CITY OF WEST DES MOINES
CITY COUNCIL MEETING COMMUNICATION

DATE: March 4, 2019

ITEM:

Public Hearing (5:35 p.m.)
27th & Vine Culvert Reconstruction

FINANCIAL IMPACT:

The revised Engineering Estimate of Construction Cost was estimated to be $627,233.00 for the 27th & Vine Culvert Reconstruction. There were four (4) bids submitted with the low bid of $677,073.86 being submitted by Jenco Construction, Inc. of Des Moines, Iowa. Payments will be made from account no. 660.000.000.5250.490 with the ultimate funding for the culvert reconstruction intended to come from Stormwater Fee Revenue and the ultimate funding for the 27th Street pavement replacement intended to come from Road Use Tax. Funds for the project are available in the FY 19-20 budget, but due to the timing of the construction season, this project will begin on an accelerated schedule.

BACKGROUND:

This project involves the removal of an existing 72-inch storm sewer along Fairmeadows Creek under 27th Street just south of Vine Street and replacing it with a dual 8'x6' reinforced concrete box (RCB) culvert. The project also includes pavement reconstruction of 27th Street from Vine Street to Meadow Lane. This stretch of 27th Street will be closed during construction for most of the project. The project is anticipated to be completed by September 20, 2019.

The low bid came in 7.95% higher than the Engineer's Estimate for the project. After further evaluation of the bids for this project, it was discovered that the limited work space for the project as well as the diversion/pumping required for Fairmeadows Creek throughout the project increased several unit prices. City Staff recommend awarding the contract to Jenco Construction, Inc. as rebidding the project could potentially result in higher bids.

OUTSTANDING ISSUES: None.

RECOMMENDATION:

City Council Adopt:

- Resolution adopting Plans, Specifications, Form of Contract, and Estimate of Costs for 27th & Vine Culvert Reconstruction;
- Motion receiving and filing Report of Bids;
- Resolution waiving bid irregularities and awarding the construction contract to Jenco Construction, Inc.

Lead Staff Member: Brian J. Hemesath, P.E., City Engineer BJH

STAFF REVIEWS

Department Director	Brian J. Hemesath, P.E., City Engineer
Appropriations/Finance	Tim Stiles, Finance Director
Legal	Richard Scieszinski, City Attorney
Agenda Acceptance	RTG

PUBLICATION(S) (if applicable)

Published In	Des Moines Register
Dates(s) Published	February 22, 2019

SUBCOMMITTEE REVIEW (if applicable)

Committee	Public Services		
Date Reviewed	February 25, 2019		
Recommendation	Yes	No	Split

RESOLUTION APPROVING ADOPTING PLANS, SPECIFICATIONS, FORM OF CONTRACT, AND ESTIMATE OF COST

WHEREAS, on February 4, 2019, Plans, Specifications, Form of Contract, and Estimate of Cost were filed with the City Clerk for the following described public improvement:

27th & Vine Culvert Reconstruction
Project No. 0510-045-2018

and,

WHEREAS, notice of hearing on Plans, Specifications, Form of Contract, and Estimate of Cost for said public improvements were published as required by law;

therefore,

BE IT FURTHER RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, that the Plans, Specifications, Form of Contract, and Estimate of Costs for said Public Improvement are hereby approved.

PASSED AND APPROVED on this **4th** day of **March, 2019.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

RESOLUTION APPROVING THE AWARDING OF A CONTRACT

WHEREAS, the City Council of the City of West Des Moines has heretofore directed advertisement for bids for the following described public improvement:

27th & Vine Culvert Reconstruction
Project No. 0510-045-2018

and,

WHEREAS, bids have been received and opened by the City Clerk and placed on file by the City Council; and,

WHEREAS, irregularities were noted on one of the bids that was received; and,

WHEREAS, the irregularities noted were not substantive in nature; and,

WHEREAS, the bid of Jenco Construction, Inc. in the amount of $677,073.86 was the lowest responsible bid received for said public improvement;

therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA, waives the irregularities in the bids that were received.

