



**Date** February 23, 2026

**PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS,  
FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON  
SE INDUSTRIAL WATER MAIN – E. ARMY POST ROAD AND SE 45TH STREET;  
RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE  
BIDDER AS THORPE CONTRACTING LLC, TOMMY THORPE, OWNER, \$2,226,515.16**

WHEREAS, on January 12, 2026, under Roll Call No. 26-0017, plans, specifications, form of contract documents, and Engineer's estimate of construction cost were filed with the City Clerk, for the construction of the following public improvement:

SE Industrial Water Main – E. Army Post Road and SE 45th Street, Activity ID 042026008

The improvements include trenched and trenchless 12-inch and 16-inch water main installation, water service installation, partial culvert removal and replacements, full depth patching, Portland Concrete Cement (PCC) Driveways, Hot-Mix Asphalt (HMA) driveways, gravel driveways, seeding, erosion control, pavement markings, and other incidental items, all in accordance with the contract documents including Plan File No. 678-447/528, located on Hart Avenue from SE 36th Street to SE 45th Street, SE 45th Street from Hart Avenue to Pine Avenue, Army Post Road from 1,300 feet west of SE 45th Street to SE 45th Street, and Pine Avenue from SE 36th Street to SE 45th Street, Des Moines, Iowa; and

WHEREAS, notice of the hearing on the plans, specifications, form of contract documents, and Engineer's estimate of construction cost was published as required by law; and

WHEREAS, in accordance with said notice, those interested in said proposed plans, specifications, form of contract documents, and Engineer's estimate of construction cost, both for and against, have been given opportunity to be heard with respect thereto and have presented their views to the City Council.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That upon due consideration of the facts, and any and all statements of interested persons, any objections to the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said public improvement are overruled and the hearing is closed, and that said plans, specifications, form of contract documents, and Engineer's estimate of construction cost are hereby approved.

BE IT FURTHER RESOLVED: That sealed bids for said public improvement were submitted by the following bidders:

- Thorpe Contracting LLC, Clive, IA – Low Bid
- Progressive Structures, LLC, Elkader, IA
- MPS Engineers, P.C. dba Kingston Services, P.C., Des Moines, IA
- Rognes Corp., Ankeny, IA
- Evolution Contracting, LLC, Indianola, IA
- On Track Construction, LLC, Nevada, IA
- Vanderpool Construction, Inc., Indianola, IA
- S. M. Hentges & Sons Inc., Jordan, MN
- TK Concrete, Inc., Pella, IA
- Reilly Construction Co., Inc., Ossian, IA



**Roll Call Number**

**Agenda Item Number**

46

**Date** February 23, 2026

which were received and opened at a public meeting presided over by the Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa at 11:00 a.m. on January 27, 2026. Said bids and the attached tabulation of bids for said public improvement be and are hereby received and filed.

BE IT FURTHER RESOLVED: That the Des Moines City Engineer, as the Engineer, has determined that the lowest responsive, responsible bid for the construction of said public improvement was submitted by Thorpe Contracting LLC, Tommy Thorpe, Owner, 1840 NW 118th Street, Suite 102, Clive, IA, 50325 in the amount of \$2,226,515.16, and said bid be and the same is hereby accepted.

BE IT FURTHER RESOLVED: That the bid security of the unsuccessful bidders be and is hereby authorized and directed to be returned in accordance with the Instructions to Bidders.

BE IT FURTHER RESOLVED: That the Engineer is hereby directed to secure execution by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the Engineer is directed to thereafter present said contract documents to this Council for approval and authorization to the Mayor to sign; and that no contract shall be deemed to exist between the City of Des Moines and said Bidder until said contract has been executed by the Bidder, and shall have been approved by this Council and executed by the Mayor and attested to by the City Clerk.

BE IT FURTHER RESOLVED: That the City Council hereby authorizes the necessary closure of all public grounds, streets, sidewalks, alleys, bridges, culverts, overpasses, underpasses, grade crossing separations and approaches, public ways, squares, and commons for the Project.

(Council Communication No. 26-053 attached)

Moved by \_\_\_\_\_ to adopt. Second by \_\_\_\_\_

FORM APPROVED:

FUNDS AVAILABLE:

/s/ Glenna K. Frank  
Glenna K. Frank  
Deputy City Attorney

s/Nickolas J. Schaul  
Nickolas J. Schaul  
Director of Finance

**SLW** Funding Source: 2025-26 CIP, Page 157, E Army Post Rd - SE 36th to SE 45th Water Main, ST318, G.O. Bonds

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
BOESEN				
SIMONSON				
VOSS				
BARRON				
WESTERGAARD				
MANDELBAUM				
GATTO				
TOTAL				

MOTION CARRIED APPROVED  
\_\_\_\_\_  
Mayor

**CERTIFICATE**

I, Laura Baumgartner, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

\_\_\_\_\_  
City Clerk

TABULATED BY: N. Smith APPROVED BY *Phillip J. Wagner*  
CHECKED BY: *[Signature]*

