



Roll Call Number

Agenda Item Number

55

DATE October 18, 2021

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON HAMILTON DRAIN STORM WATER IMPROVEMENTS PHASE 2; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS RW EXCAVATING SOLUTIONS, LC, DAN E. WILSON, MANAGING MEMBER, \$6,196,268.70

WHEREAS, on September 13, 2021, under Roll Call No. 21-1389, 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 improvement:

Hamilton Drain Storm Water Improvements Phase 2, 082021002

The improvement includes the construction of 15-inch to 84-inch storm sewer, manholes, intakes, subdrain, sanitary sewer, Portland Cement Concrete (PCC) pavement, Hot Mix Asphalt (HMA) paving, removals, earthwork, water main adjustments, traffic control, fencing, site furnishings, erosion control, and surface restoration; all in accordance with the contract documents, including Plan File No. 631-001/218, for the construction of storm water detention basins located at 121 NE 43rd Avenue, 3940 Amherst Street, and 4028 E 14th Street. The project also includes construction of trunk storm sewer from the intersection of E Aurora Avenue and Cornell Street to the cul-de-sac in the 3900 block of Amherst Street, Des Moines, Iowa

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.

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 the 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 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 here by approved.

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

- RW Excavating Solutions, LC, Prairie City, IA Low Bid
- Reilly Construction Co., Inc. , Ossian, IA
- Rognes Corp. , Ankeny, IA
- On Track Construction, LLC, Nevada, IA
- Synergy Contracting, LLC, Altoona, IA
- Raccoon Valley Contractors, LLC., Waukee, IA
- S. M. Hentges & Sons Inc., Jordan, MN
- Progressive Structures, LLC, Elkader, IA

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 October 5, 2021. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.



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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 improvement was submitted by RW Excavating Solutions, LC, Dan E. Wilson, Managing Member, 13293 S. 88th Avenue W, Prairie City, IA, 50228 in the amount of \$6,196,268.70, 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 road closures for the Project. **(Council Communication No. 21-452)**

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE

s/Kathleen Vanderpool

s/Nickolas J. Schaul

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

Funding Source: 2021-2022 CIP, Page 102, Hamilton Drainage Area Improvements, SM133, Being: \$5,850,234 in Storm Water Utility funds, and the remaining \$346,034.70 from Des Moines Water Works

SLN pw

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
WESTERGAARD				
GRAY				
BOESEN				
VOSS				
MANDELBAUM				
GATTO				
TOTAL				
MOTION CARRIED				APPROVED

I, P. Kay Cmelik, City Clerk of said City Council, hereby certify that at a meeting of the City Council, 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.