BE IT FURTHER RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA, that a contract for the 27th & Vine Culvert Reconstruction is hereby awarded to Jenco Construction, Inc. in the amount of $677,073.86 and the bond of said bidder for the project is hereby fixed in the same amount.

BE IT FURTHER RESOLVED that the City Engineer is authorized and directed to return bid bond(s) and/or check(s) to any unsuccessful bidder.

BE IT FURTHER RESOLVED that work on said project may commence as soon as the final contract and bond have been approved by the City Engineer and have been signed by the City Clerk and after the contractor is given a written notice to proceed by the City Engineer.

PASSED AND ADOPTED on this **4th** day of **March, 2019.**

_____
Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

SHIVEHATTERY
ARCHITECTURE + ENGINEERING

Client: City of West Des Moines
Project Name: 27th Street and Vine Street Box Culvert Reconstruction

27-Feb-19
WDM Project No.: 0510-045-2018
SH Project No.: 4183950

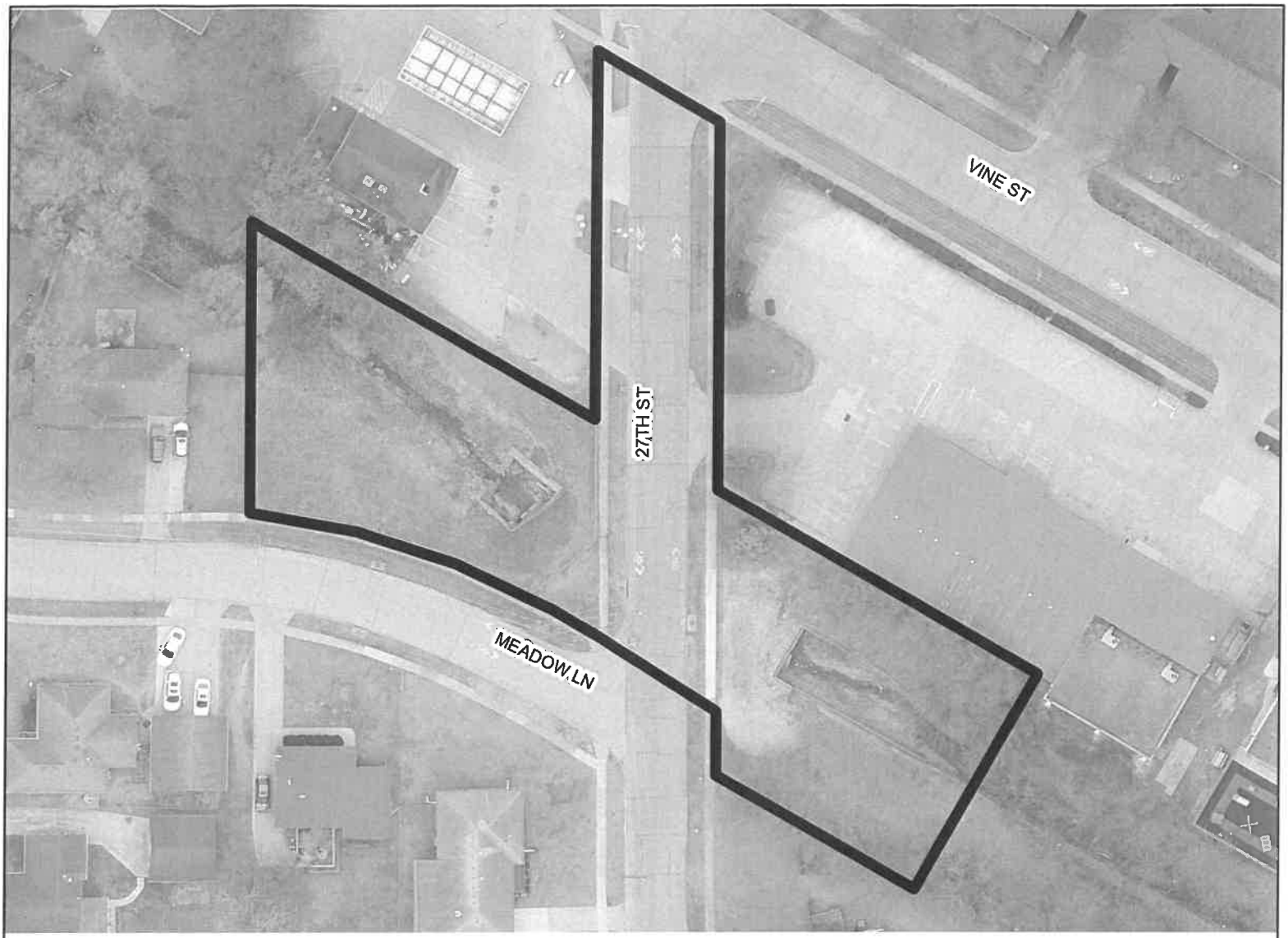
Item Number	Item Code	Description	Estimated Quantity	Units	Engineers Estimate		Jenco Construction Inc.		Progressive Structures LLC		Gus Construction Co., Inc.		Iowa Bridge & Culvert LC	
		Bid Security					X		X		X		X	
		Bidder Status Form					X		X		X		X	
					Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	1010-A-1000	REMOVALS, AS PER PLAN	1	LS	$ 15,000.00	$15,000.00	$146,500.00	$146,500.00	$10,000.00	$10,000.00	$36,700.00	$36,700.00	$30,000.00	$30,000.00
2	2010-C-1000	CLEARING AND GRUBBING	1	LS	$ 7,500.00	$7,500.00	$12,500.00	$12,500.00	$12,500.00	$12,500.00	$24,500.00	$24,500.00	$14,000.00	$14,000.00
3	2010-D-1000	TOPSOIL, ON-SITE	1	LS	$ 5,000.00	$5,000.00	$3,000.00	$3,000.00	$8,000.00	$8,000.00	$5,500.00	$5,500.00	$12,000.00	$12,000.00
4	2010-G-1012	SUBGRADE PREPARATION, 12 IN	803	SY	$ 4.00	$3,212.00	$6.00	$4,818.00	$14.00	$11,242.00	$16.00	$12,848.00	$9.00	$7,227.00
5	2010-I-1006	SUBBASE MODIFIED, 6 IN	803	SY	$ 35.00	$28,105.00	$11.00	$8,833.00	$12.00	$9,636.00	$11.00	$8,833.00	$13.00	$10,439.00
6	2010-J-2236	REMOVAL OF STORM SEWER, LESS THAN OR EQUAL TO 36 IN.	34	LF	$ 25.00	$850.00	$20.00	$680.00	$25.00	$850.00	$35.00	$1,190.00	$50.00	$1,700.00
