



**Roll Call Number**

**Agenda Item Number**

63

DATE December 12, 2022

**PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON HAMILTON DRAIN STORM WATER IMPROVEMENTS PHASE 3; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS RW EXCAVATING SOLUTIONS, LC, DAN E. WILSON, MANAGING MEMBER, \$7,723,556.90**

WHEREAS, on November 7, 2022, under Roll Call No. 22-1712, 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 3, 082022002

The improvement includes the construction of 15-inch to 72-inch diameter storm sewer, concrete box culverts, manholes, intakes, subdrain, sanitary sewer, Portland Cement Concrete (PCC) pavement, Hot Mix Asphalt (HMA) paving, removals, PCC sidewalk, PCC driveways, 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. 649-001/296, for the construction of storm water detention basins located at 3801 E. 9th Street and 3610 E. 12th Street, and construction of trunk storm sewer from the cul-de-sac in the 3900 block of Amherst Street to the intersection of E. Euclid Avenue and Wright 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 hereby 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
- MPS Engineers, P.C. dba Kingston Services, P.C., Des Moines, IA
- On Track Construction, LLC, Nevada, IA
- S. M. Hentges & Sons Inc., Jordan, MN
- Jasper Construction Services, Inc., Newton, IA
- Synergy Contracting, LLC, Altoona, 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 November 22, 2022. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.



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03

DATE December 12, 2022

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 \$7,723,556.90, 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.

(City Council Communication Number 22-574 attached)

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

FORM APPROVED:

FUNDS AVAILABLE

sl Kathleen Vanderpool

Kathleen Vanderpool  
Deputy City Attorney

Nickolas J. Schaul  
Director of Finance

Funding Source: 2022-23 CIP, Page 107, Hamilton Drainage Area Improvements, SM133, Being: \$7,000,000 American Rescue Plan Act (ARPA) Funding (Storm Water), \$529,410 ARPA Funding (Water Main), and the remaining \$194,146.90 in Storm Water Utility Funds from SM133

SLN  
PV

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

I, Laura Baumgartner, 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

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TABULATED BY: N. Smith APPROVED BY: P. Way  
CHECKED BY: Chabich

