

DATE December 16, 2019

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON S.E. 9TH STREET STORM WATER PUMP STATION AND IMPROVEMENTS; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS WOODRUFF CONSTRUCTION, LLC, DONALD A. WOODRUFF, PRESIDENT, \$8,186,736.62

WHEREAS, on November 4, 2019, under Roll Call No. 19-1695, 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:

S.E. 9th Street Storm Water Pump Station and Improvements, 08-2017-006

The improvement includes construction of a two-pump storm water pump station including the installation of pumps, mechanical bar screens, electrical and controls building, standby power generator, modification of existing gatewell structure, 12-inch to 78-inch diameter Reinforced Concrete Pipe (RCP) storm sewer, Portland Cement Concrete (PCC) pavement, PCC sidewalk, earthwork, landscaping, Hot Mix Asphalt (HMA) trail, and miscellaneous associated work including cleanup, erosion control, and seeding of disturbed areas and other incidental items; all in accordance with the contract documents, including Plan File Nos. 612-102/195, with improvements located at 1030 S.E. 9th Street, 505 S.E. 10th Street and along the Maury Street from S.E. 10th Street to S.E. 11th Street in 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.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the hearing on the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement be closed; and that said plans, specifications, form of contract documents, and Engineer's estimate of construction cost are hereby approved as the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement.

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

- |                            |                |
|----------------------------|----------------|
| Woodruff Construction, LLC | Fort Dodge, IA |
| S. M. Hentges & Sons Inc.  | Jordan, MN     |
| Synergy Contracting, LLC   | Bondurant, 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 December 3, 2019. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

★ **Roll Call Number**

**Agenda Item Number**

67

DATE December 16, 2019

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 Woodruff Construction, LLC, Donald A. Woodruff, President, 1890 Kountry Lane, Fort Dodge, IA, 50501 in the amount of \$8,186,736.62, 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.

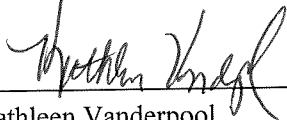
BE IT FURTHER RESOLVED: That the Engineer is hereby directed to secure execution by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the Engineer is directed to thereafter present said contract documents to this Council 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.

(City Council Communication Number 19-550 attached.)

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

FORM APPROVED:



Kathleen Vanderpool  
Deputy City Attorney

FUNDS AVAILABLE

Robert L. Fagen  
Des Moines Finance Director

**SLN** Funding Source: 2019-2020 CIP, Page Storm – 6, Flood Mitigation Improvements, SM087, Being: Storm Water \$1,281,340.90 in Storm Water Bonds and the pump station costs of \$6,905,395.72 in State Sales Tax Increment funds

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
BOESEN				
COLEMAN				
GATTO				
GRAY				
MANDELBAUM				
WESTERGAARD				
TOTAL				

MOTION CARRIED

APPROVED

\_\_\_\_\_  
Mayor

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.