7	2010-J-2284	REMOVAL OF STORM SEWER, GREATER THAN TO 36 IN.	261	LF	$ 35.00	$9,135.00	$25.00	$6,525.00	$50.00	$13,050.00	$45.00	$11,745.00	$61.00	$15,921.00
8	4020-A-1318	STORM SEWER, TRENCHED, RCP, CLASS III, 18 IN.	33	LF	$ 150.00	$4,950.00	$51.40	$1,696.20	$155.00	$5,115.00	$270.00	$8,910.00	$225.00	$7,425.00
9	4020-A-1324	STORM SEWER, TRENCHED, RCP, CLASS III, 24 IN.	49	LF	$ 175.00	$8,575.00	$80.80	$3,959.20	$165.00	$8,085.00	$320.00	$15,680.00	$250.00	$12,250.00
10	4020-A-1336	STORM SEWER, TRENCHED, RCP, CLASS III, 36 IN.	30	LF	$ 200.00	$6,000.00	$160.20	$4,806.00	$190.00	$5,700.00	$367.00	$11,010.00	$360.00	$10,800.00
11	7030-B-1036	APRON, CONCRETE, 36 IN.	1	EA	$ 3,000.00	$3,000.00	$4,949.00	$4,949.00	$4,500.00	$4,500.00	$5,200.00	$5,200.00	$4,650.00	$4,650.00
12	4040-A-1006	SUBDRAIN, LONGITUDINAL, (SHLD) 6 IN.	340	LF	$ 25.00	$8,500.00	$15.00	$5,100.00	$30.00	$10,200.00	$32.00	$10,880.00	$20.00	$6,800.00
13	4040-C-1006	SUBDRAIN CLEANOUT	4	EA	$ 700.00	$2,800.00	$300.00	$1,200.00	$860.00	$3,440.00	$900.00	$3,600.00	$200.00	$800.00
14	4040-D-1000	SUBDRAIN, OUTLETS AND CONNECTIONS	4	EA	$ 400.00	$1,600.00	$300.00	$1,200.00	$625.00	$2,500.00	$150.00	$600.00	$275.00	$1,100.00
15	5010-B-1008	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 8 IN.	88	LF	$ 100.00	$8,800.00	$69.00	$6,072.00	$98.00	$8,624.00	$289.00	$25,432.00	$330.00	$29,040.00
16	5010-C-1000	WATER MAIN, CONNECTION TO EXISTING MAIN	2	EA	$ 500.00	$1,000.00	$1,000.00	$2,000.00	$1,550.00	$3,100.00	$6,600.00	$13,200.00	$7,200.00	$14,400.00
17	6010-A-1066	MANHOLE, STORM SEWER, SW-402, 6' x 6'	1	EA	$ 10,000.00	$10,000.00	$13,645.00	$13,645.00	$7,500.00	$7,500.00	$12,190.00	$12,190.00	$22,100.00	$22,100.00
18	6010-B-1509	INTAKE, SW-509	2	EA	$ 6,000.00	$12,000.00	$11,206.00	$22,412.00	$6,200.00	$12,400.00	$12,300.00	$24,600.00	$13,250.00	$26,500.00
19	6010-F-1000	MANHOLE ADJUSTMENT, SANITARY, MINOR	1	EA	$ 1,500.00	$1,500.00	$500.00	$500.00	$1,500.00	$1,500.00	$2,000.00	$2,000.00	$1,660.00	$1,660.00
20	7010-A-1008	PAVEMENT, PCC, 8 IN. REINFORCED	673	SY	$ 65.00	$43,745.00	$89.00	$59,897.00	$110.00	$74,030.00	$95.00	$63,935.00	$95.00	$63,935.00
21	7030-A-1000	REMOVAL OF SIDEWALK	112	SY	$ 12.00	$1,344.00	$10.00	$1,120.00	$18.00	$2,016.00	$15.00	$1,680.00	$12.00	$1,344.00