CONTRACTOR'S BID TABULATION  
PROJECT: SE INDUSTRIAL WATER MAIN - E ARMY POST ROAD AND SE 45TH STREET

ESTIMATE

				Thorpe Contracting LLC Clive, IA		Progressive Structures, LLC Luxemburg, IA		MPS Engineers, P.C. dba Kingston Services, P.C. Des Moines, IA		Rognes Corp. Ankeny, IA			
				BID SECURITY 10% Bid Bond		BID SECURITY 10% Bid Bond		BID SECURITY 10% Bid Bond		BID SECURITY 10% Bid Bond			
				BID PRICE		BID PRICE		BID PRICE		BID PRICE			
ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	
1	CLEARING AND GRUBBING	778.70	UNIT	\$100.00	\$77,870.00	\$32.93	\$25,642.59	\$50.00	\$38,935.00	\$52.00	\$40,492.40	\$56.00	\$43,607.20
2	TREE TRIMMING	25.00	EA	\$300.00	\$7,500.00	\$160.29	\$4,007.25	\$130.00	\$3,250.00	\$125.00	\$3,125.00	\$947.00	\$23,675.00
3	TOPSOIL, ON-SITE	2,130.00	CY	\$40.00	\$85,200.00	\$5.13	\$10,926.90	\$5.00	\$10,650.00	\$40.00	\$85,200.00	\$10.00	\$21,300.00
4	REMOVAL OF KNOWN PIPE CULVERT, CMP, 15 IN. DIA.	22.00	LF	\$15.00	\$330.00	\$11.05	\$243.10	\$12.00	\$264.00	\$16.00	\$352.00	\$19.00	\$418.00
5	REMOVAL OF KNOWN PIPE CULVERT, CMP, 18 IN. DIA.	253.00	LF	\$18.00	\$4,554.00	\$14.41	\$3,645.73	\$12.00	\$3,036.00	\$18.00	\$4,554.00	\$19.00	\$4,807.00
6	REMOVAL OF KNOWN PIPE CULVERT, CMP, 24 IN. DIA.	20.00	LF	\$20.00	\$400.00	\$12.15	\$243.00	\$12.00	\$240.00	\$20.00	\$400.00	\$19.00	\$380.00
7	REMOVAL OF KNOWN PIPE CULVERT, CMP, 36 IN. DIA.	40.00	LF	\$30.00	\$1,200.00	\$18.23	\$729.20	\$12.00	\$480.00	\$32.00	\$1,280.00	\$26.00	\$1,040.00
8	TRENCH FOUNDATION REMOVAL, DISPOSAL, AND REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	1,000.00	TON	\$40.00	\$40,000.00	\$53.67	\$53,670.00	\$56.00	\$56,000.00	\$12.00	\$12,000.00	\$65.00	\$65,000.00
9	PIPE CULVERT, TRENCHED, 15 IN. DIA.	1,500.00	CY	\$75.00	\$112,500.00	\$24.36	\$36,540.00	\$60.00	\$90,000.00	\$12.00	\$18,000.00	\$56.00	\$84,000.00
10	PIPE CULVERT, TRENCHED, 18 IN. DIA.	22.00	LF	\$100.00	\$2,200.00	\$80.15	\$1,763.30	\$100.00	\$2,200.00	\$86.00	\$1,892.00	\$167.00	\$3,674.00
11	PIPE CULVERT, TRENCHED, 24 IN. DIA.	253.00	LF	\$120.00	\$30,360.00	\$59.46	\$15,043.38	\$105.00	\$26,565.00	\$98.00	\$24,794.00	\$143.00	\$36,179.00
12	PIPE CULVERT, TRENCHED, 36 IN. DIA.	20.00	LF	\$150.00	\$3,000.00	\$82.09	\$1,641.80	\$110.00	\$2,200.00	\$132.00	\$2,640.00	\$186.00	\$3,720.00
13	PIPE APRON, CMP, 15 IN. DIA.	40.00	LF	\$200.00	\$8,000.00	\$219.79	\$8,791.60	\$145.00	\$5,800.00	\$212.00	\$8,480.00	\$227.00	\$9,080.00
14	PIPE APRON, CMP, 18 IN. DIA.	2.00	EA	\$500.00	\$1,000.00	\$294.62	\$589.24	\$405.00	\$810.00	\$500.00	\$1,000.00	\$1,210.00	\$2,420.00
15	PIPE APRON, CMP, 24 IN. DIA.	14.00	EA	\$750.00	\$10,500.00	\$467.41	\$6,543.74	\$450.00	\$6,300.00	\$750.00	\$10,500.00	\$1,500.00	\$21,000.00
16	PIPE APRON, CMP, 36 IN. DIA.	1.00	EA	\$1,000.00	\$1,000.00	\$550.76	\$550.76	\$550.00	\$550.00	\$1,000.00	\$1,000.00	\$1,575.00	\$1,575.00
17	PIPE APRON, TRENCHED, 12 IN.	2.00	EA	\$2,500.00	\$5,000.00	\$1,236.80	\$2,473.60	\$1,200.00	\$2,400.00	\$2,250.00	\$4,500.00	\$2,695.00	\$5,390.00
18	WATER MAIN, TRENCHED, PVC, 12 IN.	12,448.00	LF	\$85.00	\$1,058,080.00	\$56.35	\$701,444.80	\$75.50	\$939,824.00	\$79.00	\$983,392.00	\$72.00	\$896,256.00
19	WATER MAIN, TRENCHED, PVC, RESTRAINED JOINTS, 12 IN.	572.00	LF	\$105.00	\$60,060.00	\$105.31	\$60,237.32	\$120.00	\$68,640.00	\$100.00	\$57,200.00	\$147.00	\$84,084.00
20	WATER MAIN, TRENCHED, PVC, 16 IN.	3,302.00	LF	\$100.00	\$330,200.00	\$64.45	\$212,813.90	\$83.50	\$275,717.00	\$96.00	\$316,992.00	\$87.00	\$287,274.00
21	WATER MAIN, TRENCHED, PVC, RESTRAINED JOINTS, 16 IN.	146.00	LF	\$115.00	\$16,790.00	\$176.70	\$25,798.20	\$180.00	\$26,280.00	\$112.00	\$16,352.00	\$204.00	\$29,784.00
22	WATER MAIN, TRENCHLESS, PVC, RESTRAINED JOINTS, 12 IN. WATER MAIN, TRENCHLESS, PVC, RESTRAINED JOINTS, 12 IN., WITH 20 IN. PVC CASING PIPE	116.00	LF	\$600.00	\$69,600.00	\$247.13	\$28,667.08	\$240.00	\$27,840.00	\$276.00	\$32,016.00	\$443.00	\$51,388.00
23	WATER MAIN, TRENCHLESS, PVC, RESTRAINED JOINTS, 16 IN.	216.00	LF	\$1,000.00	\$216,000.00	\$399.95	\$86,389.20	\$900.00	\$194,400.00	\$546.00	\$117,936.00	\$1,005.00	\$217,080.00
24	FITTINGS BY WEIGHT, DUCTILE IRON NEW WATER SERVICE, TRENCHED, COPPER, 1 IN., SHORT SIDE	40.00	LF	\$800.00	\$32,000.00	\$1,490.93	\$59,637.20	\$460.00	\$18,400.00	\$375.00	\$15,000.00	\$1,075.00	\$43,000.00
25	NEW WATER SERVICE, TRENCHLESS, COPPER, 1 IN., LONG SIDE	6,016.00	LBS	\$15.00	\$90,240.00	\$13.76	\$82,780.16	\$16.50	\$99,264.00	\$18.00	\$108,288.00	\$18.00	\$108,288.00
26	VALVE, GATE, 12 IN.	5.00	EA	\$5,000.00	\$25,000.00	\$2,336.01	\$11,680.05	\$2,400.00	\$12,000.00	\$3,850.00	\$19,250.00	\$3,045.00	\$15,225.00
27	VALVE, GATE, 16 IN.	2.00	EA	\$6,000.00	\$12,000.00	\$11,178.90	\$22,357.80	\$4,350.00	\$8,700.00	\$6,000.00	\$12,000.00	\$5,940.00	\$11,880.00
28	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE, STA. 100+00	6.00	EA	\$8,500.00	\$51,000.00	\$5,327.92	\$31,967.52	\$3,000.00	\$18,000.00	\$7,500.00	\$45,000.00	\$4,770.00	\$28,620.00
29	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE, STA. 300+00	2.00	EA	\$12,500.00	\$25,000.00	\$13,374.50	\$26,749.00	\$13,000.00	\$26,000.00	\$11,600.00	\$23,200.00	\$12,460.00	\$24,920.00
