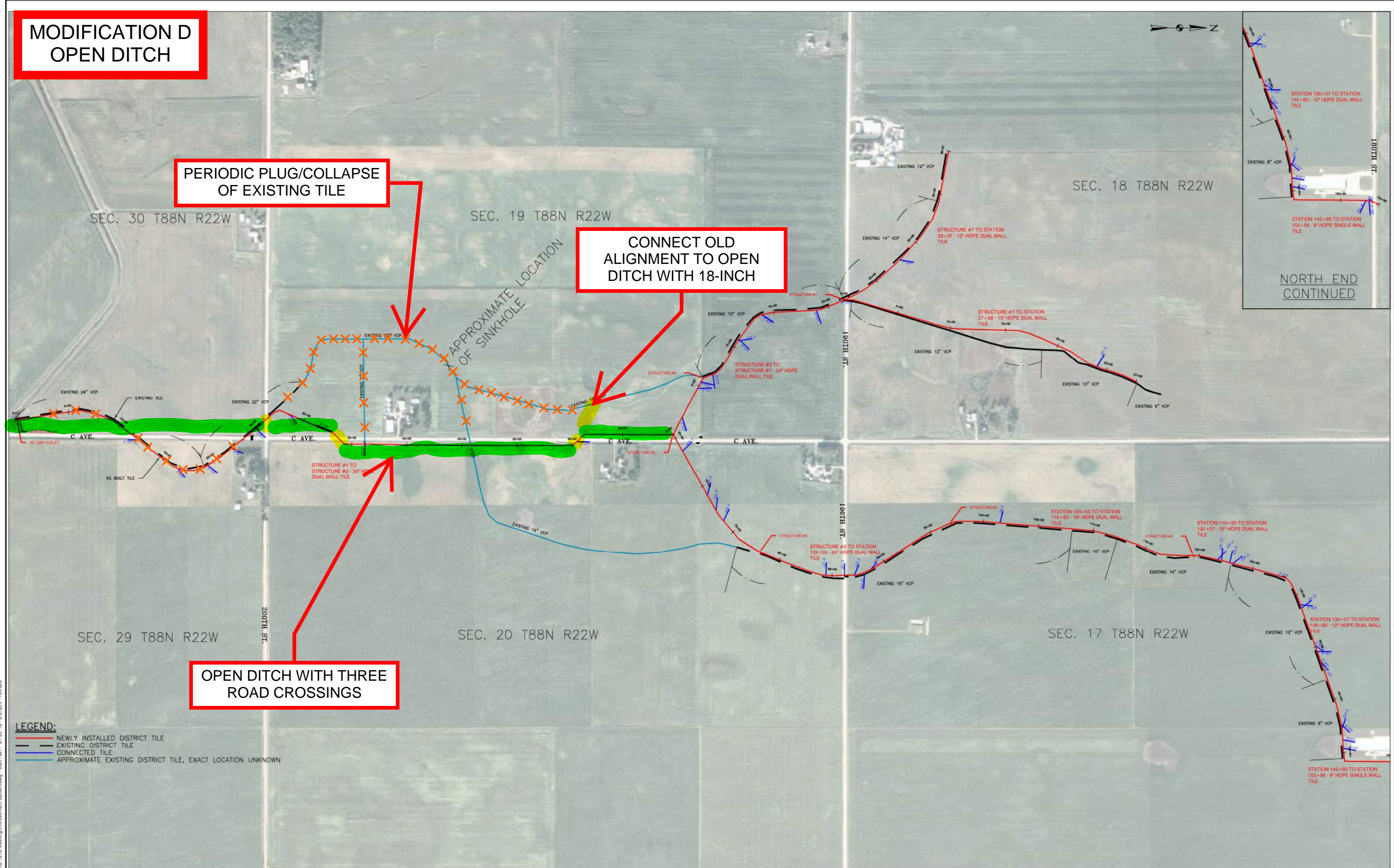
	Landowner Share	County Share
Base Bid	\$ 446,821.75	\$ 76,178.25
Alternate Bid	\$ 59,520.00	\$ 31,860.00
Contingency	\$ 50,785.25	\$ 10,834.75
Land & Easements	\$ 120,000.00	\$ -
Professional Services (Base Bid)	\$ 111,065.00	\$ 18,935.00
Professional Services (Alternate Bid)	\$ 14,981.00	\$ 8,019.00
	\$ 803,173.00	\$ 145,827.00