**CONTRACTOR'S BID TABULATION**  
PROJECT: HAMILTON DRAIN STORM WATER IMPROVEMENTS PHASE 3

-----ESTIMATE-----

		RW Excavating Solutions, LC Prairie City, IA		MPS Engineers, PC dba Kingston Services, PC Des Moines, IA		On Track Construction, LLC Nevada, IA				
		BID SECURITY 10% Bid Bond BID PRICE		BID SECURITY 10% Bid Bond BID PRICE		BID SECURITY 10% Bid Bond BID PRICE				
ITEM	DESCRIPTION	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT
0001	CLEARING AND GRUBBING	1149 UNITS	\$30.00	\$34,470.00	\$29.40	\$33,780.60	\$32.00	\$36,768.00	\$28.00	\$32,172.00
0002	CLEARING AND GRUBBING	1.6 AC	\$20,000.00	\$32,000.00	\$14,700.00	\$23,520.00	\$16,500.00	\$26,400.00	\$9,450.00	\$15,120.00
0003	TOPSOIL, ON-SITE	5552 CY	\$15.00	\$83,280.00	\$10.50	\$58,296.00	\$15.00	\$83,280.00	\$10.00	\$55,520.00
0004	TOPSOIL, OFF-SITE	3712 CY	\$25.00	\$92,800.00	\$12.60	\$46,771.20	\$25.00	\$92,800.00	\$25.00	\$92,800.00
0005	CLASS 10 EXCAVATION, WASTE	48300 CY	\$15.00	\$724,500.00	\$10.50	\$507,150.00	\$15.00	\$724,500.00	\$17.00	\$821,100.00
0006	SUBGRADE TREATMENT, MIRAFI HP570 GEOTEXTILE	8585 SY	\$10.00	\$85,850.00	\$3.68	\$31,592.80	\$3.00	\$25,755.00	\$5.00	\$42,925.00
0007	SUBBASE, MODIFIED SUBBASE, 8"	8585 SY	\$15.00	\$128,775.00	\$12.60	\$108,171.00	\$15.00	\$128,775.00	\$14.00	\$120,190.00
0008	CLASS A ROADSTONE, INSTALL & REMOVE	2000 TON	\$50.00	\$100,000.00	\$44.10	\$88,200.00	\$32.00	\$64,000.00	\$40.00	\$80,000.00
0009	REMOVAL OF KNOWN BOX CULVERT, WOOD	80 LF	\$35.00	\$2,800.00	\$26.25	\$2,100.00	\$42.00	\$3,360.00	\$120.00	\$9,600.00
0010	REMOVAL OF KNOWN BOX CULVERT, WOOD, ROOF ONLY	32 SY	\$50.00	\$1,600.00	\$21.00	\$672.00	\$84.00	\$2,688.00	\$155.00	\$4,960.00
0011	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	2000 CY	\$25.00	\$50,000.00	\$22.06	\$44,120.00	\$24.00	\$48,000.00	\$80.00	\$160,000.00
0012	SANITARY SEWER GRAVITY MAIN, TRENCHED, 8"	235 LF	\$110.00	\$25,850.00	\$96.60	\$22,701.00	\$110.00	\$25,850.00	\$155.00	\$36,425.00
0013	SANITARY SEWER GRAVITY MAIN, TRENCHED, 10"	266 LF	\$150.00	\$39,900.00	\$124.95	\$33,236.70	\$150.00	\$39,900.00	\$165.00	\$43,890.00
0014	SANITARY SEWER GRAVITY MAIN, TRENCHED, 15"	145 LF	\$210.00	\$30,450.00	\$151.20	\$21,924.00	\$210.00	\$30,450.00	\$190.00	\$27,550.00
0015	SANITARY SEWER GRAVITY MAIN, TRENCHED, DIP, 10"	57 LF	\$225.00	\$12,825.00	\$205.80	\$11,730.60	\$495.00	\$28,215.00	\$250.00	\$14,250.00
0016	SANITARY SEWER GRAVITY MAIN, TRENCHED, DIP, 15"	60 LF	\$275.00	\$16,500.00	\$280.35	\$16,821.00	\$575.00	\$34,500.00	\$275.00	\$16,500.00
0017	SANITARY SEWER SERVICE STUB	325 LF	\$150.00	\$48,750.00	\$78.75	\$25,593.75	\$150.00	\$48,750.00	\$70.00	\$22,750.00
0018	SANITARY SEWER SERVICE RELOCATION	10 EA	\$3,000.00	\$30,000.00	\$2,625.00	\$26,250.00	\$3,800.00	\$38,000.00	\$2,900.00	\$29,000.00
0019	REMOVAL OF SANITARY SEWER, 8" VCP	33 LF	\$55.00	\$1,815.00	\$21.00	\$693.00	\$42.00	\$1,386.00	\$40.00	\$1,320.00
0020	REMOVAL OF SANITARY SEWER, 10" VCP	302 LF	\$75.00	\$22,650.00	\$26.25	\$7,927.50	\$42.00	\$12,684.00	\$40.00	\$12,080.00
0021	REMOVAL OF SANITARY SEWER, 15" VCP	62 LF	\$95.00	\$5,890.00	\$26.25	\$1,627.50	\$42.00	\$2,604.00	\$45.00	\$2,790.00
0022	STORM SEWER, TRENCHED, 15"	80 LF	\$130.00	\$10,400.00	\$38.02	\$3,041.60	\$130.00	\$10,400.00	\$115.00	\$9,200.00
0023	STORM SEWER, TRENCHED, 18"	989 LF	\$120.00	\$118,680.00	\$47.17	\$46,651.13	\$120.00	\$118,680.00	\$120.00	\$118,680.00
0024	STORM SEWER, TRENCHED, 24"	346 LF	\$160.00	\$55,360.00	\$67.58	\$23,382.68	\$160.00	\$55,360.00	\$130.00	\$44,980.00
0025	STORM SEWER, TRENCHED, 30"	117 LF	\$180.00	\$21,060.00	\$94.34	\$11,037.78	\$180.00	\$21,060.00	\$185.00	\$21,645.00
0026	STORM SEWER, TRENCHED, 36"	96 LF	\$200.00	\$19,200.00	\$130.94	\$12,570.24	\$200.00	\$19,200.00	\$225.00	\$21,600.00
0027	STORM SEWER, TRENCHED, 48"	174 LF	\$300.00	\$52,200.00	\$223.87	\$38,953.38	\$300.00	\$52,200.00	\$280.00	\$48,720.00
0028	STORM SEWER, TRENCHED, 60"	527 LF	\$325.00	\$171,275.00	\$339.33	\$178,826.91	\$325.00	\$171,275.00	\$675.00	\$355,725.00
0029	STORM SEWER, TRENCHED, 72"	1201 LF	\$700.00	\$840,700.00	\$477.31	\$573,249.31	\$685.00	\$822,685.00	\$820.00	\$984,820.00
0030	STORM SEWER, TRENCHED, 54" EQUIVALENT DIAMETER ARCH PIPE	73 LF	\$450.00	\$32,850.00	\$464.64	\$33,918.72	\$450.00	\$32,850.00	\$500.00	\$36,500.00
0031	STORM SEWER, TRENCHED 6'X4' RCBC	485 LF	\$1,100.00	\$533,500.00	\$792.00	\$384,120.00	\$1,100.00	\$533,500.00	\$930.00	\$451,050.00
0032	STORM SEWER, PREMANUFACTURED BEND, 60"	8 EA	\$6,500.00	\$52,000.00	\$5,431.36	\$43,450.88	\$5,120.00	\$40,960.00	\$8,450.00	\$67,600.00
0033	STORM SEWER, PREMANUFACTURED BEND, 72"	14 EA	\$7,500.00	\$105,000.00	\$7,168.48	\$100,358.72	\$5,595.00	\$78,330.00	\$9,975.00	\$139,650.00
0034	STORM SEWER, PREMANUFACTURED BEND, 6'X4' RCBC	11 EA	\$8,000.00	\$88,000.00	\$11,729.00	\$129,019.00	\$6,990.00	\$76,890.00	\$10,015.00	\$110,165.00
0035	STORM SEWER, TRENCHLESS, 48"	373 LF	\$1,500.00	\$559,500.00	\$1,110.00	\$414,030.00	\$1,320.00	\$492,360.00	\$1,350.00	\$503,550.00
0036	STORM SEWER COLLAR	2 EA	\$4,500.00	\$9,000.00	\$3,500.00	\$7,000.00	\$4,500.00	\$9,000.00	\$5,000.00	\$10,000.00
0037	REMOVAL OF STORM SEWER < 30" DIA	1205 LF	\$35.00	\$42,175.00	\$30.00	\$36,150.00	\$35.00	\$42,175.00	\$35.00	\$42,175.00
0038	STORM SEWER ABANDONMENT, FILL AND PLUG	634 CY	\$200.00	\$126,800.00	\$200.00	\$126,800.00	\$103.00	\$65,302.00	\$200.00	\$126,800.00
0039	PIPE APRON, RCP, 18"	3 EA	\$2,200.00	\$6,600.00	\$1,035.20	\$3,105.60	\$2,200.00	\$6,600.00	\$1,450.00	\$4,350.00
0040	PIPE APRON, RCP, 24"	1 EA	\$1,500.00	\$1,500.00	\$1,344.80	\$1,344.80	\$1,500.00	\$1,500.00	\$1,585.00	\$1,585.00
0041	PIPE APRON, RCP, 30"	2 EA	\$2,200.00	\$4,400.00	\$1,728.00	\$3,456.00	\$2,200.00	\$4,400.00	\$1,655.00	\$3,310.00
0042	PIPE APRON, RCP, 36"	2 EA	\$3,500.00	\$7,000.00	\$3,899.20	\$7,798.40	\$3,500.00	\$7,000.00	\$2,100.00	\$4,200.00
0043	PIPE APRON, RCP, 48"	1 EA	\$4,500.00	\$4,500.00	\$6,240.00	\$6,240.00	\$4,500.00	\$4,500.00	\$2,945.00	\$2,945.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0044	PIPE APRON, RCP, 72"	1 EA	\$9,000.00	\$9,000.00	\$14,040.00	\$14,040.00	\$9,000.00	\$9,000.00	\$4,950.00	\$4,950.00
0045	FOOTING FOR CONCRETE PIPE APRON, 18"	3 EA	\$1,000.00	\$3,000.00	\$1,167.68	\$3,503.04	\$1,200.00	\$3,600.00	\$550.00	\$1,650.00
0046	FOOTING FOR CONCRETE PIPE APRON, 24"	1 EA	\$2,500.00	\$2,500.00	\$1,515.36	\$1,515.36	\$1,950.00	\$1,950.00	\$650.00	\$650.00
