

DATE December 3, 2018

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON RIVER BEND AND KING IRVING SEWER SEPARATION PHASE 2A; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS JASPER CONSTRUCTION SERVICES, INC., CLIFF RHOADS, PRESIDENT, \$6,063,930.50

WHEREAS, on November 5, 2018, under Roll Call No. 18-1821, 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:

River Bend and King Irving Sewer Separation Phase 2A, 07-2018-006

The improvement includes approximately 8,363 feet of 15-inch through 36-inch storm sewer in open cut, approximately 175 feet of 18-inch through 30-inch storm sewer in trenchless construction, manholes, special structures, sanitary sewer, water main relocation, pavement removal, Portland Cement Concrete (PCC) curb and gutter, PCC pavement, Hot Mix Asphalt (HMA) pavement, permeable pavers and green infrastructure elements, traffic control, erosion control and miscellaneous associated work, including cleanup; all in accordance with the contract documents, including Plan File No. 600/001-223, located along 4th Street from Clark Street to Orchard Avenue, along Orchard Avenue from 4th Street to 5th Avenue, along 5th Avenue from Orchard Avenue to Indiana Avenue, along Indiana Avenue from 5th Avenue to 8th Street, along Forest Avenue from 5th Avenue to 12th Street, along 9th Street from Forest Avenue to Indiana Avenue, along Mary Avenue from 9th Street to 11th Street, along 11th Street from Mary Avenue to Carpenter Avenue and along Carpenter Avenue from 11th Street to 12th Street. all 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:

DATE December 3, 2018

Jasper Construction Services, Inc.	Newton, IA
	Bid read under advisement – SRF Attachments 4 & 5 not completed
Raccoon Valley Contractors, LLC.	Waukee, IA
Progressive Structures, LLC	Elkader, IA
Rognes Corp.	Ankeny, 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 20, 2018. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

BE IT FURTHER RESOLVED: That the Des Moines City Engineer, as the Engineer, has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by Jasper Construction Services, Inc., Cliff Rhoads, President, 928 N 19th Avenue East, Newton, IA, 50208 in the amount of \$6,063,930.50, 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 18-644 attached.)

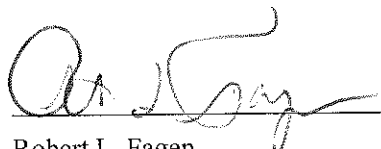
Moved by _____ to adopt.

FORM APPROVED:



Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE



Robert L. Fagen
Des Moines Finance Director

★ Roll Call Number

Agenda Item Number

43

DATE December 3, 2018

SLN

Funding Source: 2018-2019 CIP, Page Sanitary – 8, River Bend and King Irving Sewer Separation, SS138, Being: \$5,888,369.50 in SRF funding to be issued; and the remaining \$175,561 from Des Moines Water Works

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

MOTION CARRIED

APPROVED

Mayor

I, Diane Rauh, 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. Bogenreif APPROVED BY: _____
CHECKED BY: *Emily Haler*

CONTRACTOR'S BID TABULATION
PROJECT: River Bend and King Irving Sewer Separation - Phase 2A