30	TAPPING FEE, 12 IN. X 12 IN.	1.00	EA	\$5,000.00	\$5,000.00	\$4,171.91	\$4,171.91	\$2,700.00	\$2,700.00	\$6,800.00	\$6,800.00	\$10,100.00	\$10,100.00
31	FIRE HYDRANT ASSEMBLY	2.00	EA	\$10,000.00	\$20,000.00	\$8,848.03	\$17,696.06	\$9,000.00	\$18,000.00	\$7,000.00	\$14,000.00	\$8,480.00	\$16,960.00
32	REMOVAL OF DRIVEWAY	20.00	EA	\$7,500.00	\$150,000.00	\$8,967.15	\$179,343.00	\$9,500.00	\$190,000.00	\$8,000.00	\$160,000.00	\$9,350.00	\$187,000.00
33	DRIVEWAY, PAVED, PCC, 7 IN.	143.00	SY	\$15.00	\$2,145.00	\$4.90	\$700.70	\$14.00	\$2,002.00	\$15.00	\$2,145.00	\$11.00	\$1,573.00
34	DRIVEWAY, PAVED, HMA, 6 IN.	74.00	SY	\$65.00	\$4,810.00	\$104.87	\$7,760.38	\$100.00	\$7,400.00	\$68.00	\$5,032.00	\$85.00	\$6,290.00
35	DRIVEWAY, GRANULAR, 6 IN.	69.00	SY	\$60.00	\$4,140.00	\$102.59	\$7,078.71	\$80.00	\$5,520.00	\$80.00	\$5,520.00	\$90.00	\$6,210.00
36	DRIVEWAY, TEMPORARY, GRANULAR, 6 IN.	183.00	TON	\$45.00	\$8,235.00	\$54.43	\$9,960.69	\$42.00	\$7,686.00	\$45.00	\$8,235.00	\$48.00	\$8,784.00
37	FULL DEPTH PATCHES, COMPOSITE, 9 IN.	150.00	TON	\$40.00	\$6,000.00	\$53.20	\$7,980.00	\$45.00	\$6,750.00	\$40.00	\$6,000.00	\$104.00	\$15,600.00
38	GRANULAR SHOULDERS, TYPE B	746.00	SY	\$200.00	\$149,200.00	\$180.74	\$134,832.04	\$215.00	\$160,390.00	\$144.00	\$107,424.00	\$184.00	\$137,264.00
39	PAINTED PAVEMENT MARKINGS, EPOXY	280.00	TON	\$50.00	\$14,000.00	\$54.43	\$15,240.40	\$65.00	\$18,200.00	\$45.00	\$12,600.00	\$51.00	\$14,280.00
40	PAINTED SYMBOLS AND LEGENDS, EPOXY	3.00	STA	\$250.00	\$750.00	\$2,500.53	\$7,501.59	\$1,450.00	\$4,350.00	\$2,000.00	\$6,000.00	\$1,635.00	\$4,905.00
41	TEMPORARY TRAFFIC CONTROL	1.00	EA	\$500.00	\$500.00	\$641.16	\$641.16	\$450.00	\$450.00	\$750.00	\$750.00	\$507.00	\$507.00
42	REMOVE AND REINSTALL SIGN	1.00	LS	\$50,000.00	\$50,000.00	\$25,518.22	\$25,518.22	\$9,000.00	\$9,000.00	\$29,500.00	\$29,500.00	\$19,010.00	\$19,010.00
43	REMOVAL OF STEEL BEAM GUARDRAIL	19.00	EA	\$500.00	\$9,500.00	\$320.58	\$6,091.02	\$450.00	\$8,550.00	\$210.00	\$3,990.00	\$479.00	\$91,100.00
44	STEEL BEAM GUARDRAIL	202.50	LF	\$15.00	\$3,037.50	\$5.86	\$1,186.65	\$4.00	\$810.00	\$20.00	\$4,050.00	\$21.00	\$4,252.50
45	STEEL BEAM GUARDRAIL	150.00	LF	\$40.00	\$6,000.00	\$37.19	\$5,578.50	\$55.00	\$8,250.00	\$30.00	\$4,500.00	\$33.00	\$4,950.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
47	STEEL BEAM GUARDRAIL FLARED END TERMINAL, BA-206	2.00 EA	\$4,000.00	\$8,000.00	\$3,782.85	\$7,565.70	\$4,500.00	\$9,000.00	\$3,200.00	\$6,400.00	\$3,325.00	\$6,650.00
48	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 1	2.20 AC	\$5,000.00	\$11,000.00	\$3,590.50	\$7,899.10	\$3,000.00	\$6,600.00	\$3,200.00	\$7,040.00	\$3,160.00	\$6,952.00
49	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 2	7.00 AC	\$5,000.00	\$35,000.00	\$3,077.57	\$21,542.99	\$2,550.00	\$17,850.00	\$2,700.00	\$18,900.00	\$2,705.00	\$18,935.00
50	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 5	9.20 AC	\$4,000.00	\$36,800.00	\$2,308.18	\$21,235.26	\$1,450.00	\$13,340.00	\$1,500.00	\$13,800.00	\$2,030.00	\$18,676.00
51	SWPPP PREPARATION AND MAINTENANCE	1.00 LS	\$25,000.00	\$25,000.00	\$11,733.25	\$11,733.25	\$7,000.00	\$7,000.00	\$7,200.00	\$7,200.00	\$10,320.00	\$10,320.00
52	FILTER SOCK, 9 IN.	7,500.00 LF	\$4.00	\$30,000.00	\$2.24	\$16,800.00	\$2.00	\$15,000.00	\$1.90	\$14,250.00	\$2.00	\$15,000.00
53	FILTER SOCK REMOVAL	7,500.00 LF	\$1.00	\$7,500.00	\$0.06	\$450.00	\$1.00	\$7,500.00	\$0.60	\$4,500.00	\$0.10	\$750.00
54	RIP RAP, CLASS E	250.00 TON	\$75.00	\$18,750.00	\$134.64	\$33,660.00	\$84.00	\$21,000.00	\$82.00	\$20,500.00	\$106.00	\$26,500.00
55	SILT FENCE	1,500.00 LF	\$5.00	\$7,500.00	\$2.24	\$3,360.00	\$2.50	\$3,750.00	\$2.50	\$3,750.00	\$2.00	\$3,000.00
56	SILT FENCE, REMOVAL OF SEDIMENT	2.00 EA	\$5,000.00	\$10,000.00	\$641.16	\$1,282.32	\$500.00	\$1,000.00	\$500.00	\$1,000.00	\$564.00	\$1,128.00
57	SILT FENCE, REMOVAL	1,500.00 LF	\$1.00	\$1,500.00	\$0.06	\$90.00	\$1.00	\$1,500.00	\$1.00	\$1,500.00	\$0.10	\$150.00
58	TREE PROTECTION FENCE	500.00 LF	\$10.00	\$5,000.00	\$12.50	\$6,250.00	\$5.00	\$2,500.00	\$10.00	\$5,000.00	\$13.00	\$6,500.00
59	TREE TRUNK PROTECTION	10.00 EA	\$250.00	\$2,500.00	\$737.34	\$7,373.40	\$500.00	\$5,000.00	\$250.00	\$2,500.00	\$817.00	\$8,170.00
60	MOBILIZATION	1.00 LS	\$116,548.50	\$116,548.50	\$126,103.60	\$126,103.60	\$58,000.00	\$58,000.00	\$174,000.00	\$174,000.00	\$47,000.00	\$47,000.00
61	MAINTENANCE OF POSTAL SERVICE	1.00 LS	\$10,000.00	\$10,000.00	\$641.16	\$641.16	\$4,200.00	\$4,200.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
62	MAINTENANCE OF SOLID WASTE COLLECTION	1.00 LS	\$5,000.00	\$5,000.00	\$1,200.26	\$1,200.26	\$4,200.00	\$4,200.00	\$13,464.00	\$13,464.00	\$4,000.00	\$4,000.00
63	CONCRETE WASHOUT	1 LS	\$5,000.00	\$5,000.00	\$307.76	\$307.76	\$2,000.00	\$2,000.00	\$2,499.60	\$2,499.60	\$1,130.00	\$1,130.00
TOTAL CONSTRUCTION COST				\$3,150,000.00		\$2,226,515.16		\$2,596,943.00		\$2,650,485.00		\$2,760,811.70
PERCENT OF ENGINEER'S ESTIMATE						-29.32%		-17.56%		-15.86%		-12.36%
						Low						