0047	FOOTING FOR CONCRETE PIPE APRON, 36"	2 EA	\$2,501.00	\$5,002.00	\$2,249.60	\$4,499.20	\$2,400.00	\$4,800.00	\$685.00	\$1,370.00
0048	FOOTING FOR CONCRETE PIPE APRON, 48"	1 EA	\$4,000.00	\$4,000.00	\$2,643.20	\$2,643.20	\$3,600.00	\$3,600.00	\$1,015.00	\$1,015.00
0049	FOOTING FOR CONCRETE PIPE APRON, 72"	1 EA	\$8,000.00	\$8,000.00	\$3,364.80	\$3,364.80	\$6,400.00	\$6,400.00	\$1,165.00	\$1,165.00
0050	PIPE APRON GUARD, 30"	2 EA	\$1,500.00	\$3,000.00	\$1,469.60	\$2,939.20	\$1,500.00	\$3,000.00	\$1,315.00	\$2,630.00
0051	PIPE APRON GUARD, 36"	2 EA	\$1,750.00	\$3,500.00	\$1,821.60	\$3,643.20	\$1,750.00	\$3,500.00	\$1,595.00	\$3,190.00
0052	PIPE COLLAR, SW-211, PC-2	2 EA	\$3,500.00	\$7,000.00	\$2,625.00	\$5,250.00	\$3,500.00	\$7,000.00	\$4,000.00	\$8,000.00
0053	SUBDRAIN, 8"	103 LF	\$30.00	\$3,090.00	\$31.50	\$3,244.50	\$30.00	\$3,090.00	\$42.00	\$4,326.00
0054	SUBDRAIN OUTLETS AND CONNECTIONS, CMP, 8"	14 EA	\$500.00	\$7,000.00	\$367.50	\$5,145.00	\$500.00	\$7,000.00	\$550.00	\$7,700.00
0055	NEW WATER SERVICE	13 EA	\$3,500.00	\$45,500.00	\$3,675.00	\$47,775.00	\$3,500.00	\$45,500.00	\$2,675.00	\$34,775.00
0056	ADJUST STOP BOX TO NEW GRADE	20 EA	\$350.00	\$7,000.00	\$262.50	\$5,250.00	\$350.00	\$7,000.00	\$675.00	\$13,500.00
0057	MANHOLE, SW-301 (48")	5 EA	\$6,500.00	\$32,500.00	\$3,680.88	\$18,404.40	\$5,600.00	\$28,000.00	\$4,800.00	\$24,000.00
0058	MANHOLE, SW-303 (48")	10 EA	\$7,500.00	\$75,000.00	\$2,482.50	\$24,825.00	\$7,800.00	\$78,000.00	\$7,250.00	\$72,500.00
0059	MANHOLE, SW-303 (60")	1 EA	\$7,500.00	\$7,500.00	\$8,853.60	\$8,853.60	\$9,800.00	\$9,800.00	\$13,250.00	\$13,250.00
0060	MANHOLE, SW-401, 48"	4 EA	\$6,499.00	\$25,996.00	\$2,527.60	\$10,110.40	\$6,500.00	\$26,000.00	\$3,600.00	\$14,400.00
0061	MANHOLE, SW-401, 96"	2 EA	\$13,000.00	\$26,000.00	\$18,667.00	\$37,334.00	\$13,000.00	\$26,000.00	\$18,750.00	\$37,500.00
0062	MANHOLE, SW-402, 6'X6'	1 EA	\$15,000.00	\$15,000.00	\$10,200.00	\$10,200.00	\$10,500.00	\$10,500.00	\$12,600.00	\$12,600.00
0063	MANHOLE, SW-403, 8'X4'	1 EA	\$25,000.00	\$25,000.00	\$24,900.00	\$24,900.00	\$23,250.00	\$23,250.00	\$25,075.00	\$25,075.00
0064	MANHOLE, SW-403, 9'X4'	2 EA	\$20,000.00	\$40,000.00	\$26,100.00	\$52,200.00	\$24,250.00	\$48,500.00	\$26,195.00	\$52,390.00
0065	MANHOLE, SW-403, 9'X6'	2 EA	\$20,000.00	\$40,000.00	\$29,400.00	\$58,800.00	\$27,050.00	\$54,100.00	\$30,000.00	\$60,000.00
0066	MANHOLE, SW-405, 48" ON 60"	2 EA	\$8,000.00	\$16,000.00	\$9,691.00	\$19,382.00	\$8,000.00	\$16,000.00	\$9,150.00	\$18,300.00
0067	MANHOLE, SW-405, 48" ON 72"	3 EA	\$9,000.00	\$27,000.00	\$5,310.00	\$15,930.00	\$9,000.00	\$27,000.00	\$9,400.00	\$28,200.00
0068	MANHOLE, SW-401M, 48" ON RCB	3 EA	\$4,500.00	\$13,500.00	\$4,212.00	\$12,636.00	\$4,500.00	\$13,500.00	\$3,575.00	\$10,725.00
0069	INTAKE, SW-501	2 EA	\$7,500.00	\$15,000.00	\$4,860.00	\$9,720.00	\$5,050.00	\$10,100.00	\$5,950.00	\$11,900.00
0070	INTAKE, SW-505	4 EA	\$11,000.00	\$44,000.00	\$7,980.00	\$31,920.00	\$8,150.00	\$32,600.00	\$10,365.00	\$41,460.00
0071	INTAKE, SW-507	10 EA	\$7,000.00	\$70,000.00	\$9,600.00	\$96,000.00	\$9,500.00	\$95,000.00	\$10,175.00	\$101,750.00
0072	INTAKE, SW-508	1 EA	\$8,500.00	\$8,500.00	\$15,300.00	\$15,300.00	\$9,500.00	\$9,500.00	\$11,250.00	\$11,250.00
0073	INTAKE, SW-508M	1 EA	\$9,500.00	\$9,500.00	\$10,200.00	\$10,200.00	\$14,750.00	\$14,750.00	\$16,050.00	\$16,050.00
0074	INTAKE, SW-509	12 EA	\$7,500.00	\$90,000.00	\$13,800.00	\$165,600.00	\$13,000.00	\$156,000.00	\$14,250.00	\$171,000.00
0075	INTAKE, SW-512, 24"	1 EA	\$3,500.00	\$3,500.00	\$1,928.00	\$1,928.00	\$3,200.00	\$3,200.00	\$3,250.00	\$3,250.00
0076	INTAKE, SW-513, (4'X4')	1 EA	\$8,000.00	\$8,000.00	\$8,100.00	\$8,100.00	\$8,250.00	\$8,250.00	\$9,000.00	\$9,000.00
0077	S-03 CUSTOM STRUCTURE	1 EA	\$20,000.00	\$20,000.00	\$27,300.00	\$27,300.00	\$27,750.00	\$27,750.00	\$32,150.00	\$32,150.00
0078	S-04 CUSTOM STRUCTURE	1 EA	\$20,000.00	\$20,000.00	\$27,300.00	\$27,300.00	\$27,750.00	\$27,750.00	\$32,150.00	\$32,150.00
0079	S-12 CUSTOM STRUCTURE	1 EA	\$20,000.00	\$20,000.00	\$49,800.00	\$49,800.00	\$46,500.00	\$46,500.00	\$55,800.00	\$55,800.00
0080	S-15 CUSTOM STRUCTURE	1 EA	\$80,000.00	\$80,000.00	\$96,900.00	\$96,900.00	\$105,750.00	\$105,750.00	\$107,500.00	\$107,500.00
0081	S-64 CUSTOM STRUCTURE	1 EA	\$80,000.00	\$80,000.00	\$96,900.00	\$96,900.00	\$105,750.00	\$105,750.00	\$107,500.00	\$107,500.00
0082	MANHOLE ADJUSTMENT, MINOR	5 EA	\$750.00	\$3,750.00	\$1,575.00	\$7,875.00	\$1,200.00	\$6,000.00	\$1,300.00	\$6,500.00
0083	REMOVAL OF APRON, PCC, 15"	1 EA	\$1,500.00	\$1,500.00	\$525.00	\$525.00	\$800.00	\$800.00	\$785.00	\$785.00
0084	PCC BOXOUT	2 EA	\$1,500.00	\$3,000.00	\$2,100.00	\$4,200.00	\$2,400.00	\$4,800.00	\$2,275.00	\$4,550.00
0085	CONNECTION TO EXISTING INTAKE	1 EA	\$2,500.00	\$2,500.00	\$3,150.00	\$3,150.00	\$2,500.00	\$2,500.00	\$9,000.00	\$9,000.00
0086	REMOVE MANHOLE	7 EA	\$1,500.00	\$10,500.00	\$1,260.00	\$8,820.00	\$1,200.00	\$8,400.00	\$700.00	\$4,900.00
0087	REMOVE INTAKE	23 EA	\$1,500.00	\$34,500.00	\$1,260.00	\$28,980.00	\$800.00	\$18,400.00	\$699.00	\$16,077.00
0088	PAVEMENT, PCC, 6"	1255 SY	\$65.00	\$81,575.00	\$75.75	\$95,066.25	\$64.00	\$80,320.00	\$76.00	\$95,380.00
0089	PAVEMENT, PCC, 6", REINFORCED	5160 SY	\$68.00	\$350,880.00	\$85.85	\$442,986.00	\$72.00	\$371,520.00	\$86.00	\$443,760.00
0090	CURB AND GUTTER, 2', 6"	46 LF	\$50.00	\$2,300.00	\$42.00	\$1,932.00	\$64.00	\$2,944.00	\$50.00	\$2,300.00
0091	CURB AND GUTTER, 2.5', 6"	1366 LF	\$55.00	\$75,130.00	\$42.00	\$57,372.00	\$45.00	\$61,470.00	\$29.00	\$39,614.00
0092	HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28H	186 TON	\$125.00	\$23,250.00	\$147.00	\$27,342.00	\$128.00	\$23,808.00	\$141.50	\$26,319.00
0093	HMA STANDARD TRAFFIC (ST) BASE, 3/4", PG 58-28S	370 TON	\$110.00	\$40,700.00	\$141.75	\$52,447.50	\$125.00	\$46,250.00	\$136.50	\$50,505.00
0094	REMOVAL OF SIDEWALK	1325 SY	\$15.00	\$19,875.00	\$21.00	\$27,825.00	\$12.00	\$15,900.00	\$10.00	\$13,250.00
0095	REMOVAL OF DRIVEWAY	1153 SY	\$15.00	\$17,295.00	\$21.00	\$24,213.00	\$12.00	\$13,836.00	\$15.00	\$17,295.00
0096	SIDEWALK, PCC, 4"	1483 SY	\$63.00	\$93,429.00	\$57.75	\$85,643.25	\$68.00	\$100,844.00	\$48.00	\$71,184.00
0097	SIDEWALK, PCC, 6"	1475 SY	\$75.00	\$110,625.00	\$78.75	\$116,156.25	\$78.00	\$115,050.00	\$76.00	\$112,100.00
0098	DETECTABLE WARNINGS	422 SF	\$55.00	\$23,210.00	\$52.50	\$22,155.00	\$48.00	\$20,256.00	\$50.00	\$21,100.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0099	DRIVEWAY, PAVED, PCC, 6"	1025 SY	\$65.00	\$66,625.00	\$78.75	\$80,718.75	\$70.00	\$71,750.00	\$82.00	\$84,050.00