ESTIMATE

**Jasper Construction
Service, Inc.
Newton, IA**

BID SECURITY
10% Bid Bond

BID PRICE

**Raccoon Valley
Contractors
Waukee, IA**

BID SECURITY
10% Bid Bond

BID PRICE

**Progressive Structures
Elkader, IA**

BID SECURITY
10% Bid Bond

BID PRICE

**Rognes Corp
Ankeny, IA**

BID SECURITY
10% Bid Bond

BID PRICE

ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	CLEARING AND GRUBBING	273.0	UNIT	\$90.00	\$24,570.00	\$100.00	\$27,300.00	\$257.00	\$70,161.00	\$94.00	\$25,862.00	\$250.00	\$68,250.00
2	TOPSOIL, OFF SITE	855.0	CY	\$30.00	\$25,650.00	\$60.00	\$51,300.00	\$34.00	\$29,070.00	\$60.00	\$51,300.00	\$30.00	\$25,650.00
3	EXCAVATION, CLASS 10	3,550.0	CY	\$30.00	\$106,500.00	\$25.00	\$88,750.00	\$40.00	\$142,000.00	\$78.00	\$276,900.00	\$32.50	\$115,375.00
4	SUBGRADE PREPARATION, 6 IN. DEPTH	19,250.0	SY	\$5.00	\$96,250.00	\$6.00	\$115,500.00	\$6.00	\$115,500.00	\$8.00	\$154,000.00	\$6.00	\$115,500.00
5	SUBGRADE TREATMENT, FLY ASH	1,000.0	SY	\$15.00	\$15,000.00	\$15.00	\$15,000.00	\$11.00	\$11,000.00	\$16.10	\$16,100.00	\$12.00	\$12,000.00
6	SUBGRADE TREATMENT, GEOGRID	1,000.0	SY	\$7.00	\$7,000.00	\$10.00	\$10,000.00	\$5.00	\$5,000.00	\$9.00	\$9,000.00	\$5.00	\$5,000.00
7	SUBBASE, MODIFIED	16,200.0	SY	\$12.00	\$194,400.00	\$15.00	\$243,000.00	\$10.00	\$162,000.00	\$13.35	\$216,270.00	\$13.50	\$218,700.00
8	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	1,500.0	TONS	\$35.00	\$52,500.00	\$50.00	\$75,000.00	\$32.00	\$48,000.00	\$34.00	\$51,000.00	\$45.00	\$67,500.00
9	SANITARY SEWER, GRAVITY MAIN, TRENCHED, DI, 16"	20.0	LF	\$500.00	\$10,000.00	\$500.00	\$10,000.00	\$720.00	\$14,400.00	\$760.00	\$15,200.00	\$600.00	\$12,000.00
10	SANITARY SEWER, GRAVITY MAIN, TRENCHED, DI, 18"	10.0	LF	\$600.00	\$6,000.00	\$500.00	\$5,000.00	\$780.00	\$7,800.00	\$782.00	\$7,820.00	\$600.00	\$6,000.00
11	SANITARY SEWER SERVICE RELOCATION	11.0	EA	\$5,000.00	\$55,000.00	\$2,500.00	\$27,500.00	\$6,865.00	\$75,515.00	\$8,850.00	\$97,350.00	\$3,800.00	\$41,800.00
12	REPAIR SANITARY SEWER	37.0	EA	\$2,200.00	\$81,400.00	\$2,500.00	\$92,500.00	\$2,430.00	\$89,910.00	\$3,200.00	\$118,400.00	\$2,500.00	\$92,500.00
13	REMOVAL OF SANITARY SEWER, 15"	20.0	LF	\$15.00	\$300.00	\$30.00	\$600.00	\$15.00	\$300.00	\$10.00	\$200.00	\$25.00	\$500.00