Mayor

City Clerk

TABULATED BY: L.A. Vaughan

APPROVED BY: *P. Wagon*

CHECKED BY: _____

CONTRACTOR'S BID TABULATION
PROJECT: HAMILTON DRAIN STORM WATER IMPROVEMENTS PHASE 2

ESTIMATE

				RW Excavating Solutions, LC Prairie City, IA		Reilly Construction Co., Inc. Ossian, IA		Rognes Corporation Ankeny, IA		On Track Construction, LLC Nevada, 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	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT		
0001	CLEARING AND GRUBBING	3070 UNITS		\$40.00	\$122,800.00	\$28.00	\$85,960.00	\$30.00	\$92,100.00	\$78.00	\$239,460.00	\$30.00	\$92,100.00
0002	CLEARING AND GRUBBING	0.17 AC		\$20,000.00	\$3,400.00	\$12,000.00	\$2,040.00	\$125,000.00	\$21,250.00	\$118,000.00	\$20,060.00	\$125,000.00	\$21,250.00
0003	TOPSOIL, ON-SITE	6223 CY		\$12.00	\$74,676.00	\$10.00	\$62,230.00	\$15.00	\$93,345.00	\$7.00	\$43,561.00	\$7.00	\$43,561.00
0004	TOPSOIL, OFF-SITE	898 CY		\$13.00	\$11,674.00	\$12.00	\$10,776.00	\$25.00	\$22,460.00	\$45.00	\$40,410.00	\$46.00	\$41,308.00
0005	CLASS 10 EXCAVATION, WASTE	51500 CY		\$12.00	\$618,000.00	\$10.50	\$540,750.00	\$15.00	\$772,500.00	\$9.50	\$489,250.00	\$9.60	\$494,400.00
0006	CLASS 10 EXCAVATION, IMPORT	5000 CY		\$18.00	\$90,000.00	\$12.00	\$60,000.00	\$15.00	\$75,000.00	\$20.00	\$100,000.00	\$20.20	\$101,000.00
0007	SUBGRADE TREATMENT, GEOGRID, TYPE 2	5111 SY		\$4.00	\$20,444.00	\$3.50	\$17,888.50	\$10.00	\$51,110.00	\$5.00	\$25,555.00	\$5.00	\$25,555.00
0008	SUBBASE, MODIFIED SUBBASE, 6"	5111 SY		\$18.00	\$91,998.00	\$8.40	\$42,932.40	\$11.00	\$56,221.00	\$11.50	\$58,776.50	\$12.00	\$61,332.00
0009	SUBBASE, MODIFIED SUBBASE, 8"	1440 SY		\$20.00	\$28,800.00	\$11.20	\$16,128.00	\$15.00	\$21,600.00	\$15.25	\$21,960.00	\$15.00	\$21,600.00
0010	SUBBASE, MACADAM STONE, 12"	5111 SY		\$22.00	\$112,442.00	\$19.20	\$98,131.20	\$24.50	\$125,219.50	\$22.00	\$112,442.00	\$22.00	\$112,442.00
0011	CLASS A ROADSTONE, INSTALL & REMOVE	500 TON		\$50.00	\$25,000.00	\$42.00	\$21,000.00	\$50.00	\$25,000.00	\$42.00	\$21,000.00	\$50.00	\$25,000.00
0012	REMOVAL OF KNOWN BOX CULVERT, WOOD	1098 LF		\$35.00	\$38,430.00	\$25.00	\$27,450.00	\$35.00	\$38,430.00	\$50.00	\$54,900.00	\$45.00	\$49,410.00
0013	REMOVAL OF KNOWN BOX CULVERT, WOOD, ROOF ONLY	226 LF		\$25.00	\$5,650.00	\$20.00	\$4,520.00	\$20.00	\$4,520.00	\$45.00	\$10,170.00	\$40.00	\$9,040.00
0014	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	4576 CY		\$25.00	\$114,400.00	\$21.00	\$96,096.00	\$50.00	\$228,800.00	\$50.00	\$228,800.00	\$70.00	\$320,320.00
0015	SANITARY SEWER GRAVITY MAIN, TRENCHED, DIP, 10"	61 LF		\$150.00	\$9,150.00	\$130.00	\$7,930.00	\$240.00	\$14,640.00	\$195.00	\$11,895.00	\$385.00	\$23,485.00
0016	SANITARY SEWER GRAVITY MAIN, TRENCHED, DIP, 30"	109 LF		\$250.00	\$27,250.00	\$200.00	\$21,800.00	\$475.00	\$51,775.00	\$375.00	\$40,875.00	\$575.00	\$62,555.00
0017	SANITARY SEWER SERVICE STUB	200 LF		\$75.00	\$15,000.00	\$60.00	\$12,000.00	\$75.00	\$15,000.00	\$100.00	\$20,000.00	\$130.00	\$26,000.00
0018	SANITARY SEWER SERVICE RELOCATION	5 EA		\$2,500.00	\$12,500.00	\$2,500.00	\$12,500.00	\$2,000.00	\$10,000.00	\$3,650.00	\$18,250.00	\$6,200.00	\$31,000.00
0019	REMOVAL OF SANITARY SEWER, 10" VCP	61 LF		\$25.00	\$1,525.00	\$20.00	\$1,220.00	\$35.00	\$2,135.00	\$45.00	\$2,745.00	\$40.00	\$2,440.00
0020	REMOVAL OF SANITARY SEWER, 30". BRICK	109 LF		\$25.00	\$2,725.00	\$20.00	\$2,180.00	\$35.00	\$3,815.00	\$50.00	\$5,450.00	\$85.00	\$9,265.00
0021	STORM SEWER, TRENCHED, 16"	70 LF		\$80.00	\$5,600.00	\$55.64	\$3,894.80	\$95.00	\$6,650.00	\$140.00	\$9,800.00	\$109.00	\$7,630.00
0022	STORM SEWER, TRENCHED, 18"	572 LF		\$90.00	\$51,480.00	\$52.20	\$29,858.40	\$95.00	\$54,340.00	\$145.00	\$82,940.00	\$75.00	\$42,900.00
0023	STORM SEWER, TRENCHED, 24"	292 LF		\$110.00	\$32,120.00	\$102.60	\$29,959.20	\$115.00	\$33,580.00	\$160.00	\$46,720.00	\$95.00	\$27,740.00
0024	STORM SEWER, TRENCHED, 30"	20 LF		\$125.00	\$2,500.00	\$102.30	\$2,046.00	\$180.00	\$3,600.00	\$188.00	\$3,760.00	\$165.00	\$3,300.00
0025	STORM SEWER, TRENCHED, 48"	78 LF		\$250.00	\$19,500.00	\$246.50	\$19,227.00	\$280.00	\$21,840.00	\$280.00	\$21,840.00	\$275.00	\$21,450.00
0026	STORM SEWER, TRENCHED, 60"	17 LF		\$350.00	\$5,950.00	\$294.40	\$5,004.80	\$325.00	\$5,525.00	\$415.00	\$7,055.00	\$640.00	\$10,880.00
0027	STORM SEWER, TRENCHED, 84"	2644 LF		\$700.00	\$1,850,800.00	\$608.20	\$1,608,080.80	\$725.00	\$1,916,900.00	\$710.00	\$1,877,240.00	\$730.00	\$1,930,120.00
0028	STORM SEWER, TRENCHED, 18" DIP	165 LF		\$200.00	\$33,000.00	\$160.80	\$26,924.00	\$175.00	\$28,125.00	\$205.00	\$33,775.00	\$155.00	\$24,025.00
0029	STORM SEWER, PREMANUFACTURED BEND, 60"	4 EA		\$6,500.00	\$26,000.00	\$5,370.00	\$21,480.00	\$4,500.00	\$18,000.00	\$6,000.00	\$24,000.00	\$7,700.00	\$30,800.00
0030	STORM SEWER, PREMANUFACTURED BEND, 84"	27 EA		\$7,500.00	\$202,500.00	\$4,245.00	\$114,615.00	\$10,000.00	\$270,000.00	\$7,800.00	\$205,200.00	\$9,950.00	\$241,650.00
0031	STORM SEWER, TRENCHLESS, 48"	147 LF		\$600.00	\$88,200.00	\$1,347.50	\$198,082.50	\$1,350.00	\$198,450.00	\$1,350.00	\$198,450.00	\$1,405.00	\$206,535.00
0032	STORM SEWER COLLAR	3 EA		\$4,500.00	\$13,500.00	\$3,500.00	\$10,500.00	\$2,000.00	\$6,000.00	\$5,000.00	\$15,000.00	\$2,585.00	\$7,755.00
0033	REMOVAL OF STORM SEWER < 30" DIA	429 LF		\$25.00	\$10,725.00	\$20.00	\$8,580.00	\$35.00	\$15,015.00	\$38.00	\$16,302.00	\$30.00	\$12,870.00
0034	REMOVAL OF STORM SEWER > 30" DIA	281 LF		\$26.00	\$7,306.00	\$25.00	\$7,025.00	\$40.00	\$11,240.00	\$42.00	\$11,802.00	\$40.00	\$11,240.00
0035	STORM SEWER ABANDONMENT, FILL AND PLUG	977 CY		\$200.00	\$195,400.00	\$160.00	\$156,320.00	\$150.00	\$146,550.00	\$158.00	\$154,366.00	\$145.00	\$141,665.00
0036	PIPE APRON, PCC, 18"	1 EA		\$1,500.00	\$1,500.00	\$1,254.40	\$1,254.40	\$2,200.00	\$2,200.00	\$2,850.00	\$2,850.00	\$2,435.00	\$2,435.00
0037	PIPE APRON, PCC, 48"	2 EA		\$5,000.00	\$5,000.00	\$2,885.40	\$5,770.80	\$5,500.00	\$11,000.00	\$5,300.00	\$10,600.00	\$4,305.00	\$8,610.00
0038	PIPE APRON, PCC, 84"	2 EA		\$7,500.00	\$15,000.00	\$7,490.00	\$14,980.00	\$10,000.00	\$20,000.00	\$16,500.00	\$33,000.00	\$11,250.00	\$22,500.00
0039	FOOTING FOR CONCRETE PIPE APRON, 18"	1 EA		\$1,500.00	\$1,500.00	\$660.00	\$660.00	\$1,000.00	\$1,000.00	\$650.00	\$650.00	\$500.00	\$500.00
0040	FOOTING FOR CONCRETE PIPE APRON, 48"	2 EA		\$3,500.00	\$7,000.00	\$1,550.00	\$3,100.00	\$2,200.00	\$4,400.00	\$1,100.00	\$2,200.00	\$1,685.00	\$3,370.00
0041	FOOTING FOR CONCRETE PIPE APRON, 84"	2 EA		\$6,500.00	\$13,000.00	\$2,330.00	\$4,660.00	\$3,000.00	\$6,000.00	\$4,000.00	\$8,000.00	\$3,800.00	\$7,600.00
0042	REMOVAL OF PIPE APRON	1 EA		\$750.00	\$750.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00
0043	SUBDRAIN, 8"	126 LF		\$20.00	\$2,520.00	\$20.00	\$2,520.00	\$30.00	\$3,780.00	\$30.00	\$3,780.00	\$45.00	\$5,670.00
0044	SUBDRAIN OUTLETS AND CONNECTIONS, CMP, 8"	12 EA		\$500.00	\$6,000.00	\$400.00	\$4,800.00	\$350.00	\$4,200.00	\$600.00	\$7,200.00	\$450.00	\$5,400.00
0045	NEW WATER SERVICE	10 EA		\$2,500.00	\$25,000.00	\$2,250.00	\$22,500.00	\$3,500.00	\$35,000.00	\$3,500.00	\$35,000.00	\$3,250.00	\$32,500.00
0046	ADJUST STOP BOX TO NEW GRADE	8 EA		\$250.00	\$2,000.00	\$250.00	\$2,000.00	\$300.00	\$2,400.00	\$600.00	\$4,800.00	\$775.00	\$6,200.00
0047	MANHOLE, SW-301M 48"	1 EA		\$7,500.00	\$7,500.00	\$5,880.00	\$5,880.00	\$6,500.00	\$6,500.00	\$9,100.00	\$9,100.00	\$15,000.00	\$15,000.00
0048	MANHOLE, SW-301M 60"	3 EA		\$8,500.00	\$25,500.00	\$7,680.00	\$23,040.00	\$9,500.00	\$28,500.00	\$12,500.00	\$37,500.00	\$21,500.00	\$64,500.00
0049	MANHOLE, SW-301M 72"	2 EA		\$9,500.00	\$19,000.00	\$9,780.00	\$19,520.00	\$11,000.00	\$22,000.00	\$15,500.00	\$31,000.00	\$25,500.00	\$51,000.00
0050	MANHOLE, SW-303	1 EA		\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$6,500.00	\$6,500.00	\$12,500.00	\$12,500.00	\$13,000.00	\$13,000.00
0051	MANHOLE, SW-401, 84"	1 EA		\$15,000.00	\$15,000.00	\$6,747.20	\$6,747.20	\$13,500.00	\$13,500.00	\$23,000.00	\$23,000.00	\$22,000.00	\$22,000.00
0052	MANHOLE, SW-402, 4X4'	3 EA		\$8,000.00	\$24,000.00	\$7,535.00	\$22,605.00	\$9,000.00	\$27,000.00	\$9,800.00	\$29,400.00	\$10,000.00	\$30,000.00