0100	DRIVEWAY, GRANULAR	500 TON	\$40.00	\$20,000.00	\$47.25	\$23,625.00	\$40.00	\$20,000.00	\$54.00	\$27,000.00
0101	PAVEMENT REMOVAL	8260 SY	\$17.00	\$140,420.00	\$15.75	\$130,095.00	\$16.00	\$132,160.00	\$20.00	\$165,200.00
0102	ENGINEERING FABRIC	1000 SY	\$5.00	\$5,000.00	\$3.15	\$3,150.00	\$4.50	\$4,500.00	\$3.00	\$3,000.00
0103	TEMPORARY TRAFFIC CONTROL	1 LS	\$40,000.00	\$40,000.00	\$20,000.00	\$20,000.00	\$32,000.00	\$32,000.00	\$20,000.00	\$20,000.00
0104	REPLACE STREET SIGNS	11 EA	\$250.00	\$2,750.00	\$210.00	\$2,310.00	\$200.00	\$2,200.00	\$230.00	\$2,530.00
0105	HYDRAULIC SEEDING, TYPE A (LAWN)	2.1 AC	\$5,000.00	\$10,500.00	\$10,500.00	\$22,050.00	\$3,560.00	\$7,476.00	\$3,600.00	\$7,560.00
0106	HYDRAULIC SEEDING, TYPE B (SLOPE SEED MIX)	3.2 AC	\$5,000.00	\$16,000.00	\$10,500.00	\$33,600.00	\$3,180.00	\$10,176.00	\$3,200.00	\$10,240.00
0107	HYDRAULIC SEEDING, TYPE C (SEMI WET BASIN MIX)	1.5 AC	\$5,000.00	\$7,500.00	\$10,500.00	\$15,750.00	\$3,880.00	\$5,820.00	\$4,000.00	\$6,000.00
0108	WARRANTY	1 LS	\$5,000.00	\$5,000.00	\$5,250.00	\$5,250.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
0109	SOD	2350 SQ	\$110.00	\$258,500.00	\$94.50	\$222,075.00	\$73.00	\$171,550.00	\$75.00	\$176,250.00
0110	STORM WATER POLLUTION PREVENTION	1 LS	\$15,000.00	\$15,000.00	\$15,750.00	\$15,750.00	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00
0111	PLANTS WITH WARRANTY	1 LS	\$20,000.00	\$20,000.00	\$17,850.00	\$17,850.00	\$16,650.00	\$16,650.00	\$16,850.00	\$16,850.00
0112	FILTER SOCK, 12"	2700 LF	\$3.00	\$8,100.00	\$3.68	\$9,936.00	\$2.50	\$6,750.00	\$2.50	\$6,750.00
0113	FILTER SOCK, REMOVAL	2700 LF	\$1.00	\$2,700.00	\$1.05	\$2,835.00	\$0.30	\$810.00	\$0.30	\$810.00
0114	TEMPORARY RECP, TYPE 1A	12447 SY	\$3.00	\$37,341.00	\$2.10	\$26,138.70	\$1.30	\$16,181.10	\$1.50	\$18,670.50
0115	TEMPORARY RECP, TYPE 2C	9425 SY	\$3.00	\$28,275.00	\$2.42	\$22,808.50	\$1.30	\$12,252.50	\$1.50	\$14,137.50
0116	RIP RAP, CLASS E	1592 TON	\$55.00	\$87,560.00	\$75.60	\$120,355.20	\$52.00	\$82,784.00	\$65.00	\$103,480.00
0117	FLEXAMAT	18500 SF	\$7.50	\$138,750.00	\$7.51	\$138,935.00	\$7.25	\$134,125.00	\$8.00	\$148,000.00
0118	SILT FENCE	250 LF	\$3.00	\$750.00	\$3.15	\$787.50	\$3.00	\$750.00	\$3.00	\$750.00
0119	SILT FENCE, REMOVAL OF DEVICE	250 LF	\$1.00	\$250.00	\$1.05	\$262.50	\$1.00	\$250.00	\$1.00	\$250.00
0120	STABILIZED CONSTRUCTION ENTRANCE	500 TON	\$55.00	\$27,500.00	\$57.75	\$28,875.00	\$35.00	\$17,500.00	\$36.00	\$18,000.00
0121	EROSION CONTROL MULCHING, HYDROMULCHING	2.5 AC	\$3,000.00	\$7,500.00	\$6,825.00	\$17,062.50	\$2,200.00	\$5,500.00	\$2,250.00	\$5,625.00
0122	INLET PROTECTION DEVICE	120 EA	\$250.00	\$30,000.00	\$157.50	\$18,900.00	\$165.00	\$19,800.00	\$165.00	\$19,800.00
0123	INLET PROTECTION DEVICE MAINTENANCE	120 EA	\$10.00	\$1,200.00	\$26.25	\$3,150.00	\$20.00	\$2,400.00	\$20.00	\$2,400.00
0124	CHAIN LINK FENCE, 48", BLACK VINYL COATED	56 LF	\$22.00	\$1,232.00	\$44.00	\$2,464.00	\$38.00	\$2,128.00	\$40.00	\$2,240.00
0125	CHAIN LINK FENCE, 48"	1414 LF	\$20.00	\$28,280.00	\$32.00	\$45,248.00	\$27.50	\$38,885.00	\$28.00	\$39,592.00
0126	CHAIN LINK FENCE, 72"	176 LF	\$30.00	\$5,280.00	\$47.00	\$8,272.00	\$40.75	\$7,172.00	\$43.00	\$7,568.00
0127	WOOD FENCE, 72"	415 LF	\$32.00	\$13,280.00	\$55.00	\$22,825.00	\$46.25	\$19,193.75	\$48.00	\$19,920.00
0128	GATES, CHAINLINK, 48"	1 EA	\$1,500.00	\$1,500.00	\$924.00	\$924.00	\$600.00	\$600.00	\$600.00	\$600.00
0129	REMOVAL OF FENCE	1650 LF	\$6.00	\$9,900.00	\$5.25	\$8,662.50	\$3.75	\$6,187.50	\$4.00	\$6,600.00
0130	TEMPORARY FENCE, CHAIN LINK SECURITY FENCE, 72"	1080 LF	\$10.00	\$10,800.00	\$14.70	\$15,876.00	\$7.75	\$8,370.00	\$8.00	\$8,640.00
0131	MODULAR BLOCK RETAINING WALL	203 SF	\$50.00	\$10,150.00	\$45.00	\$9,135.00	\$39.00	\$7,917.00	\$90.00	\$18,270.00
0132	COMBINED CONCRETE SIDEWALK AND RETAINING WALL	10 CY	\$1,000.00	\$10,000.00	\$945.00	\$9,450.00	\$1,250.00	\$12,500.00	\$500.00	\$5,000.00
0133	REMOVE SHED	1 EA	\$1,500.00	\$1,500.00	\$525.00	\$525.00	\$600.00	\$600.00	\$500.00	\$500.00
0134	MOBILIZATION	1 LS	\$600,395.00	\$600,395.00	\$700,000.00	\$700,000.00	\$1,152,962.00	\$1,152,962.00	\$714,400.00	\$714,400.00
0135	PRECONSTRUCTION CRACK AND DAMAGE SURVEY	1 LS	\$20,000.00	\$20,000.00	\$15,750.00	\$15,750.00	\$19,650.00	\$19,650.00	\$6,500.00	\$6,500.00
0136	RELOCATE AND REPLACE BACKYARD ITEMS	1 LS	\$4,500.00	\$4,500.00	\$4,725.00	\$4,725.00	\$4,500.00	\$4,500.00	\$9,450.00	\$9,450.00
0137	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	14 DAY	\$175.00	\$2,450.00	\$235.20	\$3,292.80	\$160.00	\$2,240.00	\$180.00	\$2,520.00
0138	POTHOLING	25 EA	\$1,100.00	\$27,500.00	\$840.00	\$21,000.00	\$1,100.00	\$27,500.00	\$785.00	\$19,625.00
0139	SAWCUTTING DUST AND SLURRY MANAGEMENT	1 LS	\$5,000.00	\$5,000.00	\$2,625.00	\$2,625.00	\$5,000.00	\$5,000.00	\$7,500.00	\$7,500.00
0140	MAINTENANCE OF POSTAL SERVICE	1 LS	\$10,000.00	\$10,000.00	\$1,575.00	\$1,575.00	\$1,250.00	\$1,250.00	\$10,000.00	\$10,000.00
0141	MAINTENANCE OF SOLID WASTE COLLECTION	1 LS	\$15,000.00	\$15,000.00	\$2,100.00	\$2,100.00	\$31,200.00	\$31,200.00	\$10,000.00	\$10,000.00
DIVISION 2: DES MOINES WATER WORKS										
0200	6" CL 52 DIP, STAB JOINT, TRENCHED	190 LF	\$200.00	\$38,000.00	\$160.00	\$30,400.00	\$196.00	\$37,240.00	\$200.00	\$38,000.00
0201	8" CL 52 DIP, RESTRAINED JOINT, TRENCHED	330 LF	\$200.00	\$66,000.00	\$230.00	\$75,900.00	\$208.00	\$68,640.00	\$225.00	\$74,250.00
0202	8" C900 DR18 PVC, RESTRAINED JOINT, TRENCHED	607 LF	\$100.00	\$60,700.00	\$140.00	\$84,980.00	\$156.00	\$94,692.00	\$160.00	\$97,120.00
0203	8" C900 DR18 PVC, STAB JOINT, TRENCHED	460 LF	\$100.00	\$46,000.00	\$140.00	\$64,400.00	\$102.00	\$46,920.00	\$130.00	\$59,800.00
0204	FITTING BY WEIGHT, DUCTILE IRON	4034 LBS	\$10.00	\$40,340.00	\$20.00	\$80,680.00	\$16.00	\$64,544.00	\$37.50	\$151,275.00
0205	8" VALVE	9 EA	\$2,800.00	\$25,200.00	\$3,300.00	\$29,700.00	\$2,800.00	\$25,200.00	\$2,800.00	\$25,200.00
0206	REMOVE EXISTING HYDRANT ASSEMBLY	3 EA	\$2,600.00	\$7,800.00	\$2,000.00	\$6,000.00	\$2,100.00	\$6,300.00	\$1,815.00	\$5,445.00
0207	NEW 6" HYDRANT ASSEMBLY	4 EA	\$10,000.00	\$40,000.00	\$11,000.00	\$44,000.00	\$7,400.00	\$29,600.00	\$7,500.00	\$30,000.00
0208	MAGNESIUM ANODE, 32-LB	6 EA	\$1,000.00	\$6,000.00	\$3,000.00	\$18,000.00	\$850.00	\$5,100.00	\$750.00	\$4,500.00
0209	REMOVAL OF EXISTING WATER MAIN	150 LF	\$20.00	\$3,000.00	\$25.00	\$3,750.00	\$25.00	\$3,750.00	\$20.00	\$3,000.00