14	REMOVAL OF SANITARY SEWER, 18"	10.0	LF	\$16.00	\$160.00	\$30.00	\$300.00	\$16.00	\$160.00	\$10.00	\$100.00	\$25.00	\$250.00
15	STORM SEWER, TRENCHED, RCP, CL3, 15"	2,721.0	LF	\$95.00	\$258,495.00	\$175.00	\$476,175.00	\$130.00	\$353,730.00	\$112.00	\$304,752.00	\$155.00	\$421,755.00
16	STORM SEWER, TRENCHED, GASKETED RCP, CL3, 15"	429.0	LF	\$95.00	\$40,755.00	\$175.00	\$75,075.00	\$140.00	\$60,060.00	\$114.00	\$48,906.00	\$158.00	\$67,782.00
17	STORM SEWER, TRENCHED, RCP, CL5, 15"	59.0	LF	\$105.00	\$6,195.00	\$175.00	\$10,325.00	\$145.00	\$8,555.00	\$116.00	\$6,844.00	\$164.00	\$9,676.00
18	STORM SEWER, TRENCHED, GASKETED RCP, CL5, 15"	195.0	LF	\$105.00	\$20,475.00	\$175.00	\$34,125.00	\$150.00	\$29,250.00	\$118.00	\$23,010.00	\$168.00	\$32,760.00
19	STORM SEWER, TRENCHED, RCP, CL3, 18"	1,710.0	LF	\$105.00	\$179,550.00	\$175.00	\$299,250.00	\$150.00	\$256,500.00	\$114.00	\$194,940.00	\$162.00	\$277,020.00
20	STORM SEWER, TRENCHED, GASKETED RCP, CL3, 18"	109.0	LF	\$105.00	\$11,445.00	\$175.00	\$19,075.00	\$155.00	\$16,895.00	\$118.00	\$12,862.00	\$164.00	\$17,876.00
21	STORM SEWER, TRENCHED, RCP, CL3, 24"	1,010.0	LF	\$130.00	\$131,300.00	\$175.00	\$176,750.00	\$175.00	\$176,750.00	\$132.00	\$133,320.00	\$172.00	\$173,720.00
22	STORM SEWER, TRENCHED, GASKETED, RCP, CL3, 24"	24.0	LF	\$130.00	\$3,120.00	\$175.00	\$4,200.00	\$175.00	\$4,200.00	\$135.00	\$3,240.00	\$174.00	\$4,176.00
23	STORM SEWER, TRENCHED, RCP, CL3, 30"	947.0	LF	\$150.00	\$142,050.00	\$175.00	\$165,725.00	\$375.00	\$355,125.00	\$145.00	\$137,315.00	\$500.00	\$473,500.00
24	STORM SEWER, TRENCHED, GASKETED, RCP, CL3, 30"	26.0	LF	\$150.00	\$3,900.00	\$175.00	\$4,550.00	\$350.00	\$9,100.00	\$155.00	\$4,030.00	\$550.00	\$14,300.00
25	STORM SEWER, TRENCHED, RCP, CL3, 36"	964.0	LF	\$180.00	\$173,520.00	\$175.00	\$168,700.00	\$450.00	\$433,800.00	\$160.00	\$154,240.00	\$625.00	\$602,500.00
26	STORM SEWER, TRENCHED, DI, CL52, 12"	36.0	LF	\$130.00	\$4,680.00	\$175.00	\$6,300.00	\$335.00	\$12,060.00	\$160.00	\$5,760.00	\$235.00	\$8,460.00
27	STORM SEWER, TRENCHED, DI, CL52, 14"	79.0	LF	\$150.00	\$11,850.00	\$175.00	\$13,825.00	\$340.00	\$26,860.00	\$162.00	\$12,798.00	\$245.00	\$19,355.00
28	STORM SEWER, TRENCHED, DI, CL52, 16"	54.0	LF	\$170.00	\$9,180.00	\$175.00	\$9,450.00	\$342.00	\$18,468.00	\$168.00	\$9,072.00	\$255.00	\$13,770.00