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

TABULATED BY: C. Bouska APPROVED BY: *R. De Groot*  
CHECKED BY: *Bratt Leary*

**CONTRACTOR'S BID TABULATION**  
PROJECT: S.E. 9TH STREET STORM WATER PUMP STATION AND IMPROVEMENTS

ESTIMATE

		Woodruff Construction LLC Ft. Dodge, IA		S.M. Hentges & Sons, Inc. Jordan, MN		Synergy Contracting Bondurant, IA				
		BID SECURITY 10% Bid Bond		BID SECURITY 10% Bid Bond		BID SECURITY 10% Bid Bond				
		BID PRICE		BID PRICE		BID PRICE				
ITEM	DESCRIPTION	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT			
1	SE 9TH ST. STORM WATER PUMP STATION-WETWELL	1 LS	\$2,800,000.00	\$2,800,000.00	\$2,835,474.00	\$2,835,474.00	\$3,125,000.00	\$3,125,000.00	\$3,685,000.00	\$3,685,000.00
2	SE 9TH ST. STORM WATER PUMP STATION-CONTROL BUILDING	1 LS	\$350,000.00	\$350,000.00	\$166,199.00	\$166,199.00	\$375,000.00	\$375,000.00	\$352,000.00	\$352,000.00
3	SE 9TH ST. STORM WATER PUMP STATION-ELECTRICAL, GENERATOR, AND CONTROLS	1 LS	\$750,000.00	\$750,000.00	\$905,985.00	\$905,985.00	\$700,000.00	\$700,000.00	\$660,000.00	\$660,000.00
4	GATEWELL 325B IMPROVEMENTS	1 LS	\$80,000.00	\$80,000.00	\$82,005.00	\$82,005.00	\$110,000.00	\$110,000.00	\$140,000.00	\$140,000.00
5	CONCRETE HEADWALL, DES MOINES RIVER	1 LS	\$230,000.00	\$230,000.00	\$172,391.00	\$172,391.00	\$300,000.00	\$300,000.00	\$210,000.00	\$210,000.00
6	STEEL SHEET PILING	1180 SF	\$55.00	\$64,900.00	\$82.76	\$97,656.80	\$42.00	\$49,560.00	\$56.00	\$66,080.00
7	48" PCCP WATER MAIN PROTECTION SYSTEM	1 LS	\$125,000.00	\$125,000.00	\$395,350.00	\$395,350.00	\$146,850.00	\$146,850.00	\$150,000.00	\$150,000.00
8	CLEARING & GRUBBING (TREE TRIMMING)	50 UNIT	\$350.00	\$17,500.00	\$305.74	\$15,287.00	\$430.00	\$21,500.00	\$280.00	\$14,000.00
9	CLEARING & GRUBBING	1 LS	\$30,000.00	\$30,000.00	\$21,085.00	\$21,085.00	\$16,000.00	\$16,000.00	\$32,200.00	\$32,200.00
10	TOPSOIL, ON-SITE, STRIP, SALVAGE & SPREAD	2900 CY	\$20.00	\$58,000.00	\$21.09	\$61,161.00	\$12.00	\$34,800.00	\$21.00	\$60,900.00
11	EXCAVATION & GRADING, CLASS 10 (IMPERVIOUS LEVEE FILL)	1885 CY	\$20.00	\$37,700.00	\$26.36	\$49,688.60	\$24.50	\$46,182.50	\$35.00	\$65,975.00
12	EXCAVATION & GRADING, CLASS 10 (PERVIOUS LEVEE FILL)	1756 CY	\$20.00	\$35,120.00	\$15.81	\$27,762.36	\$23.50	\$41,266.00	\$28.00	\$49,168.00