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>
0210	FOUNDATION ROCK	100	TON	\$35.00	\$3,500.00	\$55.00	\$5,500.00	\$21.00	\$2,100.00	\$70.00	\$7,000.00			
0211	1" WATER SERVICE TRANSFER	13	EA	\$2,500.00	\$32,500.00	\$4,700.00	\$61,100.00	\$2,650.00	\$34,450.00	\$2,900.00	\$37,700.00			
0212	16" CASING PIPE	40	LF	\$200.00	\$8,000.00	\$350.00	\$14,000.00	\$412.00	\$16,480.00	\$125.00	\$5,000.00			
0213	ABANDONMENT OF EXISTING WATER MAIN	1	LS	\$20,000.00	\$20,000.00	\$5,000.00	\$5,000.00	\$18,500.00	\$18,500.00	\$10,000.00	\$10,000.00			
0214	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE	3	EA	\$4,000.00	\$12,000.00	\$2,000.00	\$6,000.00	\$6,475.05	\$19,425.15	\$5,000.00	\$15,000.00			
TOTAL CONSTRUCTION COST					\$8,409,040.00		\$7,723,556.90		\$8,771,161.00		\$9,159,000.00			
PERCENT OF ENGINEER'S ESTIMATE							-8.15%		+4.31%		+8.92%			
							Low							