**MODIFICATION D
OPEN DITCH**

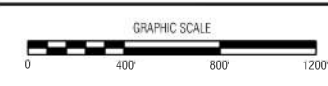
**PERIODIC PLUG/COLLAPSE
OF EXISTING TILE**

**CONNECT OLD
ALIGNMENT TO OPEN
DITCH WITH 18-INCH**

**OPEN DITCH WITH THREE
ROAD CROSSINGS**



LEGEND:
 - NEWLY INSTALLED DISTRICT TILE
 - EXISTING DISTRICT TILE
 - CONNECTED TILE
 - APPROXIMATE EXISTING DISTRICT TILE, EXACT LOCATION UNKNOWN



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DRAINAGE DISTRICT 22
 HARDIN COUNTY, IOWA

IMPROVEMENT OPTIONS

PROJECT NO. 8712
 SHEET NO. 1

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**OPINION OF PROBABLE COST
MODIFICATION D - DRAINAGE DISTRICT NO. 22**

Date: January 2017

Hardin County, Iowa



BASE BID

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>EXTENSION</u>
1	18" Ø POLYPROPYLENE TILE	400 LF	\$35.00	\$14,000.00
2	OPEN DITCH CONSTRUCTION (EST AVG 10.5' DEEP)	5,930 LF	\$38.00	\$225,340.00
3	96" Ø CMP - ROAD CROSSING	60 LF	\$475.00	\$28,500.00
4	96" Ø CMP APRON	2 EACH	\$3,000.00	\$6,000.00
5	72" Ø CMP - ROAD CROSSING	120 LF	\$400.00	\$48,000.00
6	72" Ø CMP APRON	4 EACH	\$2,800.00	\$11,200.00
7	30" Ø OUTLET	2 EACH	\$1,500.00	\$3,000.00
8	24" Ø OUTLET	1 EACH	\$1,200.00	\$1,200.00
9	EXTENSION OF PRIVATE TILE TO NEW ALIGNMENT	10 EACH	\$4,000.00	\$40,000.00
10	REMOVAL AND DISPOSAL OF SUPPLEMENTAL TILE	2,790 LF	\$7.00	\$19,530.00
11	DISCONNECT AND CRUSH SUPPLEMENTAL TILE	3,907 LF	\$10.00	\$39,070.00
12	DISCONNECT AND CRUSH MAIN TILE	7,060 LF	\$10.00	\$70,600.00
13	CLEANUP, SHAPING, AND SEEDING	1 LS	\$22,760.00	\$22,760.00
14	CCTV INSPECTION OF TILE - POST CONSTRUCTION	400 LF	\$2.00	\$800.00

Total Budgeted Construction Costs (PE PIPE): \$530,000

ALTERNATE BID PROJECT QUANTITIES

1A	18" 2000D RCP IN PLACE OF 18" POLYPROPYLENE	400 LF	\$15.00	\$6,000
3A	96" RCP IN PLACE OF 96" CMP	60 LF	\$425.00	\$25,500
4A	96" RCP APRON IN PLACE OF 96" CMP APRON	2 EACH	\$1,500.00	\$3,000
5A	72" RCP IN PLACE OF 72" CMP	120 LF	\$250.00	\$30,000
6A	72" RCP APRON IN PLACE OF 72" CMP APRON	4 EACH	\$1,500.00	\$6,000
DEDUCT 14	CCTV INSPECTION OF TILE - POST CONSTRUCTION	400 LF	-\$2.00	-\$800

Total Budgeted Construction Costs (RCP PIPE): \$599,700

10% +/- Contingency	\$	60,000
Land/Easement Agreements (Estimated 14 acres @ \$15K/acre)	\$	210,000
Professional Services Estimate (Base Bid)	\$	130,000
Professional Services Estimate (Additional Construction Observation for Alternate Bid - Slower Construction)	\$	17,300