29	STORM SEWER, TRENCHLESS, JACKING PIPE, 18"	92.0	LF	\$1,000.00	\$92,000.00	\$500.00	\$46,000.00	\$595.00	\$54,740.00	\$900.00	\$82,800.00	\$1,000.00	\$92,000.00
30	STORM SEWER, TRENCHLESS, RCP, JACKING PIPE, 30", GASKETED	83.0	LF	\$1,500.00	\$124,500.00	\$500.00	\$41,500.00	\$735.00	\$61,005.00	\$1,100.00	\$91,300.00	\$1,100.00	\$91,300.00
31	REMOVAL OF STORM SEWER, VCP OR RCP, 6" TO 15"	648.0	LF	\$15.00	\$9,720.00	\$35.00	\$22,680.00	\$16.00	\$10,368.00	\$16.50	\$10,692.00	\$15.00	\$9,720.00
32	STORM SEWER ABANDONMENT, FILLED PLUG	117.0	LF	\$25.00	\$2,925.00	\$35.00	\$4,095.00	\$25.00	\$2,925.00	\$30.00	\$3,510.00	\$15.00	\$1,755.00
33	MANHOLE, SW 401, 48"	17.0	EA	\$5,000.00	\$85,000.00	\$3,500.00	\$59,500.00	\$5,000.00	\$85,000.00	\$3,000.00	\$51,000.00	\$4,300.00	\$73,100.00
34	MANHOLE, SW 401, 60"	3.0	EA	\$5,500.00	\$16,500.00	\$6,250.00	\$18,750.00	\$6,500.00	\$19,500.00	\$4,800.00	\$14,400.00	\$7,100.00	\$21,300.00
35	MANHOLE, SW 401, 72"	5.0	EA	\$8,500.00	\$42,500.00	\$7,500.00	\$37,500.00	\$7,500.00	\$37,500.00	\$6,200.00	\$31,000.00	\$11,000.00	\$55,000.00
36	MANHOLE, SW 401, 84"	4.0	EA	\$10,000.00	\$40,000.00	\$12,250.00	\$49,000.00	\$10,500.00	\$42,000.00	\$9,100.00	\$36,400.00	\$15,000.00	\$60,000.00
37	INTAKE, SW 501	33.0	EA	\$5,500.00	\$181,500.00	\$6,000.00	\$198,000.00	\$4,600.00	\$151,800.00	\$5,000.00	\$165,000.00	\$5,900.00	\$194,700.00
38	INTAKE, SW 501 MOD	3.0	EA	\$6,000.00	\$18,000.00	\$5,500.00	\$16,500.00	\$6,100.00	\$18,300.00	\$7,000.00	\$21,000.00	\$6,100.00	\$18,300.00
39	INTAKE, SW 502, 48"	4.0	EA	\$6,000.00	\$24,000.00	\$5,300.00	\$21,200.00	\$3,600.00	\$14,400.00	\$4,000.00	\$16,000.00	\$4,300.00	\$17,200.00
40	INTAKE, SW 502, 60"	3.0	EA	\$4,000.00	\$12,000.00	\$4,700.00	\$14,100.00	\$5,300.00	\$15,900.00	\$6,000.00	\$18,000.00	\$7,100.00	\$21,300.00
41	INTAKE, SW 502, 72"	2.0	EA	\$7,500.00	\$15,000.00	\$9,500.00	\$19,000.00	\$5,800.00	\$11,600.00	\$7,200.00	\$14,400.00	\$11,000.00	\$22,000.00
42	INTAKE, SW 505	11.0	EA	\$8,500.00	\$93,500.00	\$7,500.00	\$82,500.00	\$7,600.00	\$83,600.00	\$6,000.00	\$66,000.00	\$9,000.00	\$99,000.00
43	INTAKE, SW 507	1.0	EA	\$8,000.00	\$8,000.00	\$7,000.00	\$7,000.00	\$8,100.00	\$8,100.00	\$6,000.00	\$6,000.00	\$9,500.00	\$9,500.00