TABULATED BY: N. Smith      APPROVED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_

**CONTRACTOR'S BID TABULATION**  
PROJECT: HAMILTON DRAIN STORM WATER IMPROVEMENTS PHASE 3

-----ESTIMATE-----

S.M. Hentges & Sons, Inc.  
Jordan, MN

Jasper Construction  
Services, Inc  
Newton, IA

Synergy Contracting, LLC  
Des Moines, IA

BID SECURITY  
10% Bid Bond  
BID PRICE

BID SECURITY  
10% Bid Bond  
BID PRICE

BID SECURITY  
10% Bid Bond  
BID PRICE

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0001	CLEARING AND GRUBBING	1149 UNITS	\$30.00	\$34,470.00	\$55.00	\$63,195.00	\$35.00	\$40,215.00	\$45.00	\$51,705.00
0002	CLEARING AND GRUBBING	1.6 AC	\$20,000.00	\$32,000.00	\$25,000.00	\$40,000.00	\$12,000.00	\$19,200.00	\$16,235.00	\$25,976.00
0003	TOPSOIL, ON-SITE	5552 CY	\$15.00	\$83,280.00	\$15.00	\$83,280.00	\$25.00	\$138,800.00	\$12.00	\$66,624.00
0004	TOPSOIL, OFF-SITE	3712 CY	\$25.00	\$92,800.00	\$30.00	\$111,360.00	\$60.00	\$222,720.00	\$30.00	\$111,360.00
0005	CLASS 10 EXCAVATION, WASTE	48300 CY	\$15.00	\$724,500.00	\$19.50	\$941,850.00	\$17.50	\$845,250.00	\$18.00	\$869,400.00
0006	SUBGRADE TREATMENT, MIRAFI HP570 GEOTEXTILE	8585 SY	\$10.00	\$85,850.00	\$6.00	\$51,510.00	\$5.00	\$42,925.00	\$6.00	\$51,510.00
0007	SUBBASE, MODIFIED SUBBASE, 8"	8585 SY	\$15.00	\$128,775.00	\$19.00	\$163,115.00	\$21.00	\$180,285.00	\$18.00	\$154,530.00
0008	CLASS A ROADSTONE, INSTALL & REMOVE	2000 TON	\$50.00	\$100,000.00	\$50.00	\$100,000.00	\$50.00	\$100,000.00	\$48.00	\$96,000.00
0009	REMOVAL OF KNOWN BOX CULVERT, WOOD	80 LF	\$35.00	\$2,800.00	\$1,000.00	\$80,000.00	\$128.00	\$10,240.00	\$133.00	\$10,640.00
0010	REMOVAL OF KNOWN BOX CULVERT, WOOD, ROOF ONLY	32 SY	\$50.00	\$1,600.00	\$750.00	\$24,000.00	\$165.00	\$5,280.00	\$105.00	\$3,360.00
0011	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	2000 CY	\$25.00	\$50,000.00	\$65.00	\$130,000.00	\$80.00	\$160,000.00	\$70.00	\$140,000.00
0012	SANITARY SEWER GRAVITY MAIN, TRENCHED, 8"	235 LF	\$110.00	\$25,850.00	\$120.00	\$28,200.00	\$100.00	\$23,500.00	\$231.00	\$54,285.00
0013	SANITARY SEWER GRAVITY MAIN, TRENCHED, 10"	266 LF	\$150.00	\$39,900.00	\$130.00	\$34,580.00	\$190.00	\$50,540.00	\$245.00	\$65,170.00
0014	SANITARY SEWER GRAVITY MAIN, TRENCHED, 15"	145 LF	\$210.00	\$30,450.00	\$155.00	\$22,475.00	\$245.00	\$35,525.00	\$483.00	\$70,035.00
0015	SANITARY SEWER GRAVITY MAIN, TRENCHED, DIP, 10"	57 LF	\$225.00	\$12,825.00	\$500.00	\$28,500.00	\$285.00	\$16,245.00	\$560.00	\$31,920.00
0016	SANITARY SEWER GRAVITY MAIN, TRENCHED, DIP, 15"	60 LF	\$275.00	\$16,500.00	\$440.00	\$26,400.00	\$300.00	\$18,000.00	\$588.00	\$35,280.00
0017	SANITARY SEWER SERVICE STUB	325 LF	\$150.00	\$48,750.00	\$45.00	\$14,625.00	\$115.00	\$37,375.00	\$70.00	\$22,750.00
0018	SANITARY SEWER SERVICE RELOCATION	10 EA	\$3,000.00	\$30,000.00	\$3,000.00	\$30,000.00	\$3,300.00	\$33,000.00	\$7,420.00	\$74,200.00
0019	REMOVAL OF SANITARY SEWER, 8" VCP	33 LF	\$55.00	\$1,815.00	\$30.00	\$990.00	\$45.00	\$1,485.00	\$35.00	\$1,155.00
0020	REMOVAL OF SANITARY SEWER, 10" VCP	302 LF	\$75.00	\$22,650.00	\$30.00	\$9,060.00	\$47.00	\$14,194.00	\$42.00	\$12,684.00
0021	REMOVAL OF SANITARY SEWER, 15" VCP	62 LF	\$95.00	\$5,890.00	\$30.00	\$1,860.00	\$49.00	\$3,038.00	\$49.00	\$3,038.00
0022	STORM SEWER, TRENCHED, 15"	80 LF	\$130.00	\$10,400.00	\$75.00	\$6,000.00	\$160.00	\$12,800.00	\$189.00	\$15,120.00
0023	STORM SEWER, TRENCHED, 18"	989 LF	\$120.00	\$118,680.00	\$110.00	\$108,790.00	\$180.00	\$178,020.00	\$203.00	\$200,767.00
0024	STORM SEWER, TRENCHED, 24"	346 LF	\$160.00	\$55,360.00	\$120.00	\$41,520.00	\$150.00	\$51,900.00	\$238.00	\$82,348.00
0025	STORM SEWER, TRENCHED, 30"	117 LF	\$180.00	\$21,060.00	\$145.00	\$16,965.00	\$150.00	\$17,550.00	\$294.00	\$34,398.00
0026	STORM SEWER, TRENCHED, 36"	96 LF	\$200.00	\$19,200.00	\$185.00	\$17,760.00	\$340.00	\$32,640.00	\$315.00	\$30,240.00
0027	STORM SEWER, TRENCHED, 48"	174 LF	\$300.00	\$52,200.00	\$300.00	\$52,200.00	\$330.00	\$57,420.00	\$413.00	\$71,862.00
0028	STORM SEWER, TRENCHED, 60"	527 LF	\$325.00	\$171,275.00	\$550.00	\$289,850.00	\$575.00	\$303,025.00	\$518.00	\$272,986.00
0029	STORM SEWER, TRENCHED, 72"	1201 LF	\$700.00	\$840,700.00	\$675.00	\$810,675.00	\$900.00	\$1,080,900.00	\$581.00	\$697,781.00
0030	STORM SEWER, TRENCHED, 54" EQUIVALENT DIAMETER ARCH PIPE	73 LF	\$450.00	\$32,850.00	\$725.00	\$52,925.00	\$470.00	\$34,310.00	\$602.00	\$43,946.00
0031	STORM SEWER, TRENCHED 6'X4' RCBC	485 LF	\$1,100.00	\$533,500.00	\$1,130.00	\$548,050.00	\$1,100.00	\$533,500.00	\$1,008.00	\$488,880.00
0032	STORM SEWER, PREMANUFACTURED BEND, 60"	8 EA	\$6,500.00	\$52,000.00	\$3,500.00	\$28,000.00	\$3,800.00	\$30,400.00	\$6,440.00	\$51,520.00
0033	STORM SEWER, PREMANUFACTURED BEND, 72"	14 EA	\$7,500.00	\$105,000.00	\$6,000.00	\$84,000.00	\$4,100.00	\$57,400.00	\$7,840.00	\$109,760.00
0034	STORM SEWER, PREMANUFACTURED BEND, 6'X4' RCBC	11 EA	\$8,000.00	\$88,000.00	\$9,000.00	\$99,000.00	\$8,700.00	\$95,700.00	\$9,100.00	\$100,100.00
0035	STORM SEWER, TRENCHLESS, 48"	373 LF	\$1,500.00	\$559,500.00	\$1,200.00	\$447,600.00	\$1,200.00	\$447,600.00	\$1,193.00	\$444,989.00
0036	STORM SEWER COLLAR	2 EA	\$4,500.00	\$9,000.00	\$7,500.00	\$15,000.00	\$3,150.00	\$6,300.00	\$3,500.00	\$7,000.00
0037	REMOVAL OF STORM SEWER < 30" DIA	1205 LF	\$35.00	\$42,175.00	\$50.00	\$60,250.00	\$50.00	\$60,250.00	\$56.00	\$67,480.00
0038	STORM SEWER ABANDONMENT, FILL AND PLUG	634 CY	\$200.00	\$126,800.00	\$250.00	\$158,500.00	\$335.00	\$212,390.00	\$238.00	\$150,892.00
0039	PIPE APRON, RCP, 18"	3 EA	\$2,200.00	\$6,600.00	\$1,500.00	\$4,500.00	\$1,700.00	\$5,100.00	\$3,395.00	\$10,185.00
0040	PIPE APRON, RCP, 24"	1 EA	\$1,500.00	\$1,500.00	\$1,650.00	\$1,650.00	\$2,800.00	\$2,800.00	\$3,780.00	\$3,780.00
0041	PIPE APRON, RCP, 30"	2 EA	\$2,200.00	\$4,400.00	\$1,700.00	\$3,400.00	\$4,000.00	\$8,000.00	\$4,088.00	\$8,176.00
0042	PIPE APRON, RCP, 36"	2 EA	\$3,500.00	\$7,000.00	\$2,750.00	\$5,500.00	\$3,900.00	\$7,800.00	\$4,970.00	\$9,940.00
0043	PIPE APRON, RCP, 48"	1 EA	\$4,500.00	\$4,500.00	\$5,000.00	\$5,000.00	\$5,100.00	\$5,100.00	\$6,405.00	\$6,405.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0044	PIPE APRON, RCP, 72"	1 EA	\$9,000.00	\$9,000.00	\$35,000.00	\$35,000.00	\$7,800.00	\$7,800.00	\$9,870.00	\$9,870.00
0045	FOOTING FOR CONCRETE PIPE APRON, 18"	3 EA	\$1,000.00	\$3,000.00	\$1,850.00	\$5,550.00	\$950.00	\$2,850.00	\$1,400.00	\$4,200.00
0046	FOOTING FOR CONCRETE PIPE APRON, 24"	1 EA	\$2,500.00	\$2,500.00	\$2,000.00	\$2,000.00	\$1,200.00	\$1,200.00	\$1,540.00	\$1,540.00
0047	FOOTING FOR CONCRETE PIPE APRON, 36"	2 EA	\$2,501.00	\$5,002.00	\$2,500.00	\$5,000.00	\$1,400.00	\$2,800.00	\$1,820.00	\$3,640.00
0048	FOOTING FOR CONCRETE PIPE APRON, 48"	1 EA	\$4,000.00	\$4,000.00	\$3,500.00	\$3,500.00	\$1,800.00	\$1,800.00	\$2,380.00	\$2,380.00