13	EXCAVATION & GRADING, CLASS 10 (FILL)	2510 CY	\$30.00	\$75,300.00	\$15.81	\$39,683.10	\$20.50	\$51,455.00	\$21.00	\$52,710.00
14	EXCAVATION & GRADING, CLASS 10 (BORROW)	9163 CY	\$22.00	\$201,586.00	\$23.15	\$212,123.45	\$19.50	\$178,678.50	\$28.00	\$256,564.00
15	MODIFIED SUBBASE, 4" DEPTH	609 SY	\$15.00	\$9,135.00	\$21.09	\$12,843.81	\$9.00	\$5,481.00	\$28.00	\$17,052.00
16	MODIFIED SUBBASE, 6" DEPTH	985 SY	\$25.00	\$24,625.00	\$26.36	\$25,964.60	\$13.50	\$13,297.50	\$35.00	\$34,475.00
17	SANITARY SEWER, PVC SDR26, 8"	42 LF	\$80.00	\$3,360.00	\$158.14	\$6,641.88	\$111.00	\$4,662.00	\$294.00	\$12,348.00
18	SANITARY SEWER, DIP CL52, 8"	40 LF	\$120.00	\$4,800.00	\$358.45	\$14,338.00	\$112.00	\$4,480.00	\$434.00	\$17,360.00
19	SANITARY SEWER SERVICE RELOCATION	3 EACH	\$9,000.00	\$27,000.00	\$8,434.00	\$25,302.00	\$5,000.00	\$15,000.00	\$7,000.00	\$21,000.00
20	REMOVE SANITARY SEWER BOX, 5' X 6' CONCRETE	16 LF	\$300.00	\$4,800.00	\$622.00	\$9,952.00	\$700.00	\$11,200.00	\$700.00	\$11,200.00
21	REMOVE SANITARY SEWER, 8"	74 LF	\$25.00	\$1,850.00	\$56.41	\$4,174.34	\$260.00	\$19,240.00	\$140.00	\$10,360.00
22	STORM SEWER GRAVITY, TRENCHED, RCP, CL III, 12"	24 LF	\$180.00	\$4,320.00	\$162.38	\$3,897.12	\$106.00	\$2,544.00	\$189.00	\$4,536.00
23	STORM SEWER GRAVITY, TRENCHED, RCP, CL IV, 24"	62 LF	\$200.00	\$12,400.00	\$193.98	\$12,026.76	\$98.00	\$6,076.00	\$224.00	\$13,888.00
24	STORM SEWER GRAVITY, TRENCHED, RCP, CL III, 30"	325 LF	\$275.00	\$89,375.00	\$289.96	\$94,237.00	\$109.00	\$35,425.00	\$340.20	\$110,565.00
25	STORM SEWER GRAVITY, TRENCHED, RCP, CL III, 42"	50 LF	\$400.00	\$20,000.00	\$434.36	\$21,718.00	\$188.00	\$9,400.00	\$525.00	\$25,250.00
26	STORM SEWER GRAVITY, TRENCHED, RCP, CL III, 78"	204 LF	\$1,100.00	\$224,400.00	\$1,132.44	\$231,017.76	\$809.00	\$165,036.00	\$1,211.00	\$247,044.00
27	STORM SEWER FORCEMAIN, TRENCHED, DIP, CL 52, 36"	576 LF	\$425.00	\$244,800.00	\$643.10	\$370,425.60	\$726.00	\$418,176.00	\$924.00	\$532,224.00
28	REMOVE STORM SEWER, 78" RCP	32 LF	\$200.00	\$6,400.00	\$221.41	\$7,085.12	\$1,739.00	\$55,648.00	\$280.00	\$8,960.00
29	ABANDON STORM SEWER PIPE WITH FLOWABLE MORTAR CONCRETE	45 CY	\$80.00	\$3,600.00	\$247.76	\$11,149.20	\$331.00	\$14,895.00	\$560.00	\$25,200.00
30	STORM SEWER PIPE APRON, 12 IN RCP, WITH APRON FOOTING & GUARD	1 EACH	\$4,000.00	\$4,000.00	\$1,687.00	\$1,687.00	\$2,100.00	\$2,100.00	\$4,200.00	\$4,200.00