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ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0053	MANHOLE, SW-403M, 8'X10.5"	3 EA	\$15,000.00	\$45,000.00	\$20,350.00	\$61,050.00	\$23,000.00	\$69,000.00	\$18,000.00	\$54,000.00	\$22,850.00	\$68,650.00
0054	MANHOLE, SW-403M, 9'X10.5"	1 EA	\$16,000.00	\$16,000.00	\$22,550.00	\$22,550.00	\$25,000.00	\$25,000.00	\$20,000.00	\$20,000.00	\$26,500.00	\$26,500.00
0055	MANHOLE, SW-405, 48" ON 84"	5 EA	\$7,500.00	\$37,500.00	\$7,000.00	\$35,000.00	\$9,500.00	\$47,500.00	\$8,500.00	\$42,500.00	\$15,500.00	\$77,500.00
0056	MANHOLE, SW-406, (5'X6')	2 EA	\$11,500.00	\$23,000.00	\$10,000.00	\$20,000.00	\$13,500.00	\$27,000.00	\$12,200.00	\$24,400.00	\$14,000.00	\$28,000.00
0057	INTAKE, SW-505	10 EA	\$9,000.00	\$90,000.00	\$7,000.00	\$70,000.00	\$11,000.00	\$110,000.00	\$11,500.00	\$115,000.00	\$10,500.00	\$105,000.00
0058	INTAKE, SW-506 MODIFIED	2 EA	\$11,000.00	\$22,000.00	\$9,250.00	\$18,500.00	\$15,000.00	\$30,000.00	\$15,000.00	\$30,000.00	\$14,250.00	\$28,500.00
0059	INTAKE, SW-511	1 EA	\$5,500.00	\$5,500.00	\$4,250.00	\$4,250.00	\$7,000.00	\$7,000.00	\$6,200.00	\$6,200.00	\$6,300.00	\$6,300.00
0060	INTAKE, SW-512, 24"	4 EA	\$2,000.00	\$8,000.00	\$1,305.60	\$5,222.40	\$2,500.00	\$10,000.00	\$2,800.00	\$11,200.00	\$3,250.00	\$13,000.00
0061	DETENTION BASIN OUTLET STRUCTURE NO.1	1 EA	\$45,000.00	\$45,000.00	\$67,500.00	\$67,500.00	\$80,000.00	\$80,000.00	\$55,000.00	\$55,000.00	\$82,250.00	\$82,250.00
0062	DETENTION BASIN OUTLET STRUCTURE NO.2	1 EA	\$45,000.00	\$45,000.00	\$67,500.00	\$67,500.00	\$80,000.00	\$80,000.00	\$55,000.00	\$55,000.00	\$82,250.00	\$82,250.00
0063	MANHOLE ADJUSTMENT, MINOR	1 EA	\$750.00	\$750.00	\$1,200.00	\$1,200.00	\$2,000.00	\$2,000.00	\$1,750.00	\$1,750.00	\$1,350.00	\$1,350.00
0064	PCC BOXOUT	2 EA	\$1,500.00	\$3,000.00	\$1,300.00	\$2,600.00	\$1,500.00	\$3,000.00	\$2,000.00	\$4,000.00	\$1,750.00	\$3,500.00
0065	REMOVE MANHOLE	10 EA	\$1,500.00	\$15,000.00	\$1,200.00	\$12,000.00	\$1,200.00	\$12,000.00	\$1,800.00	\$18,000.00	\$600.00	\$6,000.00
0066	REMOVE INTAKE	20 EA	\$1,500.00	\$30,000.00	\$1,200.00	\$24,000.00	\$1,200.00	\$24,000.00	\$1,800.00	\$36,000.00	\$600.00	\$12,000.00
0067	PAVEMENT, PCC, 6"	2863 SY	\$65.00	\$186,095.00	\$55.00	\$157,465.00	\$52.00	\$148,876.00	\$65.00	\$186,095.00	\$72.00	\$206,136.00
0068	PAVEMENT, PCC, 6", REINFORCED	625 SY	\$68.00	\$42,500.00	\$60.00	\$37,500.00	\$60.50	\$37,812.50	\$68.00	\$42,500.00	\$103.00	\$64,375.00
0069	PAVEMENT, PCC, 7"	1323 SY	\$68.00	\$89,964.00	\$63.00	\$83,349.00	\$58.50	\$77,395.50	\$68.00	\$89,964.00	\$76.00	\$100,548.00
0070	PAVEMENT, PCC, 7", REINFORCED	116 SY	\$70.00	\$8,120.00	\$68.00	\$7,888.00	\$68.00	\$8,120.00	\$70.00	\$8,120.00	\$109.00	\$12,644.00
0071	CURB AND GUTTER, 2.5 FT, 6"	785 LF	\$55.00	\$43,175.00	\$47.00	\$36,895.00	\$32.00	\$25,120.00	\$32.00	\$25,120.00	\$36.00	\$28,260.00
0072	MOW STRIP	32 LF	\$50.00	\$1,600.00	\$44.00	\$1,408.00	\$40.00	\$1,280.00	\$40.00	\$1,280.00	\$108.00	\$3,456.00
0073	PAVEMENT, HMA, 6"	1158 SY	\$65.00	\$75,270.00	\$54.00	\$62,532.00	\$36.00	\$41,688.00	\$34.00	\$39,372.00	\$36.50	\$42,267.00
0074	REMOVAL OF SIDEWALK	641 SY	\$15.00	\$9,615.00	\$15.00	\$9,615.00	\$15.00	\$9,615.00	\$10.00	\$6,410.00	\$13.00	\$8,333.00
0075	REMOVAL OF DRIVEWAY	645 SY	\$15.00	\$9,675.00	\$15.00	\$9,675.00	\$15.00	\$9,675.00	\$10.00	\$6,450.00	\$14.00	\$9,030.00
0076	SIDEWALK, PCC, 5"	560 SY	\$63.00	\$35,280.00	\$50.00	\$28,000.00	\$50.00	\$28,000.00	\$63.00	\$35,280.00	\$65.00	\$36,400.00
0077	SIDEWALK, PCC, 6"	157 SY	\$65.00	\$10,205.00	\$75.00	\$11,775.00	\$75.00	\$11,775.00	\$65.00	\$10,205.00	\$65.00	\$10,205.00
0078	DETECTABLE WARNINGS	200 SF	\$50.00	\$10,000.00	\$50.00	\$10,000.00	\$50.00	\$10,000.00	\$50.00	\$10,000.00	\$50.00	\$10,000.00
0079	DRIVEWAY, PAVED, PCC, 6"	826 SY	\$65.00	\$53,690.00	\$60.00	\$49,560.00	\$52.50	\$43,365.00	\$65.00	\$53,690.00	\$65.00	\$53,690.00
0080	DRIVEWAY, GRANULAR	100 TON	\$40.00	\$4,000.00	\$45.00	\$4,500.00	\$50.00	\$5,000.00	\$35.00	\$3,500.00	\$57.00	\$5,700.00
0081	PAVEMENT REMOVAL	6335 SY	\$15.00	\$95,025.00	\$15.00	\$95,025.00	\$15.00	\$95,025.00	\$15.00	\$95,025.00	\$11.00	\$69,685.00
0082	ENGINEERING FABRIC	520 SY	\$3.00	\$1,560.00	\$3.00	\$1,560.00	\$2.00	\$1,040.00	\$4.00	\$2,080.00	\$15.00	\$7,800.00
0083	PAINTED PAVEMENT MARKINGS, DURABLE	5 STA	\$250.00	\$1,250.00	\$250.00	\$1,250.00	\$750.00	\$3,750.00	\$750.00	\$3,750.00	\$910.00	\$4,550.00
0084	TEMPORARY TRAFFIC CONTROL	1 LS	\$25,000.00	\$25,000.00	\$43,260.00	\$43,260.00	\$25,000.00	\$25,000.00	\$20,000.00	\$20,000.00	\$21,850.00	\$21,850.00
0085	REPLACE STREET SIGNS	8 EA	\$250.00	\$2,000.00	\$200.00	\$1,600.00	\$200.00	\$1,600.00	\$200.00	\$1,600.00	\$505.00	\$4,040.00
0086	HYDRAULIC SEEDING, TYPE A (LAWN)	5 AC	\$5,000.00	\$25,000.00	\$5,000.00	\$25,000.00	\$2,500.00	\$12,500.00	\$2,250.00	\$11,250.00	\$2,525.00	\$12,625.00
0087	HYDRAULIC SEEDING, TYPE B (SLOPE SEED MIX)	3 AC	\$5,000.00	\$15,000.00	\$5,000.00	\$15,000.00	\$1,500.00	\$4,500.00	\$1,750.00	\$5,250.00	\$1,515.00	\$4,545.00
0088	HYDRAULIC SEEDING, TYPE C (SEMI WET BASIN MIX)	3 AC	\$5,000.00	\$15,000.00	\$5,000.00	\$15,000.00	\$2,500.00	\$7,500.00	\$2,250.00	\$6,750.00	\$2,525.00	\$7,575.00
0090	STORM WATER POLLUTION PREVENTION	1 LS	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$8,500.00	\$8,500.00
0091	PLANTS WITH WARRANTY	1 LS	\$20,000.00	\$20,000.00	\$18,950.00	\$18,950.00	\$19,750.00	\$19,750.00	\$18,950.00	\$18,950.00	\$20,000.00	\$20,000.00
0092	FILTER SOCK, 12"	3500 LF	\$3.00	\$10,500.00	\$3.00	\$10,500.00	\$2.25	\$7,875.00	\$2.50	\$8,750.00	\$2.50	\$8,750.00
0093	FILTER SOCK, REMOVAL	3500 LF	\$1.00	\$3,500.00	\$1.00	\$3,500.00	\$0.20	\$700.00	\$0.50	\$1,750.00	\$0.20	\$700.00
0094	TEMPORARY RECP, TYPE 1A	9782 SY	\$3.00	\$29,346.00	\$2.85	\$27,878.70	\$1.35	\$13,205.70	\$1.50	\$14,673.00	\$1.50	\$14,673.00
0095	TEMPORARY RECP, TYPE 2C	13000 SY	\$3.00	\$39,000.00	\$2.30	\$29,900.00	\$1.35	\$17,550.00	\$1.50	\$19,500.00	\$1.50	\$19,500.00
0096	RIP RAP, CLASS D	550 TON	\$80.00	\$44,000.00	\$60.00	\$33,000.00	\$55.00	\$30,250.00	\$62.00	\$34,100.00	\$85.00	\$46,750.00
0097	REMOVE GABION WALLS	1 LS	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00	\$6,000.00	\$6,000.00	\$20,000.00	\$20,000.00	\$15,150.00	\$15,150.00