22	7030-E-1004	SIDEWALK, PCC, 4 IN.	112	SY	$ 55.00	$6,160.00	$72.50	$8,120.00	$90.00	$10,080.00	$55.00	$6,160.00	$50.00	$5,600.00
23	7030-G-1000	DETECTABLE WARNINGS	8	SF	$ 60.00	$480.00	$35.00	$280.00	$60.00	$480.00	$45.00	$360.00	$45.00	$360.00
24	7030-H-1007	DRIVEWAY, PCC, 7 IN.	22	SY	$ 70.00	$1,540.00	$75.00	$1,650.00	$100.00	$2,200.00	$75.00	$1,650.00	$62.00	$1,364.00
25	7040-H-1000	PAVEMENT REMOVAL	704	SY	$ 8.00	$5,632.00	$8.50	$5,984.00	$19.00	$13,376.00	$15.00	$10,560.00	$15.00	$10,560.00
26	8030-A-1000	TRAFFIC CONTROL	1	LS	$ 10,000.00	$10,000.00	$4,400.00	$4,400.00	$12,000.00	$12,000.00	$6,850.00	$6,850.00	$10,000.00	$10,000.00
27	9010-B-1020	HYDRAULIC SEEDING, FERTILIZING, TYPE 1	0.30	AC	$ 3,000.00	$900.00	$6,000.00	$1,800.00	$10,000.00	$3,000.00	$6,000.00	$1,800.00	$6,700.00	$2,010.00
28	9010-B-1050	HYDRAULIC SEEDING, FERTILIZING, TYPE 4	0.60	AC	$ 1,500.00	$900.00	$500.00	$300.00	$10,000.00	$6,000.00	$500.00	$300.00	$560.00	$336.00
29	9040-D-1006	FILTER SOCK, 6 IN.	1,030	LF	$ 2.50	$2,575.00	$1.50	$1,545.00	$4.00	$4,120.00	$1.50	$1,545.00	$1.70	$1,751.00
30	9040-D-2000	FILTER SOCK, REMOVAL	1,030	LF	$ 1.00	$1,030.00	$0.20	$206.00	$1.00	$1,030.00	$0.20	$206.00	$0.25	$257.50
31	9040-E-1000	TEMPORARY RECP, TYPE 2C	1,050	SY	$ 15.00	$15,750.00	$1.35	$1,417.50	$5.00	$5,250.00	$1.35	$1,417.50	$1.50	$1,575.00
32	9040-J-1000	RIP-RAP, CLASS B	485	TON	$ 60.00	$29,100.00	$57.45	$27,863.25	$64.00	$31,040.00	$66.00	$32,010.00	$55.00	$26,675.00
33	9040-N-1000	SILT FENCE OR SILT FENCE DITCH CHECK	750	LF	$ 2.50	$1,875.00	$1.50	$1,125.00	$3.00	$2,250.00	$1.50	$1,125.00	$1.75	$1,312.50
34	9040-N-2000	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF SEDIMENT	375	LF	$ 1.00	$375.00	$0.50	$187.50	$3.00	$1,125.00	$0.50	$187.50	$0.60	$225.00
35	9040-N-3000	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	750	LF	$ 1.00	$750.00	$0.20	$150.00	$1.00	$750.00	$0.20	$150.00	$0.25	$187.50
36	9040-Q-2000	EROSION CONTROL MULCHING, HYDROMULCHING	0.9	AC	$ 2,200.00	$1,980.00	$2,750.00	$2,475.00	$8,000.00	$7,200.00	$2,750.00	$2,475.00	$3,050.00	$2,745.00
37	9040-T-1000	INLET PROTECTION DEVICE, OPEN-THROAT CURB	2	EA	$ 500.00	$1,000.00	$150.00	$300.00	$100.00	$200.00	$150.00	$300.00	$170.00	$340.00