31	STORM SEWER PIPE APRON, 42 IN RCP, WITH APRON FOOTING & GUARD	1 EACH	\$6,750.00	\$6,750.00	\$3,954.00	\$3,954.00	\$3,350.00	\$3,350.00	\$10,500.00	\$10,500.00
32	SUBDRAIN, PVC, TYPE 2 PERFORATED, 4 IN. DIA.	130 LF	\$25.00	\$3,250.00	\$52.72	\$6,853.60	\$35.00	\$4,550.00	\$91.00	\$11,830.00
33	SUBDRAIN, PVC, TYPE 2 NON-PERFORATED, 4 IN. DIA.	139 LF	\$25.00	\$3,475.00	\$52.71	\$7,326.69	\$34.00	\$4,726.00	\$91.00	\$12,649.00
34	SUBDRAIN, PVC, TYPE 2 CLEANOUT, 4 IN. DIA.	9 EACH	\$350.00	\$3,150.00	\$948.89	\$8,540.01	\$600.00	\$5,400.00	\$1,680.00	\$15,120.00
35	MANHOLE, SANITARY SEWER, SW-301, 48" DIA	1 EACH	\$5,000.00	\$5,000.00	\$4,270.00	\$4,270.00	\$4,435.00	\$4,435.00	\$7,700.00	\$7,700.00
36	MANHOLE, SANITARY SEWER, SW-303, 48" DIA	2 EACH	\$6,000.00	\$12,000.00	\$7,975.50	\$15,951.00	\$4,435.00	\$8,870.00	\$9,800.00	\$19,600.00
37	MANHOLE ST-1, STORM SEWER, SW-404, 11' X 11' WITH 48" RISER	1 EACH	\$55,000.00	\$55,000.00	\$126,548.00	\$126,548.00	\$182,500.00	\$182,500.00	\$93,830.00	\$93,830.00
38	MANHOLE ST-2, STORM SEWER, SW-404, 11' X 11'	1 EACH	\$115,000.00	\$115,000.00	\$118,224.00	\$118,224.00	\$230,000.00	\$230,000.00	\$228,030.00	\$228,030.00
39	MANHOLE ST-3, STORM SEWER, CUSTOM, 156" X 72 "	1 EACH	\$30,000.00	\$30,000.00	\$35,126.00	\$35,126.00	\$86,000.00	\$86,000.00	\$70,420.00	\$70,420.00
40	MANHOLE ST-4, STORM SEWER, SW-403, 108" X 60"	1 EACH	\$20,000.00	\$20,000.00	\$32,037.00	\$32,037.00	\$106,500.00	\$106,500.00	\$42,420.00	\$42,420.00
41	MANHOLE ST-5, STORM SEWER, SW-401, 72"	1 EACH	\$25,000.00	\$25,000.00	\$13,705.00	\$13,705.00	\$8,550.00	\$8,550.00	\$15,400.00	\$15,400.00
42	INTAKE, SW-604, 36" DIA., SW-604 TYPE 4D CASTING	1 EACH	\$15,000.00	\$15,000.00	\$6,853.00	\$6,853.00	\$5,850.00	\$5,850.00	\$7,700.00	\$7,700.00
43	COLLAR, STORM CONNECTION TO EXISTING, CONC.	3 EACH	\$10,000.00	\$30,000.00	\$9,119.33	\$27,357.99	\$2,850.00	\$8,550.00	\$11,200.00	\$33,600.00
44	REMOVE MANHOLE	3 EACH	\$2,200.00	\$6,600.00	\$1,344.33	\$4,032.99	\$1,200.00	\$3,600.00	\$1,400.00	\$4,200.00
45	PAVEMENT, P.C. CONCRETE, 7"	350 SY	\$105.00	\$36,750.00	\$85.25	\$29,837.50	\$107.00	\$37,450.00	\$140.00	\$49,000.00
46	SIDEWALK REMOVAL	231 SY	\$20.00	\$4,620.00	\$12.65	\$2,922.15	\$13.00	\$3,003.00	\$14.00	\$3,234.00