TABULATED BY: N. Smith APPROVED BY *Chills J. Wagen*  
CHECKED BY: *[Signature]*

CONTRACTOR'S BID TABULATION  
PROJECT: SE INDUSTRIAL WATER MAIN - E ARMY POST ROAD AND SE 45TH STREET

ESTIMATE

				Evolution Contracting, LLC Grimes, IA		On Track Construction, LLC Nevada, IA		Vanderpool Construction, Inc. Indianola, IA		S. M. Hentges & Sons Inc. Jordan, MN	
				BID SECURITY 10% Bid Bond		BID SECURITY 10% Bid Bond		BID SECURITY 10% Bid Bond		BID SECURITY 10% Bid Bond	
				BID PRICE		BID PRICE		BID PRICE		BID PRICE	
ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT
1	CLEARING AND GRUBBING	778.70	UNIT	\$100.00	\$77,870.00	\$116.00	\$90,329.20	\$49.00	\$38,156.30	\$100.00	\$77,870.00
2	TREE TRIMMING	25.00	EA	\$300.00	\$7,500.00	\$1,713.00	\$42,825.00	\$126.00	\$3,150.00	\$750.00	\$18,750.00
3	TOPSOIL, ON-SITE	2,130.00	CY	\$40.00	\$85,200.00	\$8.50	\$18,105.00	\$13.00	\$27,690.00	\$32.00	\$68,160.00
4	REMOVAL OF KNOWN PIPE CULVERT, CMP, 15 IN. DIA.	22.00	LF	\$15.00	\$330.00	\$60.00	\$1,320.00	\$14.00	\$308.00	\$30.00	\$660.00
5	REMOVAL OF KNOWN PIPE CULVERT, CMP, 18 IN. DIA.	253.00	LF	\$18.00	\$4,554.00	\$60.00	\$15,180.00	\$15.00	\$3,795.00	\$31.00	\$7,843.00
6	REMOVAL OF KNOWN PIPE CULVERT, CMP, 24 IN. DIA.	20.00	LF	\$20.00	\$400.00	\$61.00	\$1,220.00	\$23.00	\$460.00	\$33.00	\$660.00
7	REMOVAL OF KNOWN PIPE CULVERT, CMP, 36 IN. DIA.	40.00	LF	\$30.00	\$1,200.00	\$73.00	\$2,920.00	\$20.00	\$800.00	\$34.00	\$1,360.00
8	TRENCH FOUNDATION REMOVAL, DISPOSAL, AND REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	1,000.00	TON	\$40.00	\$40,000.00	\$72.00	\$72,000.00	\$65.00	\$65,000.00	\$45.00	\$45,000.00
9	PIPE CULVERT, TRENCHED, 15 IN. DIA.	1,500.00	CY	\$75.00	\$112,500.00	\$39.00	\$58,500.00	\$41.00	\$61,500.00	\$10.00	\$15,000.00
10	PIPE CULVERT, TRENCHED, 18 IN. DIA.	22.00	LF	\$100.00	\$2,200.00	\$103.00	\$2,266.00	\$75.00	\$1,650.00	\$74.00	\$1,628.00
11	PIPE CULVERT, TRENCHED, 24 IN. DIA.	253.00	LF	\$120.00	\$30,360.00	\$93.00	\$23,529.00	\$54.00	\$13,662.00	\$90.00	\$22,770.00
12	PIPE CULVERT, TRENCHED, 36 IN. DIA.	20.00	LF	\$150.00	\$3,000.00	\$171.00	\$3,420.00	\$117.00	\$2,340.00	\$142.00	\$2,840.00
13	PIPE APRON, CMP, 15 IN. DIA.	40.00	EA	\$200.00	\$8,000.00	\$289.00	\$11,560.00	\$155.00	\$6,200.00	\$184.00	\$7,360.00
14	PIPE APRON, CMP, 18 IN. DIA.	2.00	EA	\$500.00	\$1,000.00	\$561.00	\$1,122.00	\$460.00	\$920.00	\$300.00	\$600.00
15	PIPE APRON, CMP, 24 IN. DIA.	14.00	EA	\$750.00	\$10,500.00	\$605.00	\$8,470.00	\$500.00	\$7,000.00	\$350.00	\$4,900.00
16	PIPE APRON, CMP, 36 IN. DIA.	1.00	EA	\$1,000.00	\$1,000.00	\$675.00	\$675.00	\$565.00	\$565.00	\$575.00	\$575.00
17	WATER MAIN, TRENCHED, PVC, 12 IN.	2.00	EA	\$2,500.00	\$5,000.00	\$1,257.00	\$2,514.00	\$1,435.00	\$2,870.00	\$1,275.00	\$2,550.00
18	WATER MAIN, TRENCHED, PVC, RESTRAINED JOINTS, 12 IN.	12,448.00	LF	\$85.00	\$1,058,080.00	\$59.00	\$734,432.00	\$61.00	\$759,328.00	\$71.00	\$883,808.00
19	WATER MAIN, TRENCHED, PVC, RESTRAINED JOINTS, 16 IN.	572.00	LF	\$105.00	\$60,060.00	\$105.00	\$60,060.00	\$145.00	\$82,940.00	\$108.00	\$61,776.00
20	WATER MAIN, TRENCHED, PVC, RESTRAINED JOINTS, 24 IN.	3,302.00	LF	\$100.00	\$330,200.00	\$68.00	\$224,536.00	\$69.00	\$227,838.00	\$83.00	\$274,066.00
21	WATER MAIN, TRENCHED, PVC, RESTRAINED JOINTS, 36 IN.	146.00	LF	\$115.00	\$16,790.00	\$168.00	\$24,528.00	\$236.00	\$34,456.00	\$210.00	\$30,660.00