0098	GROUT	115 CY	\$360.00	\$41,400.00	\$250.00	\$28,750.00	\$175.00	\$20,125.00	\$150.00	\$17,250.00	\$185.00	\$21,275.00
0099	FLEXAMAT	11204 SF	\$10.00	\$112,040.00	\$7.15	\$80,108.60	\$6.50	\$72,826.00	\$6.50	\$72,826.00	\$7.00	\$78,428.00
0100	SILT FENCE OR SILT FENCE DITCH CHECK	500 LF	\$2.50	\$1,250.00	\$3.00	\$1,500.00	\$1.50	\$750.00	\$3.00	\$1,500.00	\$1.50	\$750.00
0101	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	500 LF	\$0.50	\$250.00	\$1.00	\$500.00	\$0.05	\$25.00	\$1.00	\$500.00	\$0.10	\$50.00
0102	STABILIZED CONSTRUCTION ENTRANCE	300 TON	\$35.00	\$10,500.00	\$40.00	\$12,000.00	\$55.00	\$16,500.00	\$25.00	\$7,500.00	\$30.00	\$9,000.00
0103	EROSION CONTROL MULCHING, HYDROMULCHING	5 AC	\$3,000.00	\$15,000.00	\$2,500.00	\$12,500.00	\$2,000.00	\$10,000.00	\$2,250.00	\$11,250.00	\$2,020.00	\$10,100.00
0104	INLET PROTECTION DEVICE	34 EA	\$250.00	\$8,500.00	\$145.00	\$4,930.00	\$150.00	\$5,100.00	\$145.00	\$4,930.00	\$155.00	\$5,270.00
0105	INLET PROTECTION DEVICE MAINTENANCE	34 EA	\$10.00	\$340.00	\$25.00	\$850.00	\$20.00	\$680.00	\$25.00	\$650.00	\$25.00	\$650.00
0106	CHAIN LINK FENCE, 48", BLACK VINYL COATED	30 LF	\$22.00	\$660.00	\$26.40	\$792.00	\$24.00	\$720.00	\$40.00	\$1,200.00	\$50.50	\$1,515.00
0107	CHAIN LINK FENCE, 48"	2553 LF	\$20.00	\$51,060.00	\$23.10	\$58,974.30	\$21.00	\$53,613.00	\$21.00	\$53,613.00	\$24.00	\$61,272.00
0108	CHAIN LINK FENCE, 72"	1046 LF	\$30.00	\$31,380.00	\$27.50	\$28,765.00	\$25.00	\$26,150.00	\$25.00	\$26,150.00	\$33.00	\$34,518.00
0109	WOOD FENCE, 48"	80 LF	\$20.00	\$1,600.00	\$27.50	\$2,200.00	\$25.00	\$2,000.00	\$25.00	\$2,000.00	\$39.00	\$3,120.00
0110	WOOD FENCE, 72"	794 LF	\$30.00	\$23,820.00	\$30.80	\$24,455.20	\$28.00	\$22,232.00	\$28.00	\$22,232.00	\$43.00	\$34,142.00
0111	GATES, CHAINLINK, 48"	2 EA	\$1,500.00	\$3,000.00	\$880.00	\$1,760.00	\$800.00	\$1,600.00	\$800.00	\$1,600.00	\$555.00	\$1,110.00
0112	GATES, CHAINLINK, 72"	2 EA	\$2,500.00	\$5,000.00	\$1,100.00	\$2,200.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$705.00	\$1,410.00
0113	REMOVAL OF FENCE	4225 LF	\$6.00	\$25,350.00	\$4.40	\$18,590.00	\$1.95	\$8,238.75	\$4.00	\$16,900.00	\$2.00	\$8,450.00
0114	TEMPORARY FENCE, CHAIN LINK SECURITY FENCE, 72"	3853 LF	\$16.00	\$61,648.00	\$13.20	\$50,859.60	\$12.00	\$46,236.00	\$12.00	\$46,236.00	\$15.00	\$57,795.00
0115	LANDSCAPE TIMBER RETAINING WALL	86 SF	\$50.00	\$4,300.00	\$60.50	\$5,203.00	\$50.00	\$4,300.00	\$55.00	\$4,730.00	\$50.50	\$4,343.00
0116	DEMOLITION WORK	1 LS	\$35,000.00	\$35,000.00	\$30,000.00	\$30,000.00	\$70,000.00	\$70,000.00	\$25,000.00	\$25,000.00	\$86,500.00	\$86,500.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0117	RUBBLE REMOVAL	50 CY	\$50.00	\$2,500.00	\$45.00	\$2,250.00	\$250.00	\$12,500.00	\$100.00	\$5,000.00	\$355.00	\$17,750.00
0118	SALVAGE AND REINSTALL SHEDS	6 EA	\$1,500.00	\$9,000.00	\$2,000.00	\$12,000.00	\$1,800.00	\$10,800.00	\$3,000.00	\$18,000.00	\$2,250.00	\$13,500.00
0119	MOBILIZATION	1 LS	\$550,792.00	\$550,792.00	\$650,000.00	\$650,000.00	\$114,500.00	\$114,500.00	\$225,000.00	\$225,000.00	\$368,725.00	\$368,725.00
0120	PRECONSTRUCTION CRACK AND DAMAGE SURVEY	1 LS	\$7,000.00	\$7,000.00	\$10,000.00	\$10,000.00	\$60,000.00	\$60,000.00	\$65,000.00	\$65,000.00	\$60,600.00	\$60,600.00
0121	RELOCATE AND REPLACE BACKYARD ITEMS	1 LS	\$2,500.00	\$2,500.00	\$4,500.00	\$4,500.00	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00	\$5,050.00	\$5,050.00
0122	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	42 DAY	\$175.00	\$7,350.00	\$138.60	\$5,821.20	\$125.00	\$5,250.00	\$125.00	\$5,250.00	\$101.00	\$4,242.00
0123	POTHOLING	2 EA	\$750.00	\$1,500.00	\$800.00	\$1,600.00	\$850.00	\$1,700.00	\$1,000.00	\$2,000.00	\$3,365.00	\$6,730.00
DIVISION 2: DES MOINES WATER WORKS												
0200	8" CL 52 DIP, RESTRAINED JOINT, OPEN CUT	100 LF	\$200.00	\$20,000.00	\$200.50	\$20,050.00	\$175.00	\$17,500.00	\$235.00	\$23,500.00	\$200.00	\$20,000.00
0201	8" C900 DR18 PVC, RESTRAINED JOINT, OPEN CUT	960 LF	\$200.00	\$192,000.00	\$119.70	\$114,912.00	\$95.00	\$91,200.00	\$200.00	\$192,000.00	\$150.00	\$144,000.00
0202	8" SOLID SLEEVES	19 EA	\$1,000.00	\$19,000.00	\$1,970.60	\$37,441.40	\$850.00	\$16,150.00	\$700.00	\$13,300.00	\$1,050.00	\$19,950.00
0203	8" BENDS	20 EA	\$1,600.00	\$32,000.00	\$1,811.80	\$36,236.00	\$900.00	\$18,000.00	\$900.00	\$18,000.00	\$1,150.00	\$23,000.00
0204	8X6 TEE	1 EA	\$1,600.00	\$1,600.00	\$3,671.80	\$3,671.80	\$1,300.00	\$1,300.00	\$1,000.00	\$1,000.00	\$1,285.00	\$1,285.00
0205	8X8 TEE	4 EA	\$1,600.00	\$6,400.00	\$2,915.20	\$11,660.80	\$1,400.00	\$5,600.00	\$1,000.00	\$4,000.00	\$1,350.00	\$5,400.00
0206	4X2 REDUCER	1 EA	\$1,200.00	\$1,200.00	\$1,164.80	\$1,164.80	\$500.00	\$500.00	\$900.00	\$900.00	\$865.00	\$865.00
0207	8X4 REDUCER	1 EA	\$1,200.00	\$1,200.00	\$1,351.20	\$1,351.20	\$550.00	\$550.00	\$900.00	\$900.00	\$950.00	\$950.00
0208	4" SPOOL	1 EA	\$850.00	\$850.00	\$686.80	\$686.80	\$650.00	\$650.00	\$750.00	\$750.00	\$900.00	\$900.00
0209	8" VALVE	14 EA	\$1,000.00	\$14,000.00	\$2,700.00	\$37,800.00	\$2,400.00	\$33,600.00	\$3,000.00	\$42,000.00	\$2,350.00	\$32,900.00
0210	8" CAP/PLUG	1 EA	\$750.00	\$750.00	\$941.70	\$941.70	\$450.00	\$450.00	\$1,000.00	\$1,000.00	\$1,045.00	\$1,045.00
0211	8" TEMPORARY CAP W/ MINIMUM 4" VALVED BLOWOFF	3 EA	\$1,600.00	\$4,800.00	\$7,599.20	\$22,797.60	\$6,500.00	\$19,500.00	\$2,300.00	\$6,900.00	\$1,650.00	\$4,950.00
0212	REMOVE EXISTING HYDRANT ASSEMBLY	4 EA	\$2,000.00	\$8,000.00	\$1,700.00	\$6,800.00	\$1,500.00	\$6,000.00	\$2,000.00	\$8,000.00	\$1,650.00	\$6,600.00
0213	NEW 6" HYDRANT ASSEMBLY	3 EA	\$10,000.00	\$30,000.00	\$9,000.00	\$27,000.00	\$9,000.00	\$27,000.00	\$9,200.00	\$27,600.00	\$5,950.00	\$17,850.00
0214	MAGNESIUM ANODE, 32-LB	2 EA	\$1,000.00	\$2,000.00	\$1,260.30	\$2,520.60	\$750.00	\$1,500.00	\$750.00	\$1,500.00	\$1,085.00	\$2,170.00
0215	REMOVAL OF EXISTING WATER MAIN	900 LF	\$20.00	\$18,000.00	\$20.00	\$18,000.00	\$35.00	\$31,500.00	\$15.00	\$13,500.00	\$21.00	\$18,900.00
0216	FOUNDATION ROCK	75 TON	\$35.00	\$2,625.00	\$40.00	\$3,000.00	\$50.00	\$3,750.00	\$40.00	\$3,000.00	\$57.00	\$4,275.00
TOTAL CONSTRUCTION COST				\$6,840,000.00		\$6,196,268.70		\$6,736,536.95		\$6,784,720.50		\$7,175,000.00
PERCENT OF ENGINEER'S ESTIMATE						-9.41%		-1.51%		-0.81%		+4.90%
						Low						