47	DRIVEWAY REMOVAL	89 SY	\$25.00	\$2,225.00	\$15.81	\$1,407.09	\$15.00	\$1,335.00	\$14.00	\$1,246.00
48	SHARED USE PATH REMOVAL, HMA	422 SY	\$20.00	\$8,440.00	\$15.82	\$6,676.04	\$15.00	\$6,330.00	\$14.00	\$5,908.00
49	SHARED USE PATH, 6" HMA, LOW TRAFFIC SURF. & BASE, 1/2", PG 58-28S	440 SY	\$60.00	\$26,400.00	\$64.31	\$28,296.40	\$50.00	\$22,000.00	\$70.00	\$30,800.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
50	SIDEWALK, P.C. CONCRETE, 4"	87 SY	\$60.00	\$5,220.00	\$99.26	\$8,635.62	\$60.00	\$5,220.00	\$105.00	\$9,135.00
51	SIDEWALK, P.C. CONCRETE, 5"	784 SY	\$65.00	\$50,960.00	\$73.90	\$57,937.60	\$66.00	\$51,744.00	\$112.00	\$87,808.00
52	DETECTABLE WARNING	28 SF	\$50.00	\$1,400.00	\$56.71	\$1,587.88	\$52.00	\$1,456.00	\$63.00	\$1,764.00
53	DRIVEWAY, P.C. CONCRETE, 6"	22 SY	\$75.00	\$1,650.00	\$158.64	\$3,490.08	\$78.00	\$1,716.00	\$119.00	\$2,618.00
54	DRIVEWAY, P.C. CONCRETE, 7"	631 SY	\$100.00	\$63,100.00	\$60.74	\$38,326.94	\$100.00	\$63,100.00	\$133.00	\$83,923.00
55	BEAM CURB, P.C. CONCRETE, 6" HEIGHT	15 LF	\$120.00	\$1,800.00	\$78.13	\$1,171.95	\$118.00	\$1,770.00	\$280.00	\$4,200.00
56	DRIVEWAY, GRANULAR SURFACING, CLASS A	20 TON	\$40.00	\$800.00	\$36.90	\$738.00	\$54.00	\$1,080.00	\$49.00	\$980.00
57	HMA PAVEMENT	40 SY	\$80.00	\$3,200.00	\$212.95	\$8,518.00	\$74.00	\$2,960.00	\$280.00	\$11,200.00
58	PARTIAL DEPTH PATCH, P.C. CONCRETE	70 SY	\$135.00	\$9,450.00	\$113.90	\$7,973.00	\$108.00	\$7,560.00	\$105.00	\$7,350.00
59	PARTIAL DEPTH PATCH, HMA	70 SY	\$120.00	\$8,400.00	\$89.61	\$6,272.70	\$124.00	\$8,680.00	\$140.00	\$9,800.00
60	PAVEMENT REMOVAL, PCC	301 SY	\$20.00	\$6,020.00	\$16.87	\$5,077.87	\$12.00	\$3,612.00	\$14.00	\$4,214.00
61	PAVEMENT REMOVAL, HMA	90 SY	\$20.00	\$1,800.00	\$21.09	\$1,898.10	\$12.00	\$1,080.00	\$14.00	\$1,260.00
62	CURB & GUTTER REMOVAL	190 LF	\$15.00	\$2,850.00	\$15.82	\$3,005.80	\$13.00	\$2,470.00	\$35.00	\$6,650.00
63	TRAFFIC CONTROL	1 LS	\$30,000.00	\$30,000.00	\$15,076.00	\$15,076.00	\$30,000.00	\$30,000.00	\$28,000.00	\$28,000.00
64	HYDRAULIC SEEDING, FERTILIZING, MULCHING, AND WATERING, TYPE 4	4.8 AC	\$5,000.00	\$24,000.00	\$4,006.67	\$19,232.02	\$1,800.00	\$8,640.00	\$2,800.00	\$13,440.00
65	HYDRAULIC SEEDING, FERTILIZING, MULCHING, AND WATERING, TYPE 1	1.4 AC	\$6,000.00	\$8,400.00	\$6,700.71	\$9,380.99	\$2,500.00	\$3,500.00	\$7,000.00	\$9,800.00