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ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
44	1.0 EA	PIPE APRON, 24" RCP, CL4	\$1,500.00	\$1,500.00	\$2,300.00	\$4,500.00	\$1,800.00	\$1,800.00	\$3,700.00	\$3,700.00
45	8.0 EA	MANHOLE ADJUSTMENT, MINOR	\$1,500.00	\$12,000.00	\$12,000.00	\$20,000.00	\$2,400.00	\$19,200.00	\$11,400.00	\$11,200.00
46	8.0 EA	MANHOLE ADJUSTMENT, MAJOR	\$2,000.00	\$16,000.00	\$16,000.00	\$24,000.00	\$3,000.00	\$24,000.00	\$2,400.00	\$19,200.00
47	2.0 EA	CONNECTION TO EXISTING INTAKE/MANHOLE	\$1,000.00	\$2,000.00	\$5,000.00	\$5,200.00	\$1,800.00	\$3,600.00	\$3,000.00	\$6,000.00
48	5.0 EA	REMOVE MANHOLE	\$1,000.00	\$5,000.00	\$750.00	\$3,500.00	\$850.00	\$4,250.00	\$950.00	\$4,750.00
49	33.0 EA	REMOVE INTAKE	\$700.00	\$23,100.00	\$750.00	\$24,750.00	\$600.00	\$19,800.00	\$950.00	\$31,350.00
50	65.0 SY	PAVEMENT, PCC, 6"	\$42.00	\$2,730.00	\$80.00	\$5,200.00	\$458.00	\$29,770.00	\$150.00	\$9,750.00
51	105.0 SY	PAVEMENT, PCC, 8"	\$45.00	\$4,725.00	\$88.00	\$9,240.00	\$458.00	\$48,090.00	\$280.00	\$15,750.00
52	PAVEMENT, PCC, FOR COMPOSITE SECTION									
53	3,591.0 SY	RIBBON CURB, PCC, 9", 1'-6" WIDE	\$72.00	\$258,552.00	\$65.00	\$233,415.00	\$90.00	\$323,190.00	\$105.00	\$377,055.00
54	582.0 LF	CURB AND GUTTER, PCC, 9", 1'-6" WIDE	\$45.00	\$26,190.00	\$25.00	\$14,550.00	\$26.00	\$15,132.00	\$23.00	\$13,386.00
55	1,971.0 LF	CURB AND GUTTER, PCC, 6", 2'-6" WIDE	\$50.00	\$98,550.00	\$23.00	\$45,333.00	\$24.00	\$47,304.00	\$21.00	\$41,391.00
56	5,342.0 LF	CURB AND GUTTER, PCC, 8", 2'-6" WIDE	\$45.00	\$240,390.00	\$20.00	\$106,840.00	\$21.00	\$112,182.00	\$18.00	\$96,156.00
57	2,059.0 LF	CURB AND GUTTER, PCC, 9", 2'-6" WIDE	\$50.00	\$102,950.00	\$24.00	\$49,416.00	\$25.00	\$51,475.00	\$22.00	\$45,298.00
58	70.0 LF	PAVEMENT, HMA LT, BASE COURSE	\$105.00	\$7,350.00	\$55.00	\$3,850.00	\$53.00	\$3,710.00	\$50.00	\$3,500.00
59	1,694.0 TONS	PAVEMENT, HMA LT, SURFACE COURSE	\$110.00	\$186,340.00	\$107.00	\$181,253.00	\$102.00	\$172,788.00	\$105.00	\$205,905.00
60	2,166.0 SY	REMOVAL OF SIDEWALK	\$10.00	\$21,660.00	\$12.00	\$25,992.00	\$10.00	\$21,660.00	\$12.00	\$25,992.00
61	760.0 SY	REMOVAL OF DRIVEWAY	\$12.00	\$9,120.00	\$12.00	\$9,120.00	\$12.00	\$9,120.00	\$13.00	\$9,880.00
62	1,685.0 SY	SIDEWALK, PCC, 4" THICK	\$55.00	\$92,675.00	\$55.00	\$92,675.00	\$55.00	\$92,675.00	\$70.00	\$117,950.00
63	385.0 SF	SIDEWALK, PCC, 6" THICK	\$65.00	\$25,025.00	\$65.00	\$25,025.00	\$92.00	\$35,420.00	\$110.00	\$42,350.00
64	883.0 SF	DETECTABLE WARNING	\$45.00	\$39,735.00	\$48.00	\$32,784.00	\$48.00	\$32,784.00	\$55.00	\$37,565.00
65	782.0 SY	DRIVEWAY, PCC, 6" THICK	\$60.00	\$46,920.00	\$70.00	\$54,740.00	\$65.00	\$50,830.00	\$80.00	\$62,560.00
66	200.0 TON	DRIVEWAY, GRANULAR	\$35.00	\$7,000.00	\$40.00	\$8,000.00	\$40.00	\$8,000.00	\$35.00	\$7,000.00
67	200.0 SY	FULL DEPTH PATCH, COMPOSITE SECTIONS	\$350.00	\$70,000.00	\$70.00	\$14,000.00	\$364.00	\$72,800.00	\$270.50	\$54,100.00
68	1,900.0 SY	PAVEMENT SCARIFICATION	\$40.00	\$76,000.00	\$20.00	\$38,000.00	\$18.00	\$34,200.00	\$20.00	\$38,000.00