TOTAL \$1,017,000

	Landowner Share	County Share
Base Bid	\$ 418,935.40	\$ 111,064.60
Alternate Bid	\$ 5,200.00	\$ 64,500.00
Contingency	\$ 42,435.60	\$ 17,564.40
Land & Easements	\$ 210,000.00	\$ -
Professional Services (Base Bid)	\$ 102,758.00	\$ 27,242.00
Professional Services (Alternate Bid)	\$ 1,291.00	\$ 16,009.00
	\$ 780,620.00	\$ 236,380.00



2018 Rate Schedule

<u>Ryken Title and Rate</u>		<u>\$ Change</u>	<u>CGA Title and Rate</u>	
Senior Licensed Engineer	\$110.00	0	Project Manager	\$110.00
Licensed Engineer	\$ 90.00	- 4	Sr Design Engineer	\$ 86.00
Licensed Land Surveyor	\$ 85.00	+10	Professional Land Surveyor	\$ 95.00
Survey Party Chief	\$ 65.00	0	Survey Party Chief	\$ 65.00
Survey Crew Assistant	\$ 55.00	0	Survey Tech	\$ 55.00
Survey-GPS-One Man	\$ 80.00	- 5	Survey Crew (One Person)	\$ 75.00
Senior Construction Observer	\$ 65.00	0	Senior Construction Tech	\$ 65.00
CADD	\$ 65.00	-10	CADD Tech	\$ 55.00
Construction Observer	\$ 55.00	0	Construction Tech	\$ 55.00
Clerical	\$ 50.00	+ 5	Administrative Assistant	\$ 55.00
Senior Technician	\$ 65.00	0	Design Tech	\$ 65.00
Engineer In Training	\$ 70.00	+ 6	Design Engineer	\$ 76.00
Land Surveyor In Training	\$ 65.00	+ 5	Lead Surveyor	\$ 70.00
Senior CADD	\$ 70.00	- 7	Sr CADD Tech	\$ 63.00
Senior Clerical	\$ 60.00	0	Sr Administrative Assistant	\$ 60.00
Average of Changes		0		

REIMBURSABLE EXPENSES

1. All materials and supplies used in the performance of work on this project.
2. Service vehicle mileage will be reimbursed on the basis of 65 cents per mile.
3. Charges for outside services such as soils and materials testing, fiscal, and legal will be billed at their invoice cost plus 15%.

ADJUSTMENTS TO FEE SCHEDULE

All expert testimony work in cases of litigation or anticipated litigation will be billed based on type of work.

- For advisory work and consultation where the Engineer is not under oath, our fee shall be established by applying a multiplier of 1.25 times the standard rate schedule.
- For depositions and testimony during trial, our fees shall be established using a multiplier of 1.50 times the standard rate schedule.

Effective January 22, 2018
Subject to change without notice

From: Lee Gallentine <LGallentine@cgaconsultants.com>
Sent: Wednesday, February 07, 2018 1:37 PM
To: Tina Schlemme
Subject: Hourly Titles and Rates
Attachments: Drainage Hourly Rates 2018 - Ryken and CGA Comparison.pdf

Tina,
Per our conversation earlier today. As part of the merger between CGA and Ryken, I indicated that rates would not increase which is still accurate. However, there has been some changing of titles and shifting of rates (both up and down).

To that end, attached is a new title and rate structure. On it, I have listed on a line by line basis the old Ryken title and rate, the \$ change, and the new CGA title and rate. Any position that did not monetarily change is not highlighted. Any position that had an increase monetarily is highlighted red and any position that had a decrease monetarily is highlighted green. As you can see at the bottom of these lines, the average of all the changes is \$0, so there has not been an increase per our previous conversations.

If I am correct, the existing contract allows adjustments to the rate structure on an annual basis. Please replace the rate schedule in the existing contract with the attached. Also, you may receive some invoices that use both rate schedules as we transition between them.

Please let me know if you have any questions.

Thanks,

Lee Gallentine, P. L.S. & P.E.
Professional Land Surveyor and Professional Engineer

Clapsaddle-Garber Associates, Inc
739 Park Avenue, Ackley, IA 50601
P: 641.847.3273 | F: 641.847.2303
103 State Street, Suite 430, Mason City, IA 50401
P: 641.423.1451 | F: 641.423.1659
511 Bank Street, Webster City, IA 50595
P: 515.832.1876 | F: 515.832.1932