38	9040-T-2000	INLET PROTECTION DEVICE, MAINTENANCE	4	EA	$ 100.00	$400.00	$25.00	$100.00	$50.00	$200.00	$50.00	$200.00	$55.00	$220.00
39	9050-A-1000	GABIONS, GALVANIZED, DOUBLE TWISTED WIRE BASKETS	141	CY	$ 475.00	$66,975.00	$150.00	$21,150.00	$100.00	$14,100.00	$245.00	$34,545.00	$250.00	$35,250.00
40	9060-A-1042	CHAIN LINK FENCE, 42 IN.	243	LF	$ 50.00	$12,150.00	$16.20	$3,936.60	$16.50	$4,009.50	$21.00	$5,103.00	$26.70	$6,488.10
41	9060-A-1072	CHAIN LINK FENCE, 72 IN.	135	LF	$ 65.00	$8,775.00	$43.10	$5,818.50	$44.00	$5,940.00	$54.00	$7,290.00	$84.00	$11,340.00
42	9060-B-1042	GATES, CHAIN LINK, 42 IN.	1	EA	$ 1,000.00	$1,000.00	$300.00	$300.00	$300.00	$300.00	$500.00	$500.00	$400.00	$400.00
43	9060-E-1000	REMOVAL OF FENCE	428	LF	$ 5.00	$2,140.00	$3.00	$1,284.00	$3.00	$1,284.00	$12.00	$5,136.00	$5.00	$2,140.00
44	11010-A-1000	CONSTRUCTION SURVEY	1	LS	$ 5,000.00	$5,000.00	$6,000.00	$6,000.00	$15,000.00	$15,000.00	$8,800.00	$8,800.00	$6,500.00	$6,500.00
45	10060-A-1000	CONCRETE WASHOUT	1	LS	$ 2,500.00	$2,500.00	$900.00	$900.00	$3,500.00	$3,500.00	$2,500.00	$2,500.00	$1,000.00	$1,000.00
46	2102-0425071	SPECIAL BACKFILL	139	CY	$ 30.00	$4,170.00	$35.00	$4,865.00	$110.00	$15,290.00	$88.00	$12,232.00	$80.00	$11,120.00
47	2402-0425040	FLOODED BACKFILL	152	CY	$ 70.00	$10,640.00	$25.00	$3,800.00	$56.00	$8,512.00	$91.00	$13,832.00	$90.00	$13,680.00
48	2402-2720000	EXCAVATION, CLASS 20	2,381	CY	$ 20.00	$47,620.00	$23.81	$56,691.61	$38.00	$90,478.00	$36.00	$85,716.00	$45.00	$107,145.00
49	2403-0100020	STRUCTURAL CONCRETE (RCB)	240	CY	$ 500.00	$120,000.00	$600.00	$144,000.00	$675.00	$162,000.00	$645.00	$154,800.00	$705.00	$169,200.00
50	2404-7775000	REINFORCING STEEL	32,725	LB	$ 2.00	$65,450.00	$1.50	$49,087.50	$1.50	$49,087.50	$1.78	$58,250.50	$1.60	$52,360.00
51	2418-0000010	TEMPORARY STREAM DIVERSION	1	EA	$ 7,500.00	$7,500.00	$5,000.00	$5,000.00	$35,000.00	$35,000.00	$44,000.00	$44,000.00	$60,000.00	$60,000.00
52	2506-4984001	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	21	CDAY	$ 250.00	$5,250.00	$100.00	$2,100.00	$250.00	$5,250.00	$300.00	$6,300.00	$120.00	$2,520.00
53	2528-9290050	FLOWABLE FILL	25	CY	$ 200.00	$5,000.00	$113.00	$2,825.00	$160.00	$4,000.00	$250.00	$6,250.00	$150.00	$3,750.00
		TOTAL BID				$627,233.00		$677,073.86		$728,040.00		$812,783.50		$842,502.60