0049	FOOTING FOR CONCRETE PIPE APRON, 72"	1 EA	\$8,000.00	\$8,000.00	\$20,000.00	\$20,000.00	\$2,700.00	\$2,700.00	\$3,115.00	\$3,115.00
0050	PIPE APRON GUARD, 30"	2 EA	\$1,500.00	\$3,000.00	\$1,750.00	\$3,500.00	\$1,100.00	\$2,200.00	\$2,450.00	\$4,900.00
0051	PIPE APRON GUARD, 36"	2 EA	\$1,750.00	\$3,500.00	\$2,000.00	\$4,000.00	\$1,600.00	\$3,200.00	\$2,800.00	\$5,600.00
0052	PIPE COLLAR, SW-211, PC-2	2 EA	\$3,500.00	\$7,000.00	\$7,500.00	\$15,000.00	\$3,700.00	\$7,400.00	\$10,150.00	\$20,300.00
0053	SUBDRAIN, 8"	103 LF	\$30.00	\$3,090.00	\$100.00	\$10,300.00	\$45.00	\$4,635.00	\$49.00	\$5,047.00
0054	SUBDRAIN OUTLETS AND CONNECTIONS, CMP, 6"	14 EA	\$500.00	\$7,000.00	\$2,000.00	\$28,000.00	\$615.00	\$8,610.00	\$1,890.00	\$26,460.00
0055	NEW WATER SERVICE	13 EA	\$3,500.00	\$45,500.00	\$1,500.00	\$19,500.00	\$6,900.00	\$89,700.00	\$3,360.00	\$43,680.00
0056	ADJUST STOP BOX TO NEW GRADE	20 EA	\$350.00	\$7,000.00	\$650.00	\$13,000.00	\$700.00	\$14,000.00	\$1,015.00	\$20,300.00
0057	MANHOLE, SW-301 (48")	5 EA	\$6,500.00	\$32,500.00	\$7,000.00	\$35,000.00	\$6,800.00	\$34,000.00	\$9,205.00	\$46,025.00
0058	MANHOLE, SW-303 (48")	10 EA	\$7,500.00	\$75,000.00	\$6,200.00	\$62,000.00	\$14,000.00	\$140,000.00	\$8,295.00	\$82,950.00
0059	MANHOLE, SW-303 (60")	1 EA	\$7,500.00	\$7,500.00	\$10,000.00	\$10,000.00	\$26,000.00	\$26,000.00	\$15,820.00	\$15,820.00
0060	MANHOLE, SW-401, 48"	4 EA	\$6,499.00	\$25,996.00	\$6,000.00	\$24,000.00	\$7,000.00	\$28,000.00	\$6,510.00	\$26,040.00
0061	MANHOLE, SW-401, 96"	2 EA	\$13,000.00	\$26,000.00	\$15,000.00	\$30,000.00	\$21,000.00	\$42,000.00	\$17,360.00	\$34,720.00
0062	MANHOLE, SW-402, 6'X6'	1 EA	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00	\$13,000.00	\$13,000.00	\$20,720.00	\$20,720.00
0063	MANHOLE, SW-403, 8'X4'	1 EA	\$25,000.00	\$25,000.00	\$50,000.00	\$50,000.00	\$27,450.00	\$27,450.00	\$20,860.00	\$20,860.00
0064	MANHOLE, SW-403, 9'X4'	2 EA	\$20,000.00	\$40,000.00	\$85,000.00	\$170,000.00	\$27,750.00	\$55,500.00	\$21,140.00	\$42,280.00
0065	MANHOLE, SW-403, 9'X6'	2 EA	\$20,000.00	\$40,000.00	\$100,000.00	\$200,000.00	\$30,500.00	\$61,000.00	\$21,560.00	\$43,120.00
0066	MANHOLE, SW-405, 48" ON 60"	2 EA	\$8,000.00	\$16,000.00	\$10,750.00	\$21,500.00	\$10,000.00	\$20,000.00	\$7,420.00	\$14,840.00
0067	MANHOLE, SW-405, 48" ON 72"	3 EA	\$9,000.00	\$27,000.00	\$11,000.00	\$33,000.00	\$10,000.00	\$30,000.00	\$9,030.00	\$27,090.00
0068	MANHOLE, SW-401M, 48" ON RCB	3 EA	\$4,500.00	\$13,500.00	\$5,000.00	\$15,000.00	\$8,500.00	\$25,500.00	\$4,680.00	\$14,070.00
0069	INTAKE, SW-501	2 EA	\$7,500.00	\$15,000.00	\$15,000.00	\$30,000.00	\$7,050.00	\$14,100.00	\$13,300.00	\$26,600.00
0070	INTAKE, SW-505	4 EA	\$11,000.00	\$44,000.00	\$17,750.00	\$71,000.00	\$11,150.00	\$44,600.00	\$14,630.00	\$58,520.00
0071	INTAKE, SW-507	10 EA	\$7,000.00	\$70,000.00	\$18,750.00	\$187,500.00	\$12,000.00	\$120,000.00	\$17,920.00	\$179,200.00
0072	INTAKE, SW-508	1 EA	\$8,500.00	\$8,500.00	\$19,500.00	\$19,500.00	\$13,300.00	\$13,300.00	\$26,320.00	\$26,320.00
0073	INTAKE, SW-508M	1 EA	\$9,500.00	\$9,500.00	\$23,500.00	\$23,500.00	\$18,250.00	\$18,250.00	\$41,020.00	\$41,020.00
0074	INTAKE, SW-509	12 EA	\$7,500.00	\$90,000.00	\$22,500.00	\$270,000.00	\$16,400.00	\$196,800.00	\$19,600.00	\$235,200.00
0075	INTAKE, SW-512, 24"	1 EA	\$3,500.00	\$3,500.00	\$10,500.00	\$10,500.00	\$5,300.00	\$5,300.00	\$5,040.00	\$5,040.00
0076	INTAKE, SW-513, (4'X4')	1 EA	\$8,000.00	\$8,000.00	\$17,750.00	\$17,750.00	\$11,250.00	\$11,250.00	\$13,720.00	\$13,720.00
0077	S-03 CUSTOM STRUCTURE	1 EA	\$20,000.00	\$20,000.00	\$90,000.00	\$90,000.00	\$36,000.00	\$36,000.00	\$53,900.00	\$53,900.00
0078	S-04 CUSTOM STRUCTURE	1 EA	\$20,000.00	\$20,000.00	\$100,000.00	\$100,000.00	\$36,000.00	\$36,000.00	\$53,900.00	\$53,900.00
0079	S-12 CUSTOM STRUCTURE	1 EA	\$20,000.00	\$20,000.00	\$100,000.00	\$100,000.00	\$54,000.00	\$54,000.00	\$69,300.00	\$69,300.00
0080	S-15 CUSTOM STRUCTURE	1 EA	\$80,000.00	\$80,000.00	\$110,000.00	\$110,000.00	\$90,000.00	\$90,000.00	\$99,400.00	\$99,400.00
0081	S-64 CUSTOM STRUCTURE	1 EA	\$80,000.00	\$80,000.00	\$110,000.00	\$110,000.00	\$90,000.00	\$90,000.00	\$99,400.00	\$99,400.00
0082	MANHOLE ADJUSTMENT, MINOR	5 EA	\$750.00	\$3,750.00	\$2,500.00	\$12,500.00	\$2,300.00	\$11,500.00	\$3,500.00	\$17,500.00
0083	REMOVAL OF APRON, PCC, 15"	1 EA	\$1,500.00	\$1,500.00	\$550.00	\$550.00	\$2,000.00	\$2,000.00	\$700.00	\$700.00
0084	PCC BOXOUT	2 EA	\$1,500.00	\$3,000.00	\$3,000.00	\$6,000.00	\$1,200.00	\$2,400.00	\$5,600.00	\$11,200.00
0085	CONNECTION TO EXISTING INTAKE	1 EA	\$2,500.00	\$2,500.00	\$2,400.00	\$2,400.00	\$6,400.00	\$6,400.00	\$4,900.00	\$4,900.00
0086	REMOVE MANHOLE	7 EA	\$1,500.00	\$10,500.00	\$1,900.00	\$13,300.00	\$2,000.00	\$14,000.00	\$2,100.00	\$14,700.00
0087	REMOVE INTAKE	23 EA	\$1,500.00	\$34,500.00	\$2,000.00	\$46,000.00	\$1,500.00	\$34,500.00	\$700.00	\$16,100.00
0088	PAVEMENT, PCC, 6"	1255 SY	\$65.00	\$81,575.00	\$68.00	\$85,340.00	\$75.00	\$94,125.00	\$72.00	\$90,360.00
0089	PAVEMENT, PCC, 6", REINFORCED	5160 SY	\$68.00	\$350,880.00	\$76.50	\$394,740.00	\$85.00	\$438,600.00	\$84.00	\$433,440.00
0090	CURB AND GUTTER, 2', 6"	46 LF	\$50.00	\$2,300.00	\$50.00	\$2,300.00	\$80.00	\$3,680.00	\$30.00	\$1,380.00
0091	CURB AND GUTTER, 2.5', 6"	1366 LF	\$55.00	\$75,130.00	\$30.00	\$40,980.00	\$35.00	\$47,810.00	\$30.00	\$40,980.00
0092	HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28H	186 TON	\$125.00	\$23,250.00	\$125.00	\$23,250.00	\$128.00	\$23,808.00	\$143.00	\$26,598.00
0093	HMA STANDARD TRAFFIC (ST) BASE, 3/4", PG 58-28S	370 TON	\$110.00	\$40,700.00	\$110.00	\$40,700.00	\$125.00	\$46,250.00	\$130.00	\$48,100.00
0094	REMOVAL OF SIDEWALK	1325 SY	\$15.00	\$19,875.00	\$25.00	\$33,125.00	\$10.00	\$13,250.00	\$21.00	\$27,825.00
0095	REMOVAL OF DRIVEWAY	1153 SY	\$15.00	\$17,295.00	\$45.00	\$51,885.00	\$12.00	\$13,836.00	\$21.00	\$24,213.00
0096	SIDEWALK, PCC, 4"	1483 SY	\$63.00	\$93,429.00	\$50.00	\$74,150.00	\$75.00	\$111,225.00	\$70.00	\$103,810.00
0097	SIDEWALK, PCC, 6"	1475 SY	\$75.00	\$110,625.00	\$80.00	\$118,000.00	\$85.00	\$125,375.00	\$105.00	\$154,875.00
0098	DETECTABLE WARNINGS	422 SF	\$55.00	\$23,210.00	\$51.00	\$21,522.00	\$60.00	\$25,320.00	\$70.00	\$29,540.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0099	DRIVEWAY, PAVED, PCC, 6"	1025 SY	\$65.00	\$66,625.00	\$85.00	\$87,125.00	\$85.00	\$87,125.00	\$112.00	\$114,800.00
0100	DRIVEWAY, GRANULAR	500 TON	\$40.00	\$20,000.00	\$45.00	\$22,500.00	\$40.00	\$20,000.00	\$49.00	\$24,500.00
0101	PAVEMENT REMOVAL	8260 SY	\$17.00	\$140,420.00	\$7.50	\$61,950.00	\$12.00	\$99,120.00	\$28.00	\$231,280.00
0102	ENGINEERING FABRIC	1000 SY	\$5.00	\$5,000.00	\$4.00	\$4,000.00	\$5.00	\$5,000.00	\$6.00	\$6,000.00
0103	TEMPORARY TRAFFIC CONTROL	1 LS	\$40,000.00	\$40,000.00	\$25,000.00	\$25,000.00	\$100,000.00	\$100,000.00	\$50,400.00	\$50,400.00