22	WATER MAIN, TRENCHLESS, PVC, RESTRAINED JOINTS, 12 IN.	116.00	LF	\$600.00	\$69,600.00	\$316.00	\$36,656.00	\$502.00	\$58,232.00	\$307.00	\$35,612.00
23	WATER MAIN, TRENCHLESS, PVC, RESTRAINED JOINTS, 16 IN.	216.00	LF	\$1,000.00	\$216,000.00	\$1,150.00	\$248,400.00	\$1,110.00	\$239,760.00	\$975.00	\$210,600.00
24	WATER MAIN, TRENCHLESS, PVC, RESTRAINED JOINTS, 24 IN.	40.00	LF	\$800.00	\$32,000.00	\$563.00	\$22,520.00	\$1,044.00	\$41,760.00	\$823.00	\$32,920.00
25	FITTINGS BY WEIGHT, DUCTILE IRON NEW WATER SERVICE, TRENCHED, COPPER, 1 IN., SHORT SIDE	6,016.00	LBS	\$15.00	\$90,240.00	\$27.50	\$165,440.00	\$37.00	\$222,592.00	\$17.00	\$102,272.00
26	NEW WATER SERVICE, TRENCHLESS, COPPER, 1 IN., LONG SIDE	5.00	EA	\$5,000.00	\$25,000.00	\$3,722.00	\$18,610.00	\$3,520.00	\$17,600.00	\$3,500.00	\$17,500.00
27	VALVE, GATE, 12 IN.	2.00	EA	\$6,000.00	\$12,000.00	\$8,800.00	\$17,600.00	\$7,605.00	\$15,210.00	\$7,500.00	\$15,000.00
28	VALVE, GATE, 16 IN.	6.00	EA	\$8,500.00	\$51,000.00	\$5,127.00	\$30,762.00	\$5,375.00	\$32,250.00	\$6,400.00	\$38,400.00
29	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE, STA. 100+00	2.00	EA	\$12,500.00	\$25,000.00	\$12,486.00	\$24,972.00	\$12,805.00	\$25,610.00	\$15,500.00	\$31,000.00
30	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE, STA. 300+00	1.00	EA	\$5,000.00	\$5,000.00	\$8,445.00	\$8,445.00	\$13,475.00	\$13,475.00	\$4,400.00	\$4,400.00
31	TAPPING FEE, 12 IN. X 12 IN.	1.00	EA	\$5,000.00	\$5,000.00	\$8,445.00	\$8,445.00	\$13,265.00	\$13,265.00	\$4,400.00	\$4,400.00
32	FIRE HYDRANT ASSEMBLY	2.00	EA	\$10,000.00	\$20,000.00	\$8,700.00	\$17,400.00	\$6,970.00	\$13,940.00	\$10,200.00	\$20,400.00
33	REMOVAL OF DRIVEWAY	20.00	EA	\$7,500.00	\$150,000.00	\$8,800.00	\$176,000.00	\$9,365.00	\$187,300.00	\$10,400.00	\$208,000.00
34	DRIVEWAY, PAVED, PCC, 7 IN.	143.00	SY	\$15.00	\$2,145.00	\$32.00	\$4,576.00	\$25.00	\$3,575.00	\$25.00	\$3,575.00
35	DRIVEWAY, PAVED, HMA, 6 IN.	74.00	SY	\$65.00	\$4,810.00	\$144.00	\$10,656.00	\$111.00	\$8,214.00	\$142.00	\$10,508.00
36	DRIVEWAY, GRANULAR, 6 IN.	69.00	SY	\$60.00	\$4,140.00	\$122.00	\$8,418.00	\$306.00	\$21,114.00	\$146.00	\$10,074.00
37	DRIVEWAY, TEMPORARY, GRANULAR, 6 IN.	183.00	TON	\$45.00	\$8,235.00	\$57.00	\$10,431.00	\$45.00	\$8,235.00	\$65.00	\$11,895.00
38	FULL DEPTH PATCHES, COMPOSITE, 9 IN.	150.00	TON	\$40.00	\$6,000.00	\$57.00	\$8,550.00	\$40.00	\$6,000.00	\$65.00	\$9,750.00
39	GRANULAR SHOULDERS, TYPE B	746.00	SY	\$200.00	\$149,200.00	\$195.00	\$145,470.00	\$170.00	\$126,820.00	\$188.00	\$140,248.00
40	PAINTED PAVEMENT MARKINGS, EPOXY	280.00	TON	\$50.00	\$14,000.00	\$77.00	\$21,560.00	\$48.00	\$13,440.00	\$72.00	\$20,160.00
41	PAINTED SYMBOLS AND LEGENDS, EPOXY	3.00	STA	\$250.00	\$750.00	\$2,355.00	\$7,065.00	\$1,465.00	\$4,395.00	\$2,100.00	\$6,300.00
42	TEMPORARY TRAFFIC CONTROL	1.00	EA	\$500.00	\$500.00	\$652.00	\$652.00	\$455.00	\$455.00	\$525.00	\$525.00
43	REMOVE AND REINSTALL SIGN	1.00	LS	\$50,000.00	\$50,000.00	\$29,330.00	\$29,330.00	\$10,200.00	\$10,200.00	\$11,500.00	\$11,500.00
44	REMOVAL OF STEEL BEAM GUARDRAIL	19.00	EA	\$500.00	\$9,500.00	\$1,143.00	\$21,717.00	\$430.00	\$8,170.00	\$265.00	\$5,035.00
45	STEEL BEAM GUARDRAIL	202.50	LF	\$15.00	\$3,037.50	\$21.00	\$4,252.50	\$18.00	\$3,645.00	\$18.00	\$3,645.00
46	STEEL BEAM GUARDRAIL	150.00	LF	\$40.00	\$6,000.00	\$78.00	\$11,700.00	\$61.00	\$9,150.00	\$59.00	\$8,850.00