69	17,320.0 SY	PAVEMENT REMOVAL	\$11.00	\$190,520.00	\$15.00	\$259,800.00	\$9.00	\$155,880.00	\$16.05	\$277,986.00
70	1.0 LS	TRAFFIC CONTROL	\$30,000.00	\$30,000.00	\$50,000.00	\$50,000.00	\$45,000.00	\$45,000.00	\$70,000.00	\$70,000.00
71	1,110.0 SQ	SOD	\$70.00	\$77,700.00	\$85.00	\$94,350.00	\$102.00	\$113,220.00	\$102.00	\$113,220.00
72	1.0 LS	STORMWATER POLLUTION PREVENTION	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
73	4,340.0 LF	FILTER SOCK, 9" DIA	\$7.00	\$30,380.00	\$3.30	\$14,322.00	\$3.30	\$14,322.00	\$3.00	\$13,020.00
74	4,340.0 LF	FILTER SOCK REMOVAL	\$1.00	\$4,340.00	\$1.00	\$4,340.00	\$0.35	\$1,519.00	\$1.00	\$4,340.00
75	78.0 EA	INLET PROTECTION DEVICE	\$250.00	\$19,500.00	\$120.00	\$9,360.00	\$185.00	\$14,430.00	\$185.00	\$14,430.00
76	40.0 LF	CHAIN LINK FENCE, 48", SALVAGE, REPLACE	\$75.00	\$3,000.00	\$50.00	\$2,000.00	\$24.00	\$960.00	\$340.00	\$13,600.00
77	10.0 LF	DECORATIVE FENCE, SALVAGE, REPLACE	\$25.00	\$250.00	\$100.00	\$1,000.00	\$74.00	\$740.00	\$50.00	\$500.00
78	20.0 SF	LIMESTONE RETAINING WALL, SALVAGE, RESTACK	\$55.00	\$1,100.00	\$80.00	\$1,600.00	\$84.00	\$1,680.00	\$75.00	\$1,500.00
79	6.6 CY	COMBINED CONCRETE SIDEWALK AND RETAINING WALL	\$1,100.00	\$7,260.00	\$1,500.00	\$9,900.00	\$75.00	\$495.00	\$1,000.00	\$6,600.00
80	1.0 LS	REMOVAL OF STEPS	\$2,500.00	\$2,500.00	\$1,500.00	\$1,500.00	\$1,200.00	\$1,200.00	\$2,500.00	\$2,500.00
81	1.0 LS	REMOVAL OF PCC RETAINING WALLS	\$2,500.00	\$2,500.00	\$1,500.00	\$1,500.00	\$1,200.00	\$1,200.00	\$2,500.00	\$2,500.00
82	1.0 LS	CONSTRUCTION STAKING	\$75,000.00	\$75,000.00	\$50,000.00	\$50,000.00	\$80,000.00	\$80,000.00	\$70,000.00	\$70,000.00
83	415.0 LF	MOBILIZATION	\$200,904.00	\$83,320.00	\$486,000.00	\$518,500.00	\$1,496,000.00	\$1,496,000.00	\$775,000.00	\$775,000.00
84	19.0 EA	TREE PROTECTION FENCE, 4" HIGH	\$60.00	\$1,140.00	\$4.00	\$78.00	\$3.60	\$69.12	\$3.00	\$57.00
85	1.0 EA	TREE TRUNK PROTECTION	\$250.00	\$250.00	\$500.00	\$500.00	\$300.00	\$300.00	\$350.00	\$350.00
86	4.0 EA	TREE ROOT GRINDING	\$1,000.00	\$4,000.00	\$1,000.00	\$4,000.00	\$400.00	\$1,600.00	\$250.00	\$1,000.00
87	21.0 EA	TREE TRIMMING	\$15,000.00	\$315,000.00	\$10,000.00	\$210,000.00	\$15,000.00	\$315,000.00	\$10,000.00	\$210,000.00
88	1.0 LS	MAINTENANCE OF SOLID WASTE COLLECTION	\$101,850.00	\$101,850.00	\$95,000.00	\$95,000.00	\$6,300.00	\$6,300.00	\$350.00	\$350.00
89	3.0 EA	GREEN INFRASTRUCTURE EARTHWORK	\$1,000.00	\$3,000.00	\$1,500.00	\$4,500.00	\$1,200.00	\$3,600.00	\$1,500.00	\$4,500.00
90	2,044.0 SY	COMBINATION CURB CUT/SEDIMENT TRAP	\$2.50	\$5,110.00	\$3.00	\$6,132.00	\$5.00	\$10,220.00	\$3.50	\$7,154.00
91	190.0 SY	FINAL LANDSCAPE GRADING	\$7.00	\$1,330.00	\$10.00	\$1,900.00	\$7.50	\$1,425.00	\$25.00	\$4,750.00
92	14.0 EA	PLANTING MEDIA & BED PREPARATION	\$250.00	\$3,500.00	\$350.00	\$4,900.00	\$350.00	\$4,900.00	\$450.00	\$6,300.00
94	172.0 LF	TAP STORM HANDHOLE FOR UNDERDRAIN	\$40.00	\$6,880.00	\$60.00	\$10,320.00	\$45.00	\$7,740.00	\$85.00	\$14,610.00
95	10.0 EA	THICKENED CONCRETE EDGE	\$800.00	\$8,000.00	\$1,000.00	\$10,000.00	\$950.00	\$9,500.00	\$1,500.00	\$15,000.00
96		UNDERDRAIN CLEANOUT								