0104	REPLACE STREET SIGNS	11 EA	\$250.00	\$2,750.00	\$410.00	\$4,510.00	\$400.00	\$4,400.00	\$700.00	\$7,700.00
0105	HYDRAULIC SEEDING, TYPE A (LAWN)	2.1 AC	\$5,000.00	\$10,500.00	\$3,600.00	\$7,560.00	\$4,850.00	\$10,185.00	\$4,200.00	\$8,820.00
0106	HYDRAULIC SEEDING, TYPE B (SLOPE SEED MIX)	3.2 AC	\$5,000.00	\$16,000.00	\$3,250.00	\$10,400.00	\$4,500.00	\$14,400.00	\$3,840.00	\$12,288.00
0107	HYDRAULIC SEEDING, TYPE C (SEMI WET BASIN MIX)	1.5 AC	\$5,000.00	\$7,500.00	\$4,000.00	\$6,000.00	\$5,000.00	\$7,500.00	\$4,656.00	\$6,984.00
0108	WARRANTY	1 LS	\$5,000.00	\$5,000.00	\$4,100.00	\$4,100.00	\$4,000.00	\$4,000.00	\$4,800.00	\$4,800.00
0109	SOD	2350 SQ	\$110.00	\$258,500.00	\$75.00	\$176,250.00	\$68.50	\$160,975.00	\$90.00	\$211,500.00
0110	STORM WATER POLLUTION PREVENTION	1 LS	\$15,000.00	\$15,000.00	\$6,500.00	\$6,500.00	\$15,000.00	\$15,000.00	\$7,200.00	\$7,200.00
0111	PLANTS WITH WARRANTY	1 LS	\$20,000.00	\$20,000.00	\$17,000.00	\$17,000.00	\$15,000.00	\$15,000.00	\$19,200.00	\$19,200.00
0112	FILTER SOCK, 12"	2700 LF	\$3.00	\$8,100.00	\$2.60	\$7,020.00	\$2.00	\$5,400.00	\$3.00	\$8,100.00
0113	FILTER SOCK, REMOVAL	2700 LF	\$1.00	\$2,700.00	\$0.25	\$675.00	\$0.30	\$810.00	\$0.50	\$1,350.00
0114	TEMPORARY RECP, TYPE 1A	12447 SY	\$3.00	\$37,341.00	\$1.40	\$17,425.80	\$1.62	\$20,164.14	\$1.50	\$18,670.50
0115	TEMPORARY RECP, TYPE 2C	9425 SY	\$3.00	\$28,275.00	\$1.40	\$13,195.00	\$3.00	\$28,275.00	\$1.50	\$14,137.50
0116	RIP RAP, CLASS E	1592 TON	\$55.00	\$87,560.00	\$80.00	\$127,360.00	\$85.00	\$135,320.00	\$78.00	\$124,176.00
0117	FLEXAMAT	18500 SF	\$7.50	\$138,750.00	\$9.00	\$166,500.00	\$7.75	\$143,375.00	\$12.00	\$222,000.00
0118	SILT FENCE	250 LF	\$3.00	\$750.00	\$3.50	\$875.00	\$3.00	\$750.00	\$4.00	\$1,000.00
0119	SILT FENCE, REMOVAL OF DEVICE	250 LF	\$1.00	\$250.00	\$1.00	\$250.00	\$0.50	\$125.00	\$1.50	\$375.00
0120	STABILIZED CONSTRUCTION ENTRANCE	500 TON	\$55.00	\$27,500.00	\$50.00	\$25,000.00	\$40.00	\$20,000.00	\$42.00	\$21,000.00
0121	EROSION CONTROL MULCHING, HYDROMULCHING	2.5 AC	\$3,000.00	\$7,500.00	\$2,250.00	\$5,625.00	\$2,400.00	\$6,000.00	\$2,640.00	\$6,600.00
0122	INLET PROTECTION DEVICE	120 EA	\$250.00	\$30,000.00	\$175.00	\$21,000.00	\$75.00	\$9,000.00	\$198.00	\$23,760.00
0123	INLET PROTECTION DEVICE MAINTENANCE	120 EA	\$10.00	\$1,200.00	\$20.00	\$2,400.00	\$10.00	\$1,200.00	\$24.00	\$2,880.00
0124	CHAIN LINK FENCE, 48", BLACK VINYL COATED	56 LF	\$22.00	\$1,232.00	\$60.00	\$3,360.00	\$38.00	\$2,128.00	\$56.00	\$3,136.00
0125	CHAIN LINK FENCE, 48"	1414 LF	\$20.00	\$28,280.00	\$27.00	\$38,178.00	\$27.50	\$38,885.00	\$42.00	\$59,388.00
0126	CHAIN LINK FENCE, 72"	176 LF	\$30.00	\$5,280.00	\$35.00	\$6,160.00	\$40.75	\$7,172.00	\$63.00	\$11,088.00
0127	WOOD FENCE, 72"	415 LF	\$32.00	\$13,280.00	\$55.00	\$22,825.00	\$46.25	\$19,193.75	\$70.00	\$29,050.00
0128	GATES, CHAINLINK, 48"	1 EA	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$600.00	\$600.00	\$840.00	\$840.00
0129	REMOVAL OF FENCE	1650 LF	\$6.00	\$9,900.00	\$8.00	\$13,200.00	\$1.58	\$2,607.00	\$7.00	\$11,550.00
0130	TEMPORARY FENCE, CHAIN LINK SECURITY FENCE, 72"	1080 LF	\$10.00	\$10,800.00	\$12.00	\$12,960.00	\$7.75	\$8,370.00	\$14.00	\$15,120.00
0131	MODULAR BLOCK RETAINING WALL	203 SF	\$50.00	\$10,150.00	\$75.00	\$15,225.00	\$38.75	\$7,866.25	\$60.00	\$12,180.00
0132	COMBINED CONCRETE SIDEWALK AND RETAINING WALL	10 CY	\$1,000.00	\$10,000.00	\$1,825.00	\$18,250.00	\$1,500.00	\$15,000.00	\$1,980.00	\$19,800.00
0133	REMOVE SHED	1 EA	\$1,500.00	\$1,500.00	\$5,000.00	\$5,000.00	\$500.00	\$500.00	\$3,500.00	\$3,500.00
0134	MOBILIZATION	1 LS	\$600,395.00	\$600,395.00	\$501,979.20	\$501,979.20	\$930,000.00	\$930,000.00	\$1,066,500.00	\$1,066,500.00
0135	PRECONSTRUCTION CRACK AND DAMAGE SURVEY	1 LS	\$20,000.00	\$20,000.00	\$100,000.00	\$100,000.00	\$30,000.00	\$30,000.00	\$28,000.00	\$28,000.00
0136	RELOCATE AND REPLACE BACKYARD ITEMS	1 LS	\$4,500.00	\$4,500.00	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00	\$7,000.00	\$7,000.00
0137	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	14 DAY	\$175.00	\$2,450.00	\$150.00	\$2,100.00	\$125.00	\$1,750.00	\$490.00	\$6,860.00
0138	POTHOLING	25 EA	\$1,100.00	\$27,500.00	\$1,250.00	\$31,250.00	\$608.00	\$15,200.00	\$4,200.00	\$105,000.00
0139	SAWCUTTING DUST AND SLURRY MANAGEMENT	1 LS	\$5,000.00	\$5,000.00	\$100.00	\$100.00	\$20,000.00	\$20,000.00	\$8,400.00	\$8,400.00
0140	MAINTENANCE OF POSTAL SERVICE	1 LS	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00	\$7,500.00	\$7,500.00	\$14,000.00	\$14,000.00
0141	MAINTENANCE OF SOLID WASTE COLLECTION	1 LS	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00	\$9,100.00	\$9,100.00
DIVISION 2: DES MOINES WATER WORKS										
0200	6" CL 52 DIP, STAB JOINT, TRENCHED	190 LF	\$200.00	\$38,000.00	\$160.00	\$30,400.00	\$170.00	\$32,300.00	\$224.00	\$42,560.00
0201	8" CL 52 DIP, RESTRAINED JOINT, TRENCHED	330 LF	\$200.00	\$66,000.00	\$405.00	\$133,650.00	\$195.00	\$64,350.00	\$238.00	\$78,540.00
0202	8" C900 DR18 PVC, RESTRAINED JOINT, TRENCHED	607 LF	\$100.00	\$60,700.00	\$300.00	\$182,100.00	\$160.00	\$97,120.00	\$154.00	\$93,478.00
0203	8" C900 DR18 PVC, STAB JOINT, TRENCHED	460 LF	\$100.00	\$46,000.00	\$150.00	\$69,000.00	\$165.00	\$75,900.00	\$154.00	\$70,840.00
0204	FITTING BY WEIGHT, DUCTILE IRON	4034 LBS	\$10.00	\$40,340.00	\$20.00	\$80,680.00	\$22.00	\$88,748.00	\$21.00	\$84,714.00
0205	8" VALVE	9 EA	\$2,800.00	\$25,200.00	\$3,125.00	\$28,125.00	\$3,100.00	\$27,900.00	\$4,305.00	\$38,745.00
0206	REMOVE EXISTING HYDRANT ASSEMBLY	3 EA	\$2,600.00	\$7,800.00	\$1,175.00	\$3,525.00	\$2,000.00	\$6,000.00	\$2,800.00	\$8,400.00
0207	NEW 6" HYDRANT ASSEMBLY	4 EA	\$10,000.00	\$40,000.00	\$8,500.00	\$34,000.00	\$10,500.00	\$42,000.00	\$11,445.00	\$45,780.00
0208	MAGNESIUM ANODE, 32-LB	6 EA	\$1,000.00	\$6,000.00	\$500.00	\$3,000.00	\$3,000.00	\$18,000.00	\$1,540.00	\$9,240.00
0209	REMOVAL OF EXISTING WATER MAIN	150 LF	\$20.00	\$3,000.00	\$30.00	\$4,500.00	\$50.00	\$7,500.00	\$28.00	\$4,200.00

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>
0210	FOUNDATION ROCK	100	TON	\$35.00	\$3,500.00	\$60.00	\$6,000.00	\$50.00	\$5,000.00	\$63.00	\$6,300.00			
0211	1" WATER SERVICE TRANSFER	13	EA	\$2,500.00	\$32,500.00	\$3,500.00	\$45,500.00	\$4,800.00	\$62,400.00	\$6,475.00	\$84,175.00			
0212	16" CASING PIPE	40	LF	\$200.00	\$8,000.00	\$700.00	\$28,000.00	\$400.00	\$16,000.00	\$483.00	\$19,320.00			
0213	ABANDONMENT OF EXISTING WATER MAIN	1	LS	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$15,500.00	\$15,500.00	\$4,900.00	\$4,900.00			
0214	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE	3	EA	\$4,000.00	\$12,000.00	\$5,000.00	\$15,000.00	\$4,900.00	\$14,700.00	\$6,300.00	\$18,900.00			
TOTAL CONSTRUCTION COST					\$8,409,040.00		\$10,098,765.00		\$10,262,060.14		\$10,577,610.00			
PERCENT OF ENGINEER'S ESTIMATE							+20.09%		+22.04%		+25.79%			