ITEM	DESCRIPTION	QUANTITY	UNIT									
			PRICE	AMOUNT								
47	STEEL BEAM GUARDRAIL FLARED END TERMINAL, BA-206	2.00 EA	\$4,000.00	\$8,000.00	\$6,262.00	\$12,524.00	\$4,848.00	\$9,696.00	\$4,800.00	\$9,600.00	\$5,670.00	\$11,340.00
48	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 1	2.20 AC	\$5,000.00	\$11,000.00	\$3,211.00	\$7,064.20	\$2,828.00	\$6,221.60	\$4,225.00	\$9,295.00	\$4,070.00	\$8,954.00
49	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 2	7.00 AC	\$5,000.00	\$35,000.00	\$2,764.00	\$19,348.00	\$2,424.00	\$16,968.00	\$3,425.00	\$23,975.00	\$3,375.00	\$23,625.00
50	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 5	9.20 AC	\$4,000.00	\$36,800.00	\$2,075.00	\$19,090.00	\$1,818.00	\$16,725.60	\$2,350.00	\$21,620.00	\$1,970.00	\$18,124.00
51	SWPPP PREPARATION AND MAINTENANCE	1.00 LS	\$25,000.00	\$25,000.00	\$10,325.00	\$10,325.00	\$9,242.00	\$9,242.00	\$6,000.00	\$6,000.00	\$6,290.00	\$6,290.00
52	FILTER SOCK, 9 IN.	7,500.00 LF	\$4.00	\$30,000.00	\$2.00	\$15,000.00	\$1.80	\$13,500.00	\$1.85	\$13,875.00	\$1.70	\$12,750.00
53	FILTER SOCK REMOVAL	7,500.00 LF	\$1.00	\$7,500.00	\$0.10	\$750.00	\$0.10	\$750.00	\$0.20	\$1,500.00	\$0.26	\$1,950.00
54	RIP RAP, CLASS E	250.00 TON	\$75.00	\$18,750.00	\$152.00	\$38,000.00	\$75.00	\$18,750.00	\$121.00	\$30,250.00	\$90.00	\$22,500.00
55	SILT FENCE	1,500.00 LF	\$5.00	\$7,500.00	\$2.00	\$3,000.00	\$1.80	\$2,700.00	\$1.85	\$2,775.00	\$1.70	\$2,550.00
56	SILT FENCE, REMOVAL OF SEDIMENT	2.00 EA	\$5,000.00	\$10,000.00	\$550.00	\$1,100.00	\$505.00	\$1,010.00	\$105.00	\$210.00	\$516.00	\$1,032.00
57	SILT FENCE, REMOVAL	1,500.00 LF	\$1.00	\$1,500.00	\$0.50	\$750.00	\$0.10	\$150.00	\$0.25	\$375.00	\$0.01	\$15.00
58	TREE PROTECTION FENCE	500.00 LF	\$10.00	\$5,000.00	\$31.00	\$15,500.00	\$9.80	\$4,900.00	\$4.25	\$2,125.00	\$3.20	\$1,600.00
59	TREE TRUNK PROTECTION	10.00 EA	\$250.00	\$2,500.00	\$2,280.00	\$22,800.00	\$580.00	\$5,800.00	\$505.00	\$5,050.00	\$387.00	\$3,870.00
60	MOBILIZATION	1.00 LS	\$116,548.50	\$116,548.50	\$175,614.00	\$175,614.00	\$279,187.50	\$279,187.50	\$249,500.00	\$249,500.00	\$211,268.00	\$211,268.00
61	MAINTENANCE OF POSTAL SERVICE	1.00 LS	\$10,000.00	\$10,000.00	\$13,500.00	\$13,500.00	\$2,515.00	\$2,515.00	\$6,000.00	\$6,000.00	\$5,500.00	\$5,500.00
62	MAINTENANCE OF SOLID WASTE COLLECTION	1.00 LS	\$5,000.00	\$5,000.00	\$13,500.00	\$13,500.00	\$1,885.00	\$1,885.00	\$5,000.00	\$5,000.00	\$8,100.00	\$8,100.00
63	CONCRETE WASHOUT	1 LS	\$5,000.00	\$5,000.00	\$6,540.10	\$6,540.10	\$1,500.00	\$1,500.00	\$10,000.00	\$10,000.00	\$7,500.00	\$7,500.00
TOTAL CONSTRUCTION COST				\$3,150,000.00		\$2,833,544.00		\$2,836,536.00		\$2,888,555.00		\$3,043,043.00
PERCENT OF ENGINEER'S ESTIMATE						-10.05%		-9.95%		-8.30%		-3.40%