I hereby certify that this 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.

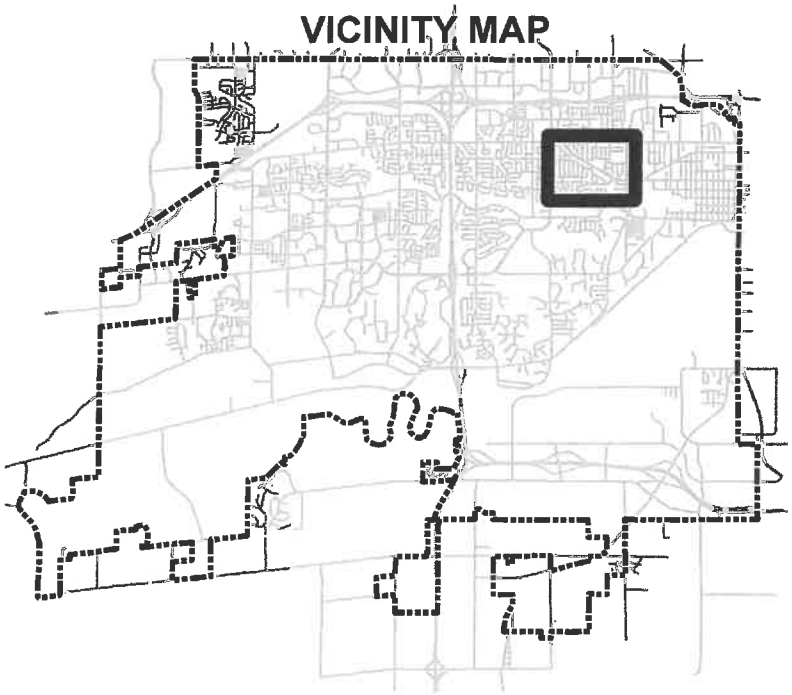
Wade Harris Feb 27 2019

Name: Wade D. Harris, PE License #:20824

Denotes corrected error on tabulation of bids.



VICINITY MAP



LEGEND

PROJECT LOCATION

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THE CITY OF WEST DES MOINES

PROJECT: **27th and Vine Culvert Reconstruction**

LOCATION: **Exhibit "A"**

DRAWN BY: JDR	DATE: 1/30/2019	PROJECT NUMBER/NAME: 0510-045-2018	SHT. 1 of 1