TABULATED BY: L.A. Vaughan

APPROVED BY: P. Wageman

BID DATE: 10/5/21

CHECKED BY: _____

CONTRACTOR'S BID TABULATION

PROJECT: HAMILTON DRAIN STORM WATER IMPROVEMENTS PHASE 2

ESTIMATE

		Synergy Contracting, LLC Altoona, IA		Raccoon Valley Contractors Waukee, IA		SM Henges & Sons Jordan, MN		Progressive Structures, LLC Elkader, 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		
0001	CLEARING AND GRUBBING	3070 UNITS	\$40.00	\$122,800.00	\$36.00	\$110,520.00	\$36.00	\$110,520.00	\$30.00	\$92,100.00	\$28.83	\$88,508.10
0002	CLEARING AND GRUBBING	0.17 AC	\$20,000.00	\$3,400.00	\$24,000.00	\$4,080.00	\$309,000.00	\$52,530.00	\$127,000.00	\$21,590.00	\$123,529.41	\$21,000.00
0003	TOPSOIL, ON-SITE	6223 CY	\$12.00	\$74,676.00	\$14.00	\$87,122.00	\$7.21	\$44,867.83	\$8.00	\$49,784.00	\$12.00	\$74,676.00
0004	TOPSOIL, OFF-SITE	898 CY	\$13.00	\$11,674.00	\$35.00	\$31,430.00	\$46.35	\$41,622.30	\$54.00	\$48,492.00	\$41.00	\$36,818.00
0005	CLASS 10 EXCAVATION, WASTE	51500 CY	\$12.00	\$618,000.00	\$14.00	\$721,000.00	\$9.78	\$503,670.00	\$15.00	\$772,500.00	\$16.30	\$839,450.00
0006	CLASS 10 EXCAVATION, IMPORT	5000 CY	\$18.00	\$90,000.00	\$14.00	\$70,000.00	\$20.60	\$103,000.00	\$14.00	\$70,000.00	\$22.50	\$112,500.00
0007	SUBGRADE TREATMENT, GEOGRID, TYPE 2	5111 SY	\$4.00	\$20,444.00	\$7.00	\$35,777.00	\$5.15	\$26,321.65	\$2.75	\$14,055.25	\$5.00	\$25,555.00
0008	SUBBASE, MODIFIED SUBBASE, 6"	5111 SY	\$18.00	\$91,998.00	\$17.50	\$89,442.50	\$11.69	\$59,747.59	\$10.50	\$53,665.50	\$13.00	\$66,443.00
0009	SUBBASE, MODIFIED SUBBASE, 8"	1440 SY	\$20.00	\$28,800.00	\$21.00	\$30,240.00	\$15.60	\$22,464.00	\$14.00	\$20,160.00	\$16.80	\$24,192.00
0010	SUBBASE, MACADAM STONE, 12"	5111 SY	\$22.00	\$112,442.00	\$21.00	\$107,331.00	\$22.50	\$114,997.50	\$26.00	\$132,886.00	\$22.00	\$112,442.00
0011	CLASS A ROADSTONE, INSTALL & REMOVE	500 TON	\$50.00	\$25,000.00	\$49.00	\$24,500.00	\$41.00	\$20,500.00	\$42.00	\$21,000.00	\$42.00	\$21,000.00
0012	REMOVAL OF KNOWN BOX CULVERT, WOOD	1098 LF	\$35.00	\$38,430.00	\$35.00	\$38,430.00	\$77.00	\$84,546.00	\$38.00	\$41,724.00	\$58.00	\$63,684.00
0013	REMOVAL OF KNOWN BOX CULVERT, WOOD, ROOF ONLY	226 LF	\$25.00	\$5,650.00	\$28.00	\$6,328.00	\$82.00	\$18,532.00	\$61.00	\$13,786.00	\$40.00	\$9,040.00
0014	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	4576 CY	\$25.00	\$114,400.00	\$49.00	\$224,224.00	\$49.00	\$224,224.00	\$48.00	\$219,648.00	\$36.00	\$164,736.00
0015	SANITARY SEWER GRAVITY MAIN, TRENCHED, DIP, 10"	61 LF	\$150.00	\$9,150.00	\$280.00	\$17,080.00	\$464.00	\$28,304.00	\$440.00	\$26,840.00	\$436.00	\$26,596.00
0016	SANITARY SEWER GRAVITY MAIN, TRENCHED, DIP, 30"	109 LF	\$250.00	\$27,250.00	\$644.00	\$70,196.00	\$844.00	\$91,996.00	\$822.00	\$89,598.00	\$1,055.00	\$114,995.00
0017	SANITARY SEWER SERVICE STUB	200 LF	\$75.00	\$15,000.00	\$154.00	\$30,800.00	\$75.00	\$15,000.00	\$80.00	\$16,000.00	\$95.00	\$19,000.00
0018	SANITARY SEWER SERVICE RELOCATION	5 EA	\$2,500.00	\$12,500.00	\$5,180.00	\$25,900.00	\$3,100.00	\$15,500.00	\$2,460.00	\$12,300.00	\$4,000.00	\$20,000.00
0019	REMOVAL OF SANITARY SEWER, 10" VCP	61 LF	\$25.00	\$1,525.00	\$28.00	\$1,708.00	\$10.00	\$610.00	\$65.00	\$3,965.00	\$11.00	\$671.00
0020	REMOVAL OF SANITARY SEWER, 30". BRICK	109 LF	\$25.00	\$2,725.00	\$35.00	\$3,815.00	\$30.00	\$3,270.00	\$65.00	\$7,085.00	\$11.00	\$1,199.00
0021	STORM SEWER, TRENCHED, 15"	70 LF	\$80.00	\$5,600.00	\$539.00	\$37,730.00	\$302.00	\$21,140.00	\$108.00	\$7,560.00	\$166.00	\$11,620.00
0022	STORM SEWER, TRENCHED, 18"	572 LF	\$90.00	\$51,480.00	\$154.00	\$88,088.00	\$210.00	\$120,120.00	\$95.00	\$54,340.00	\$170.00	\$97,240.00
0023	STORM SEWER, TRENCHED, 24"	292 LF	\$110.00	\$32,120.00	\$196.00	\$57,232.00	\$195.00	\$56,940.00	\$113.00	\$32,996.00	\$190.00	\$55,480.00
0024	STORM SEWER, TRENCHED, 30"	20 LF	\$125.00	\$2,500.00	\$609.00	\$12,180.00	\$498.00	\$9,960.00	\$152.00	\$3,040.00	\$225.00	\$4,500.00
0025	STORM SEWER, TRENCHED, 48"	78 LF	\$250.00	\$19,500.00	\$476.00	\$37,128.00	\$504.00	\$39,312.00	\$265.00	\$20,670.00	\$375.00	\$29,250.00
0026	STORM SEWER, TRENCHED, 60"	17 LF	\$350.00	\$5,950.00	\$994.00	\$16,898.00	\$1,000.00	\$17,000.00	\$340.00	\$5,780.00	\$430.00	\$7,310.00
0027	STORM SEWER, TRENCHED, 84"	2644 LF	\$700.00	\$1,850,800.00	\$714.00	\$1,887,816.00	\$890.00	\$2,353,160.00	\$878.00	\$2,321,432.00	\$775.00	\$2,049,100.00
0028	STORM SEWER, TRENCHED, 18" DIP	155 LF	\$200.00	\$31,000.00	\$287.00	\$44,485.00	\$366.00	\$56,730.00	\$176.00	\$27,280.00	\$225.00	\$34,875.00
0029	STORM SEWER, PREMANUFACTURED BEND, 60"	4 EA	\$6,500.00	\$26,000.00	\$5,600.00	\$22,400.00	\$1,600.00	\$6,400.00	\$4,680.00	\$18,720.00	\$5,500.00	\$22,000.00
0030	STORM SEWER, PREMANUFACTURED BEND, 84"	27 EA	\$7,500.00	\$202,500.00	\$7,350.00	\$198,450.00	\$5,000.00	\$135,000.00	\$7,680.00	\$207,360.00	\$9,200.00	\$248,400.00
0031	STORM SEWER, TRENCHLESS, 48"	147 LF	\$600.00	\$88,200.00	\$1,351.00	\$198,597.00	\$1,316.00	\$193,452.00	\$1,280.00	\$188,160.00	\$1,350.00	\$198,450.00
0032	STORM SEWER COLLAR	3 EA	\$4,500.00	\$13,500.00	\$2,450.00	\$7,350.00	\$3,000.00	\$9,000.00	\$2,800.00	\$8,400.00	\$8,000.00	\$24,000.00
0033	REMOVAL OF STORM SEWER < 30" DIA	429 LF	\$25.00	\$10,725.00	\$35.00	\$15,015.00	\$30.00	\$12,870.00	\$32.00	\$13,728.00	\$20.00	\$8,580.00
0034	REMOVAL OF STORM SEWER > 30" DIA	281 LF	\$26.00	\$7,306.00	\$42.00	\$11,802.00	\$30.00	\$8,430.00	\$68.00	\$19,108.00	\$30.00	\$8,430.00
0035	STORM SEWER ABANDONMENT, FILL AND PLUG	977 CY	\$200.00	\$195,400.00	\$196.00	\$191,492.00	\$233.78	\$228,403.06	\$275.00	\$268,675.00	\$200.00	\$195,400.00