BID DATE: 1/27/26

TABULATED BY: N. Smith APPROVED BY Chills J. Wagon  
CHECKED BY: [Signature]

TK Concrete, Inc.  
Pella, IA

Reilly Construction Co., Inc.  
Ossian, IA

CONTRACTOR'S BID TABULATION  
PROJECT: SE INDUSTRIAL WATER MAIN - E ARMY POST ROAD AND SE 45TH STREET

BID SECURITY  
10% Bid Bond

BID SECURITY  
10% Bid Bond

BID PRICE

BID PRICE

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	
1	CLEARING AND GRUBBING	778.70	UNIT	\$100.00	\$77,870.00	\$100.00	\$77,870.00	\$60.00	\$46,722.00
2	TREE TRIMMING	25.00	EA	\$300.00	\$7,500.00	\$1,000.00	\$25,000.00	\$150.00	\$3,750.00
3	TOPSOIL, ON-SITE	2,130.00	CY	\$40.00	\$85,200.00	\$17.50	\$37,275.00	\$55.00	\$117,150.00
4	REMOVAL OF KNOWN PIPE CULVERT, CMP, 15 IN. DIA.	22.00	LF	\$15.00	\$330.00	\$30.00	\$660.00	\$50.00	\$1,100.00
5	REMOVAL OF KNOWN PIPE CULVERT, CMP, 18 IN. DIA.	253.00	LF	\$18.00	\$4,554.00	\$30.00	\$7,590.00	\$50.00	\$12,650.00
6	REMOVAL OF KNOWN PIPE CULVERT, CMP, 24 IN. DIA.	20.00	LF	\$20.00	\$400.00	\$30.00	\$600.00	\$50.00	\$1,000.00
7	REMOVAL OF KNOWN PIPE CULVERT, CMP, 36 IN. DIA.	40.00	LF	\$30.00	\$1,200.00	\$30.00	\$1,200.00	\$50.00	\$2,000.00
8	TRENCH FOUNDATION REMOVAL, DISPOSAL, AND REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	1,000.00	TON	\$40.00	\$40,000.00	\$55.00	\$55,000.00	\$62.50	\$62,500.00
9	PIPE CULVERT, TRENCHED, 15 IN. DIA.	1,500.00	CY	\$75.00	\$112,500.00	\$80.00	\$120,000.00	\$92.50	\$138,750.00
10	PIPE CULVERT, TRENCHED, 18 IN. DIA.	22.00	LF	\$100.00	\$2,200.00	\$140.00	\$3,080.00	\$110.00	\$2,420.00
11	PIPE CULVERT, TRENCHED, 24 IN. DIA.	253.00	LF	\$120.00	\$30,360.00	\$95.00	\$24,035.00	\$90.00	\$22,770.00
12	PIPE CULVERT, TRENCHED, 36 IN. DIA.	20.00	LF	\$150.00	\$3,000.00	\$185.00	\$3,700.00	\$105.00	\$2,100.00
13	PIPE APRON, CMP, 15 IN. DIA.	40.00	LF	\$200.00	\$8,000.00	\$175.00	\$7,000.00	\$135.00	\$5,400.00
14	PIPE APRON, CMP, 18 IN. DIA.	2.00	EA	\$500.00	\$1,000.00	\$1,125.00	\$2,250.00	\$1,000.00	\$2,000.00
15	PIPE APRON, CMP, 24 IN. DIA.	14.00	EA	\$750.00	\$10,500.00	\$1,150.00	\$16,100.00	\$1,000.00	\$14,000.00
16	PIPE APRON, CMP, 36 IN. DIA.	1.00	EA	\$1,000.00	\$1,000.00	\$1,250.00	\$1,250.00	\$1,100.00	\$1,100.00
17	WATER MAIN, TRENCHED, PVC, 12 IN.	2.00	EA	\$2,500.00	\$5,000.00	\$2,000.00	\$4,000.00	\$1,750.00	\$3,500.00
18	WATER MAIN, TRENCHED, PVC, RESTRAINED JOINTS, 12 IN.	12,448.00	LF	\$85.00	\$1,058,080.00	\$84.00	\$1,045,632.00	\$100.00	\$1,244,800.00
19	WATER MAIN, TRENCHED, PVC, RESTRAINED JOINTS, 16 IN.	572.00	LF	\$105.00	\$60,060.00	\$145.00	\$82,940.00	\$130.00	\$74,360.00
20	WATER MAIN, TRENCHED, PVC, RESTRAINED JOINTS, 24 IN.	3,302.00	LF	\$100.00	\$330,200.00	\$95.00	\$313,690.00	\$110.00	\$363,220.00
21	WATER MAIN, TRENCHLESS, PVC, RESTRAINED JOINTS, 12 IN.	146.00	LF	\$115.00	\$16,790.00	\$220.00	\$32,120.00	\$605.00	\$88,330.00
22	WATER MAIN, TRENCHLESS, PVC, RESTRAINED JOINTS, 16 IN.	116.00	LF	\$600.00	\$69,600.00	\$600.00	\$69,600.00	\$1,225.00	\$142,100.00
23	WATER MAIN, TRENCHLESS, PVC, RESTRAINED JOINTS, 24 IN.	6,016.00	LBS	\$15.00	\$90,240.00	\$21.00	\$126,336.00	\$22.00	\$132,352.00
24	NEW WATER SERVICE, TRENCHED, COPPER, 1 IN., SHORT SIDE	5.00	EA	\$5,000.00	\$25,000.00	\$7,900.00	\$39,500.00	\$6,000.00	\$30,000.00
25	NEW WATER SERVICE, TRENCHLESS, COPPER, 1 IN., LONG SIDE	2.00	EA	\$6,000.00	\$12,000.00	\$13,500.00	\$27,000.00	\$11,250.00	\$22,500.00
26	VALVE, GATE, 12 IN.	6.00	EA	\$8,500.00	\$51,000.00	\$6,500.00	\$39,000.00	\$6,250.00	\$37,500.00
27	VALVE, GATE, 16 IN.	2.00	EA	\$12,500.00	\$25,000.00	\$14,600.00	\$29,200.00	\$14,000.00	\$28,000.00
28	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE, STA. 100+00	1.00	EA	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$12,500.00	\$12,500.00