66	HYDRAULIC SEEDING, MULCHING AND WATERING, HYDRIC/WETLAND SEED MIX	1 AC	\$6,000.00	\$6,000.00	\$5,967.00	\$5,967.00	\$3,500.00	\$3,500.00	\$8,400.00	\$8,400.00
67	HYDRAULIC SEEDING, MULCHING AND WATERING, MESIC/XERIC SEED MIX	2.4 AC	\$5,000.00	\$12,000.00	\$5,967.08	\$14,320.99	\$3,500.00	\$8,400.00	\$8,400.00	\$20,160.00
68	SHRUB PLANTINGS, #5 CONTAINER	88 EACH	\$45.00	\$3,960.00	\$92.77	\$8,163.76	\$120.00	\$10,560.00	\$420.00	\$36,960.00
69	FILTER SOCK, INSTALLATION, MAINTENANCE, AND REMOVAL	1460 LF	\$3.00	\$4,380.00	\$2.11	\$3,080.60	\$2.60	\$3,796.00	\$2.80	\$4,088.00
70	TEMPORARY ROLLED EROSION CONTROL PRODUCT (RECP), TYPE 1.B	2350 SY	\$3.00	\$7,050.00	\$2.37	\$5,569.50	\$2.10	\$4,935.00	\$2.80	\$6,580.00
71	RIP RAP, CLASS B	255 TON	\$85.00	\$21,675.00	\$79.07	\$20,162.85	\$95.00	\$24,225.00	\$126.00	\$32,130.00
72	RIP RAP, CLASS E, 18" THICK	800 TON	\$85.00	\$68,000.00	\$79.07	\$63,256.00	\$92.00	\$73,600.00	\$119.00	\$95,200.00
73	REMOVE & REINSTALL RIP RAP, CLASS E, 18" THICK	235 SY	\$65.00	\$15,275.00	\$52.71	\$12,386.85	\$66.00	\$15,510.00	\$70.00	\$16,450.00
74	RIP RAP, CLASS D	10 TON	\$250.00	\$2,500.00	\$79.10	\$791.00	\$92.00	\$920.00	\$119.00	\$1,190.00
75	RIP RAP, 6" EROSION STONE	180 TON	\$120.00	\$21,600.00	\$89.61	\$16,129.80	\$84.00	\$15,120.00	\$105.00	\$18,900.00
76	SILT FENCE, INSTALLATION, MAINTENANCE, AND REMOVAL	1460 LF	\$5.00	\$7,300.00	\$2.11	\$3,080.60	\$1.65	\$2,409.00	\$2.80	\$4,088.00
77	CHAIN LINK FENCE, BLACK VINYL COATED, 8' HEIGHT	390 LF	\$75.00	\$29,250.00	\$31.37	\$12,234.30	\$36.00	\$14,040.00	\$42.00	\$16,380.00
78	GATE, CHAIN LINK FENCE, BLACK VINYL COATED, 8' HEIGHT, 22' WIDE DOUBLE SWING	1 EACH	\$10,000.00	\$10,000.00	\$2,214.00	\$2,214.00	\$1,850.00	\$1,850.00	\$2,940.00	\$2,940.00
79	BARBED WIRE, TYPE I SLANTED SUPPORTING ARM	414 LF	\$10.00	\$4,140.00	\$2.11	\$873.54	\$2.15	\$890.10	\$2.00	\$828.00
80	REMOVE & REINSTALL CHAIN LINK FENCE, 5' HEIGHT	107 LF	\$30.00	\$3,210.00	\$18.98	\$2,030.86	\$32.00	\$3,424.00	\$28.00	\$2,996.00
81	ABANDON-EXISTING STORM WATER PUMP STATION, 1045 SE 9TH ST.	1 LS	\$117,579.00	\$117,579.00	\$42,647.00	\$42,647.00	\$69,600.00	\$69,600.00	\$210,000.00	\$210,000.00
82	MOBILIZATION	1 LS	\$755,000.00	\$755,000.00	\$813,408.00	\$813,408.00	\$900,000.00	\$900,000.00	\$1,250,000.00	\$1,250,000.00