0036	PIPE APRON, PCC, 18"	1 EA	\$1,500.00	\$1,500.00	\$2,800.00	\$2,800.00	\$1,590.00	\$1,590.00	\$2,140.00	\$2,140.00	\$2,450.00	\$2,450.00
0037	PIPE APRON, PCC, 48"	2 EA	\$2,500.00	\$5,000.00	\$5,040.00	\$10,080.00	\$4,500.00	\$9,000.00	\$5,290.00	\$10,580.00	\$6,500.00	\$13,000.00
0038	PIPE APRON, PCC, 84"	2 EA	\$7,500.00	\$15,000.00	\$10,290.00	\$20,580.00	\$10,027.00	\$20,054.00	\$11,000.00	\$22,000.00	\$15,500.00	\$31,000.00
0039	FOOTING FOR CONCRETE PIPE APRON, 18"	1 EA	\$1,500.00	\$1,500.00	\$1,190.00	\$1,190.00	\$1,500.00	\$1,500.00	\$3,800.00	\$3,800.00	\$1,200.00	\$1,200.00
0040	FOOTING FOR CONCRETE PIPE APRON, 48"	2 EA	\$3,500.00	\$7,000.00	\$3,185.00	\$6,370.00	\$3,000.00	\$6,000.00	\$4,500.00	\$9,000.00	\$2,000.00	\$4,000.00
0041	FOOTING FOR CONCRETE PIPE APRON, 84"	2 EA	\$6,500.00	\$13,000.00	\$4,410.00	\$8,820.00	\$4,000.00	\$8,000.00	\$4,900.00	\$9,800.00	\$4,000.00	\$8,000.00
0042	REMOVAL OF PIPE APRON	1 EA	\$750.00	\$750.00	\$700.00	\$700.00	\$1,000.00	\$1,000.00	\$270.00	\$270.00	\$750.00	\$750.00
0043	SUBDRAIN, 8"	126 LF	\$20.00	\$2,520.00	\$56.00	\$7,056.00	\$81.00	\$10,206.00	\$50.00	\$6,300.00	\$35.00	\$4,410.00
0044	SUBDRAIN OUTLETS AND CONNECTIONS, CMP, 8"	12 EA	\$500.00	\$6,000.00	\$525.00	\$6,300.00	\$1,030.00	\$12,360.00	\$280.00	\$3,360.00	\$312.00	\$3,744.00
0045	NEW WATER SERVICE	10 EA	\$2,500.00	\$25,000.00	\$5,670.00	\$56,700.00	\$4,223.00	\$42,230.00	\$4,320.00	\$43,200.00	\$3,800.00	\$38,000.00
0046	ADJUST STOP BOX TO NEW GRADE	8 EA	\$250.00	\$2,000.00	\$140.00	\$1,120.00	\$300.00	\$2,400.00	\$330.00	\$2,640.00	\$250.00	\$2,000.00
0047	MANHOLE, SW-301M 48"	1 EA	\$7,500.00	\$7,500.00	\$6,650.00	\$6,650.00	\$4,000.00	\$4,000.00	\$9,100.00	\$9,100.00	\$7,850.00	\$7,850.00
0048	MANHOLE, SW-301M 60"	3 EA	\$8,500.00	\$25,500.00	\$10,710.00	\$32,130.00	\$6,000.00	\$18,000.00	\$11,240.00	\$33,720.00	\$11,200.00	\$33,600.00
0049	MANHOLE, SW-301M 72"	2 EA	\$9,500.00	\$19,000.00	\$13,090.00	\$26,180.00	\$8,000.00	\$16,000.00	\$14,100.00	\$28,200.00	\$13,500.00	\$27,000.00
0050	MANHOLE, SW-303	1 EA	\$7,500.00	\$7,500.00	\$12,600.00	\$12,600.00	\$1,600.00	\$1,600.00	\$4,120.00	\$4,120.00	\$14,000.00	\$14,000.00
0051	MANHOLE, SW-401, 84"	1 EA	\$15,000.00	\$15,000.00	\$10,535.00	\$10,535.00	\$9,500.00	\$9,500.00	\$11,000.00	\$11,000.00	\$15,500.00	\$15,500.00
0052	MANHOLE, SW-402, 4'X4'	3 EA	\$8,000.00	\$24,000.00	\$9,275.00	\$27,825.00	\$8,500.00	\$25,500.00	\$11,000.00	\$33,000.00	\$10,500.00	\$31,500.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0053	MANHOLE, SW-403M, 8'X10.5'	3 EA	\$15,000.00	\$45,000.00	\$21,875.00	\$65,625.00	\$21,000.00	\$63,000.00	\$22,200.00	\$66,600.00	\$19,500.00	\$58,500.00
0054	MANHOLE, SW-403M, 9'X10.5'	1 EA	\$16,000.00	\$16,000.00	\$23,275.00	\$23,275.00	\$23,000.00	\$23,000.00	\$24,300.00	\$24,300.00	\$20,500.00	\$20,500.00
0055	MANHOLE, SW-405, 48" ON 84"	5 EA	\$7,500.00	\$37,500.00	\$15,980.00	\$79,800.00	\$8,200.00	\$41,000.00	\$9,000.00	\$45,000.00	\$12,500.00	\$62,500.00
0056	MANHOLE, SW-406, (5'X6")	2 EA	\$11,500.00	\$23,000.00	\$10,605.00	\$21,210.00	\$12,000.00	\$24,000.00	\$13,200.00	\$26,400.00	\$26,000.00	\$52,000.00
0057	INTAKE, SW-505	10 EA	\$9,000.00	\$90,000.00	\$8,680.00	\$86,800.00	\$9,000.00	\$90,000.00	\$8,600.00	\$86,000.00	\$14,500.00	\$145,000.00
0058	INTAKE, SW-506 MODIFIED	2 EA	\$11,000.00	\$22,000.00	\$9,590.00	\$19,180.00	\$12,000.00	\$24,000.00	\$17,250.00	\$34,500.00	\$18,000.00	\$36,000.00
0059	INTAKE, SW-511	1 EA	\$5,500.00	\$5,500.00	\$6,020.00	\$6,020.00	\$6,000.00	\$6,000.00	\$8,750.00	\$8,750.00	\$13,000.00	\$13,000.00
0060	INTAKE, SW-512, 24"	4 EA	\$2,000.00	\$8,000.00	\$1,610.00	\$6,440.00	\$2,100.00	\$8,400.00	\$3,600.00	\$14,400.00	\$3,500.00	\$14,000.00
0061	DETENTION BASIN OUTLET STRUCTURE NO.1	1 EA	\$45,000.00	\$45,000.00	\$45,360.00	\$45,360.00	\$67,000.00	\$67,000.00	\$82,000.00	\$82,000.00	\$78,000.00	\$78,000.00
0062	DETENTION BASIN OUTLET STRUCTURE NO.2	1 EA	\$45,000.00	\$45,000.00	\$39,200.00	\$39,200.00	\$67,000.00	\$67,000.00	\$82,000.00	\$82,000.00	\$78,000.00	\$78,000.00
0063	MANHOLE ADJUSTMENT, MINOR	1 EA	\$750.00	\$750.00	\$1,680.00	\$1,680.00	\$1,750.00	\$1,750.00	\$627.00	\$627.00	\$2,200.00	\$2,200.00
0064	PCC BOXOUT	2 EA	\$1,500.00	\$3,000.00	\$2,800.00	\$5,600.00	\$2,000.00	\$4,000.00	\$1,260.00	\$2,520.00	\$2,400.00	\$4,800.00
0065	REMOVE MANHOLE	10 EA	\$1,500.00	\$15,000.00	\$700.00	\$7,000.00	\$700.00	\$7,000.00	\$1,360.00	\$13,600.00	\$720.00	\$7,200.00
0066	REMOVE INTAKE	20 EA	\$1,500.00	\$30,000.00	\$700.00	\$14,000.00	\$600.00	\$12,000.00	\$1,360.00	\$27,200.00	\$720.00	\$14,400.00
0067	PAVEMENT, PCC, 6"	2863 SY	\$65.00	\$186,095.00	\$72.00	\$206,136.00	\$58.00	\$166,054.00	\$52.00	\$148,876.00	\$52.00	\$148,876.00
0068	PAVEMENT, PCC, 6", REINFORCED	625 SY	\$68.00	\$42,500.00	\$78.00	\$48,750.00	\$63.00	\$39,375.00	\$56.00	\$35,000.00	\$60.50	\$37,812.50
0069	PAVEMENT, PCC, 7"	1323 SY	\$68.00	\$89,964.00	\$84.00	\$111,132.00	\$63.00	\$83,349.00	\$56.00	\$74,088.00	\$58.50	\$77,395.50
0070	PAVEMENT, PCC, 7", REINFORCED	116 SY	\$70.00	\$8,120.00	\$96.00	\$11,136.00	\$69.00	\$8,004.00	\$61.00	\$7,076.00	\$68.00	\$7,888.00
0071	CURB AND GUTTER, 2.5 FT, 6"	785 LF	\$55.00	\$43,175.00	\$42.00	\$32,970.00	\$42.00	\$32,970.00	\$39.00	\$30,615.00	\$38.00	\$29,830.00
0072	MOW STRIP	32 LF	\$50.00	\$1,600.00	\$48.00	\$1,536.00	\$41.00	\$1,312.00	\$50.00	\$1,600.00	\$62.50	\$2,000.00
0073	PAVEMENT, HMA, 6"	1158 SY	\$65.00	\$75,270.00	\$42.00	\$48,636.00	\$40.00	\$46,320.00	\$37.00	\$42,846.00	\$36.00	\$41,688.00
0074	REMOVAL OF SIDEWALK	641 SY	\$15.00	\$9,615.00	\$18.00	\$11,538.00	\$12.00	\$7,692.00	\$6.00	\$3,846.00	\$14.00	\$8,974.00