29	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE, STA. 300+00	1.00	EA	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$12,500.00	\$12,500.00
30	TAPPING FEE, 12 IN. X 12 IN.	2.00	EA	\$10,000.00	\$20,000.00	\$7,500.00	\$15,000.00	\$10,000.00	\$20,000.00
31	FIRE HYDRANT ASSEMBLY	20.00	EA	\$7,500.00	\$150,000.00	\$11,500.00	\$230,000.00	\$10,000.00	\$200,000.00
32	REMOVAL OF DRIVEWAY	143.00	SY	\$15.00	\$2,145.00	\$15.00	\$2,145.00	\$35.00	\$5,005.00
33	DRIVEWAY, PAVED, PCC, 7 IN.	74.00	SY	\$65.00	\$4,810.00	\$85.00	\$6,290.00	\$130.00	\$9,620.00
34	DRIVEWAY, PAVED, HMA, 6 IN.	69.00	SY	\$60.00	\$4,140.00	\$90.00	\$6,210.00	\$160.00	\$11,040.00
35	DRIVEWAY, GRANULAR, 6 IN.	183.00	TON	\$45.00	\$8,235.00	\$45.00	\$8,235.00	\$75.00	\$13,725.00
36	DRIVEWAY, TEMPORARY, GRANULAR, 6 IN.	150.00	TON	\$40.00	\$6,000.00	\$45.00	\$6,750.00	\$75.00	\$11,250.00
37	FULL DEPTH PATCHES, COMPOSITE, 9 IN.	746.00	SY	\$200.00	\$149,200.00	\$135.00	\$100,710.00	\$225.00	\$167,850.00
38	GRANULAR SHOULDERS, TYPE B	280.00	TON	\$50.00	\$14,000.00	\$50.00	\$14,000.00	\$72.50	\$20,300.00
39	PAINTED PAVEMENT MARKINGS, EPOXY	3.00	STA	\$250.00	\$750.00	\$2,200.00	\$6,600.00	\$1,500.00	\$4,500.00
40	PAINTED SYMBOLS AND LEGENDS, EPOXY	1.00	EA	\$500.00	\$500.00	\$500.00	\$500.00	\$475.00	\$475.00
41	TEMPORARY TRAFFIC CONTROL	1.00	LS	\$50,000.00	\$50,000.00	\$15,000.00	\$15,000.00	\$9,000.00	\$9,000.00
42	REMOVE AND REINSTALL SIGN	19.00	EA	\$500.00	\$9,500.00	\$275.00	\$5,225.00	\$450.00	\$8,550.00
43	REMOVAL OF STEEL BEAM GUARDRAIL	202.50	LF	\$15.00	\$3,037.50	\$100.00	\$20,250.00	\$30.00	\$6,075.00
44	STEEL BEAM GUARDRAIL	150.00	LF	\$40.00	\$6,000.00	\$100.00	\$15,000.00	\$55.00	\$8,250.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
47	STEEL BEAM GUARDRAIL FLARED END TERMINAL, BA-206	2.00 EA	\$4,000.00	\$8,000.00	\$5,000.00	\$10,000.00	\$5,000.00	\$10,000.00
48	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 1	2.20 AC	\$5,000.00	\$11,000.00	\$5,500.00	\$12,100.00	\$3,000.00	\$6,600.00
49	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 2	7.00 AC	\$5,000.00	\$35,000.00	\$5,250.00	\$36,750.00	\$2,500.00	\$17,500.00
50	HYDRAULIC SEEDING, FERTILIZING, AND MULCHING, TYPE 5	9.20 AC	\$4,000.00	\$36,800.00	\$2,400.00	\$22,080.00	\$2,000.00	\$18,400.00
51	SWPPP PREPARATION AND MAINTENANCE	1.00 LS	\$25,000.00	\$25,000.00	\$7,500.00	\$7,500.00	\$15,000.00	\$15,000.00
52	FILTER SOCK, 9 IN.	7,500.00 LF	\$4.00	\$30,000.00	\$1.75	\$13,125.00	\$2.00	\$15,000.00
53	FILTER SOCK REMOVAL	7,500.00 LF	\$1.00	\$7,500.00	\$0.25	\$1,875.00	\$0.10	\$750.00
54	RIP RAP, CLASS E	250.00 TON	\$75.00	\$18,750.00	\$80.00	\$20,000.00	\$100.00	\$25,000.00
55	SILT FENCE	1,500.00 LF	\$5.00	\$7,500.00	\$2.10	\$3,150.00	\$2.00	\$3,000.00
56	SILT FENCE, REMOVAL OF SEDIMENT	2.00 EA	\$5,000.00	\$10,000.00	\$1,500.00	\$3,000.00	\$750.00	\$1,500.00
57	SILT FENCE, REMOVAL	1,500.00 LF	\$1.00	\$1,500.00	\$1.00	\$1,500.00	\$0.10	\$150.00
58	TREE PROTECTION FENCE	500.00 LF	\$10.00	\$5,000.00	\$5.50	\$2,750.00	\$10.00	\$5,000.00
59	TREE TRUNK PROTECTION	10.00 EA	\$250.00	\$2,500.00	\$275.00	\$2,750.00	\$600.00	\$6,000.00
60	MOBILIZATION	1.00 LS	\$116,548.50	\$116,548.50	\$500,000.00	\$500,000.00	\$195,000.00	\$195,000.00
61	MAINTENANCE OF POSTAL SERVICE	1.00 LS	\$10,000.00	\$10,000.00	\$2,500.00	\$2,500.00	\$7,500.00	\$7,500.00
62	MAINTENANCE OF SOLID WASTE COLLECTION	1.00 LS	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00	\$12,000.00	\$12,000.00
63	CONCRETE WASHOUT	1 LS	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00
TOTAL CONSTRUCTION COST				\$3,150,000.00		\$3,589,723.00		\$3,854,714.00
PERCENT OF ENGINEER'S ESTIMATE						+13.96%		+22.37%