83	TREE PLANTINGS, 2.5" B & B	31 EACH	\$750.00	\$23,250.00	\$710.58	\$22,027.98	\$700.00	\$21,700.00	\$980.00	\$30,380.00
84	TREE PROTECTION FENCE	760 LF	\$5.00	\$3,800.00	\$3.69	\$2,804.40	\$3.25	\$2,470.00	\$5.60	\$4,256.00
85	STORM WATER POLLUTION PREVENTION PLAN	1 LS	\$12,000.00	\$12,000.00	\$9,488.00	\$9,488.00	\$4,000.00	\$4,000.00	\$12,600.00	\$12,600.00
86	RELOCATE WATER SERVICE STOP BOX	1 EACH	\$2,000.00	\$2,000.00	\$2,636.00	\$2,636.00	\$1,500.00	\$1,500.00	\$4,200.00	\$4,200.00
87	RELOCATE WATER SERVICE	3 EACH	\$10,000.00	\$30,000.00	\$6,852.67	\$20,558.01	\$2,000.00	\$6,000.00	\$6,300.00	\$18,900.00
88	AIR RELEASE/VACUUM VALVE, 6"	3 EACH	\$10,000.00	\$30,000.00	\$21,981.33	\$65,943.99	\$26,500.00	\$79,500.00	\$35,000.00	\$105,000.00
89	BOLLARD, SCH 40, GALVANIZED, 4" DIA	4 EACH	\$1,000.00	\$4,000.00	\$1,145.25	\$4,581.00	\$800.00	\$3,200.00	\$700.00	\$2,800.00
90	LEEVEE SEEPAGE RELIEF PIPE, TRENCHED, CPEP SLOTTED, 10"	420 LF	\$130.00	\$54,600.00	\$698.43	\$293,340.60	\$325.00	\$136,500.00	\$147.00	\$61,740.00
91	LEEVEE SEEPAGE RELIEF PIPE, TRENCHED, CPEP, 12"	201 LF	\$100.00	\$20,100.00	\$514.48	\$103,410.48	\$53.00	\$10,653.00	\$161.00	\$32,361.00
92	LEEVEE SEEPAGE RELIEF PIPE, TRENCHED, DIP, 12"	3 LF	\$300.00	\$900.00	\$838.00	\$2,514.00	\$1,250.00	\$3,750.00	\$574.00	\$1,722.00
93	SEEPAGE RELIEF CLEANOUT	1 EACH	\$1,250.00	\$1,250.00	\$3,057.00	\$3,057.00	\$1,000.00	\$1,000.00	\$2,520.00	\$2,520.00
94	FLOATING BALL CHECK VALVE	1 EACH	\$4,000.00	\$4,000.00	\$11,270.00	\$11,270.00	\$10,500.00	\$10,500.00	\$17,500.00	\$17,500.00
95	MANHOLE SR-1, LEEVEE SEEPAGE RELIEF, PVC, 48" DIAMETER	1 EACH	\$2,500.00	\$2,500.00	\$7,274.00	\$7,274.00	\$7,200.00	\$7,200.00	\$11,200.00	\$11,200.00
96	MANHOLE SR-2, LEEVEE SEEPAGE RELIEF, PVC, 24" DIAMETER	1 EACH	\$2,000.00	\$2,000.00	\$3,954.00	\$3,954.00	\$4,200.00	\$4,200.00	\$5,600.00	\$5,600.00
97	MANHOLE SR-3, LEEVEE SEEPAGE RELIEF, PVC, 24" DIAMETER	1 EACH	\$2,000.00	\$2,000.00	\$3,954.00	\$3,954.00	\$4,200.00	\$4,200.00	\$5,600.00	\$5,600.00
98	PROJECT SIGN - STORM WATER	2 EACH	\$500.00	\$1,000.00	\$527.00	\$1,054.00	\$500.00	\$1,000.00	\$2,100.00	\$4,200.00
TOTAL CONSTRUCTION COST				\$7,450,000.00		\$8,186,736.62		\$8,356,691.60		\$9,884,457.00
PERCENT OF ENGINEER'S ESTIMATE						+9.89%		+12.17%		+32.68%
						Low				