0075	REMOVAL OF DRIVEWAY	645 SY	\$15.00	\$9,675.00	\$18.00	\$11,610.00	\$15.00	\$9,675.00	\$6.00	\$3,870.00	\$14.00	\$9,030.00
0076	SIDEWALK, PCC, 5"	560 SY	\$63.00	\$35,280.00	\$66.00	\$36,960.00	\$43.00	\$24,080.00	\$43.00	\$24,080.00	\$50.00	\$28,000.00
0077	SIDEWALK, PCC, 6"	157 SY	\$65.00	\$10,205.00	\$78.00	\$12,246.00	\$180.00	\$28,260.00	\$178.00	\$27,946.00	\$75.00	\$11,775.00
0078	DETECTABLE WARNINGS	200 SF	\$50.00	\$10,000.00	\$96.00	\$19,200.00	\$51.00	\$10,200.00	\$50.00	\$10,000.00	\$50.00	\$10,000.00
0079	DRIVEWAY, PAVED, PCC, 6"	826 SY	\$65.00	\$53,690.00	\$78.00	\$64,428.00	\$61.00	\$50,386.00	\$61.00	\$50,386.00	\$52.50	\$43,365.00
0080	DRIVEWAY, GRANULAR	100 TON	\$40.00	\$4,000.00	\$42.00	\$4,200.00	\$33.00	\$3,300.00	\$37.00	\$3,700.00	\$42.00	\$4,200.00
0081	PAVEMENT REMOVAL	6335 SY	\$15.00	\$95,025.00	\$14.00	\$88,690.00	\$15.00	\$95,025.00	\$7.00	\$44,345.00	\$16.00	\$101,360.00
0082	ENGINEERING FABRIC	520 SY	\$3.00	\$1,560.00	\$14.00	\$7,280.00	\$4.00	\$2,080.00	\$3.00	\$1,560.00	\$10.00	\$5,200.00
0083	PAINTED PAVEMENT MARKINGS, DURABLE	5 STA	\$250.00	\$1,250.00	\$1,260.00	\$6,300.00	\$772.00	\$3,860.00	\$900.00	\$4,500.00	\$750.00	\$3,750.00
0084	TEMPORARY TRAFFIC CONTROL	1 LS	\$25,000.00	\$25,000.00	\$30,240.00	\$30,240.00	\$20,200.00	\$20,200.00	\$22,000.00	\$22,000.00	\$20,000.00	\$20,000.00
0085	REPLACE STREET SIGNS	8 EA	\$250.00	\$2,000.00	\$700.00	\$5,600.00	\$206.00	\$1,648.00	\$500.00	\$4,000.00	\$200.00	\$1,600.00
0086	HYDRAULIC SEEDING, TYPE A (LAWN)	5 AC	\$5,000.00	\$25,000.00	\$3,150.00	\$15,750.00	\$2,575.00	\$12,875.00	\$2,540.00	\$12,700.00	\$2,500.00	\$12,500.00
0087	HYDRAULIC SEEDING, TYPE B (SLOPE SEED MIX)	3 AC	\$5,000.00	\$15,000.00	\$2,450.00	\$7,350.00	\$1,545.00	\$4,635.00	\$1,520.00	\$4,560.00	\$1,500.00	\$4,500.00
0088	HYDRAULIC SEEDING, TYPE C (SEMI WET BASIN MIX)	3 AC	\$5,000.00	\$15,000.00	\$3,150.00	\$9,450.00	\$2,575.00	\$7,725.00	\$2,540.00	\$7,620.00	\$2,500.00	\$7,500.00
0090	STORM WATER POLLUTION PREVENTION	1 LS	\$15,000.00	\$15,000.00	\$8,400.00	\$8,400.00	\$5,150.00	\$5,150.00	\$5,000.00	\$5,000.00	\$6,500.00	\$6,500.00
0091	PLANTS WITH WARRANTY	1 LS	\$20,000.00	\$20,000.00	\$26,600.00	\$26,600.00	\$20,342.00	\$20,342.00	\$19,750.00	\$19,750.00	\$19,750.00	\$19,750.00
0092	FILTER SOCK, 12"	3500 LF	\$3.00	\$10,500.00	\$3.00	\$10,500.00	\$2.30	\$8,050.00	\$2.20	\$7,700.00	\$2.25	\$7,875.00
0093	FILTER SOCK, REMOVAL	3500 LF	\$1.00	\$3,500.00	\$1.00	\$3,500.00	\$0.20	\$700.00	\$0.10	\$350.00	\$0.20	\$700.00
0094	TEMPORARY RECP, TYPE 1A	9782 SY	\$3.00	\$29,346.00	\$2.00	\$19,564.00	\$1.39	\$13,596.98	\$1.40	\$13,694.80	\$1.35	\$13,205.70
0095	TEMPORARY RECP, TYPE 2C	13000 SY	\$3.00	\$39,000.00	\$2.00	\$26,000.00	\$1.39	\$18,070.00	\$1.40	\$18,200.00	\$1.35	\$17,550.00
0096	RIP RAP, CLASS D	550 TON	\$80.00	\$44,000.00	\$84.00	\$46,200.00	\$63.86	\$35,123.00	\$62.00	\$34,100.00	\$58.00	\$31,900.00
0097	REMOVE GABION WALLS	1 LS	\$15,000.00	\$15,000.00	\$7,000.00	\$7,000.00	\$50,000.00	\$50,000.00	\$2,000.00	\$2,000.00	\$23,000.00	\$23,000.00
0098	GROUT	115 CY	\$360.00	\$41,400.00	\$154.00	\$17,710.00	\$154.00	\$17,710.00	\$146.00	\$16,790.00	\$160.00	\$18,400.00
0099	FLEXAMAT	11204 SF	\$10.00	\$112,040.00	\$10.50	\$117,642.00	\$6.69	\$74,954.76	\$6.60	\$73,946.40	\$6.25	\$70,025.00
0100	SILT FENCE OR SILT FENCE DITCH CHECK	500 LF	\$2.50	\$1,250.00	\$4.00	\$2,000.00	\$1.54	\$770.00	\$1.55	\$775.00	\$1.50	\$750.00
0101	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	500 LF	\$0.50	\$250.00	\$2.00	\$1,000.00	\$0.05	\$25.00	\$0.04	\$20.00	\$0.05	\$25.00
0102	STABILIZED CONSTRUCTION ENTRANCE	300 TON	\$35.00	\$10,500.00	\$56.00	\$16,800.00	\$50.00	\$15,000.00	\$34.00	\$10,200.00	\$42.00	\$12,600.00
0103	EROSION CONTROL MULCHING, HYDROMULCHING	5 AC	\$3,000.00	\$15,000.00	\$3,150.00	\$15,750.00	\$2,060.00	\$10,300.00	\$2,100.00	\$10,500.00	\$2,000.00	\$10,000.00
0104	INLET PROTECTION DEVICE	34 EA	\$250.00	\$8,500.00	\$210.00	\$7,140.00	\$154.50	\$5,253.00	\$150.00	\$5,100.00	\$150.00	\$5,100.00
0105	INLET PROTECTION DEVICE MAINTENANCE	34 EA	\$10.00	\$340.00	\$35.00	\$1,190.00	\$20.60	\$700.40	\$20.00	\$680.00	\$20.00	\$680.00
0106	CHAIN LINK FENCE, 48", BLACK VINYL COATED	30 LF	\$22.00	\$660.00	\$70.00	\$2,100.00	\$24.00	\$720.00	\$89.00	\$2,670.00	\$48.20	\$1,446.00
0107	CHAIN LINK FENCE, 48"	2553 LF	\$20.00	\$51,060.00	\$24.00	\$61,272.00	\$21.00	\$53,613.00	\$36.00	\$91,908.00	\$22.95	\$58,591.35
0108	CHAIN LINK FENCE, 72"	1046 LF	\$30.00	\$31,380.00	\$36.00	\$37,656.00	\$25.00	\$26,150.00	\$43.00	\$44,978.00	\$32.35	\$33,838.10
0109	WOOD FENCE, 48"	80 LF	\$20.00	\$1,600.00	\$49.00	\$3,920.00	\$25.00	\$2,000.00	\$49.50	\$3,960.00	\$38.35	\$3,068.00
0110	WOOD FENCE, 72"	794 LF	\$30.00	\$23,820.00	\$56.00	\$44,464.00	\$28.00	\$22,232.00	\$52.00	\$41,288.00	\$42.75	\$33,943.50
0111	GATES, CHAINLINK, 48"	2 EA	\$1,500.00	\$3,000.00	\$770.00	\$1,540.00	\$800.00	\$1,600.00	\$764.00	\$1,528.00	\$545.00	\$1,090.00
0112	GATES, CHAINLINK, 72"	2 EA	\$2,500.00	\$5,000.00	\$980.00	\$1,960.00	\$1,000.00	\$2,000.00	\$795.00	\$1,590.00	\$700.00	\$1,400.00
0113	REMOVAL OF FENCE	4225 LF	\$6.00	\$25,350.00	\$2.00	\$8,450.00	\$4.00	\$16,900.00	\$4.40	\$18,590.00	\$3.00	\$12,675.00
0114	TEMPORARY FENCE, CHAIN LINK SECURITY FENCE, 72"	3853 LF	\$16.00	\$61,648.00	\$14.00	\$53,942.00	\$12.00	\$46,236.00	\$7.00	\$26,971.00	\$14.25	\$54,905.25
0115	LANDSCAPE TIMBER RETAINING WALL	86 SF	\$50.00	\$4,300.00	\$77.00	\$6,622.00	\$51.00	\$4,386.00	\$32.00	\$2,752.00	\$50.00	\$4,300.00
0116	DEMOLITION WORK	1 LS	\$35,000.00	\$35,000.00	\$14,000.00	\$14,000.00	\$100,000.00	\$100,000.00	\$18,479.00	\$18,479.00	\$85,500.00	\$85,500.00

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ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0117	RUBBLE REMOVAL	50 CY	\$50.00	\$2,500.00	\$280.00	\$14,000.00	\$103.00	\$5,150.00	\$58.00	\$2,900.00	\$2,500.00	\$125,000.00
0118	SALVAGE AND REINSTALL SHEDS	6 EA	\$1,500.00	\$9,000.00	\$6,300.00	\$37,800.00	\$500.00	\$3,000.00	\$500.00	\$3,000.00	\$4,800.00	\$28,800.00
0119	MOBILIZATION	1 LS	\$550,792.00	\$550,792.00	\$204,000.00	\$204,000.00	\$319,235.00	\$319,235.00	\$400,000.00	\$400,000.00	\$800,000.00	\$800,000.00
0120	PRECONSTRUCTION CRACK AND DAMAGE SURVEY	1 LS	\$7,000.00	\$7,000.00	\$28,000.00	\$28,000.00	\$4,000.00	\$4,000.00	\$50,000.00	\$50,000.00	\$75,000.00	\$75,000.00
0121	RELOCATE AND REPLACE BACKYARD ITEMS	1 LS	\$2,500.00	\$2,500.00	\$4,200.00	\$4,200.00	\$2,000.00	\$2,000.00	\$1,300.00	\$1,300.00	\$7,200.00	\$7,200.00
0122	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	42 DAY	\$175.00	\$7,350.00	\$140.00	\$5,880.00	\$128.00	\$5,376.00	\$103.00	\$4,326.00	\$125.00	\$5,250.00
0123	POTHOLING	2 EA	\$750.00	\$1,500.00	\$2,100.00	\$4,200.00	\$700.00	\$1,400.00	\$2,160.00	\$4,320.00	\$1,000.00	\$2,000.00
DIVISION 2: DES MOINES WATER WORKS												
0200	8" CL 52 DIP, RESTRAINED JOINT, OPEN CUT	100 LF	\$200.00	\$20,000.00	\$266.00	\$26,600.00	\$310.00	\$31,000.00	\$175.00	\$17,500.00	\$175.00	\$17,500.00
0201	8" C900 DR18 PVC, RESTRAINED JOINT, OPEN CUT	960 LF	\$200.00	\$192,000.00	\$168.00	\$161,280.00	\$280.00	\$268,800.00	\$145.00	\$139,200.00	\$115.00	\$110,400.00
0202	8" SOLID SLEEVES	19 EA	\$1,000.00	\$19,000.00	\$1,120.00	\$21,280.00	\$600.00	\$11,400.00	\$1,400.00	\$26,600.00	\$2,100.00	\$39,900.00
0203	8" BENDS	20 EA	\$1,600.00	\$32,000.00	\$1,764.00	\$35,280.00	\$600.00	\$12,000.00	\$1,370.00	\$27,400.00	\$925.00	\$18,500.00
0204	8X6 TEE	1 EA	\$1,600.00	\$1,600.00	\$2,275.00	\$2,275.00	\$700.00	\$700.00	\$1,480.00	\$1,480.00	\$1,650.00	\$1,650.00
0205	8X8 TEE	4 EA	\$1,600.00	\$6,400.00	\$2,345.00	\$9,380.00	\$700.00	\$2,800.00	\$1,540.00	\$6,160.00	\$1,725.00	\$6,900.00
0206	4X2 REDUCER	1 EA	\$1,200.00	\$1,200.00	\$875.00	\$875.00	\$300.00	\$300.00	\$1,225.00	\$1,225.00	\$800.00	\$800.00
0207	8X4 REDUCER	1 EA	\$1,200.00	\$1,200.00	\$980.00	\$980.00	\$350.00	\$350.00	\$1,300.00	\$1,300.00	\$835.00	\$835.00
0208	4" SPOOL	1 EA	\$850.00	\$850.00	\$910.00	\$910.00	\$250.00	\$250.00	\$1,260.00	\$1,260.00	\$710.00	\$710.00
0209	8" VALVE	14 EA	\$1,000.00	\$14,000.00	\$3,570.00	\$49,980.00	\$2,000.00	\$28,000.00	\$2,670.00	\$37,380.00	\$2,500.00	\$35,000.00
0210	8" CAP/PLUG	1 EA	\$750.00	\$750.00	\$630.00	\$630.00	\$300.00	\$300.00	\$1,240.00	\$1,240.00	\$1,350.00	\$1,350.00
0211	8" TEMPORARY CAP W/ MINIMUM 4" VALVED BLOWOFF	3 EA	\$1,600.00	\$4,800.00	\$1,820.00	\$5,460.00	\$1,000.00	\$3,000.00	\$1,930.00	\$5,790.00	\$6,250.00	\$18,750.00
0212	REMOVE EXISTING HYDRANT ASSEMBLY	4 EA	\$2,000.00	\$8,000.00	\$2,100.00	\$8,400.00	\$3,000.00	\$12,000.00	\$1,100.00	\$4,400.00	\$3,650.00	\$14,600.00
0213	NEW 8" HYDRANT ASSEMBLY	3 EA	\$10,000.00	\$30,000.00	\$8,680.00	\$26,040.00	\$10,000.00	\$30,000.00	\$7,500.00	\$22,500.00	\$11,500.00	\$34,500.00
0214	MAGNESIUM ANODE, 32-LB	2 EA	\$1,000.00	\$2,000.00	\$630.00	\$1,260.00	\$1,100.00	\$2,200.00	\$890.00	\$1,780.00	\$1,875.00	\$3,750.00
0215	REMOVAL OF EXISTING WATER MAIN	900 LF	\$20.00	\$18,000.00	\$21.00	\$18,900.00	\$27.50	\$24,750.00	\$31.00	\$27,900.00	\$18.50	\$16,650.00
0216	FOUNDATION ROCK	75 TON	\$35.00	\$2,625.00	\$56.00	\$4,200.00	\$55.00	\$4,125.00	\$40.00	\$3,000.00	\$45.00	\$3,375.00
TOTAL CONSTRUCTION COST				\$6,840,000.00		\$7,241,282.50		\$7,459,973.07		\$7,499,359.95		\$8,177,616.00
PERCENT OF ENGINEER'S ESTIMATE						+5.87%		+9.06%		+9.64%		+9.04%