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
97	DRAINAGE/FILTER AGGREGATE	880.0 TON	\$65.00	\$57,200.00	\$50.00	\$44,000.00	\$65.00	\$57,200.00	\$45.00	\$39,600.00	\$65.00	\$57,200.00
98	GEOTEXTILE	3,505.0 SY	\$10.00	\$35,050.00	\$10.00	\$35,050.00	\$13.00	\$45,565.00	\$8.00	\$28,040.00	\$12.00	\$42,060.00
99	RUBBER MEMBRANE	703.0 SY	\$40.00	\$28,120.00	\$40.00	\$28,120.00	\$30.00	\$21,090.00	\$8.50	\$5,975.50	\$55.00	\$38,665.00
100	SLOTTED UNDERDRAIN - 6" PIPE	2,175.0 LF	\$30.00	\$65,250.00	\$32.00	\$69,600.00	\$43.00	\$93,525.00	\$35.00	\$76,125.00	\$31.00	\$67,425.00
101	SOLID UNDERDRAIN - 6" PIPE	275.0 LF	\$22.00	\$6,050.00	\$30.00	\$8,250.00	\$31.00	\$8,525.00	\$32.50	\$8,937.50	\$31.00	\$8,525.00
102	STORAGE AGGREGATE	1,021.0 TON	\$50.00	\$51,050.00	\$50.00	\$51,050.00	\$65.00	\$66,365.00	\$42.00	\$42,882.00	\$65.00	\$66,365.00
103	PERMEABLE CONCRETE PAVERS WITH BEDDING	19,015.0 SF	\$10.00	\$190,150.00	\$6.50	\$123,597.50	\$7.00	\$133,105.00	\$8.00	\$152,120.00	\$7.00	\$133,105.00
104	SLOTTED UNDERDRAIN - 8" PIPE	345.0 LF	\$33.00	\$11,385.00	\$40.00	\$13,800.00	\$36.00	\$12,420.00	\$38.00	\$13,110.00	\$31.00	\$10,695.00
105	SOLID UNDERDRAIN - 8" PIPE	55.0 LF	\$25.00	\$1,375.00	\$40.00	\$2,200.00	\$36.00	\$1,980.00	\$40.00	\$2,200.00	\$35.00	\$1,925.00
106	BIORETENTION AMENDED SOIL	219.0 CY	\$80.00	\$17,520.00	\$80.00	\$17,520.00	\$75.00	\$16,425.00	\$90.00	\$19,710.00	\$75.00	\$16,425.00
107	GRAVEL SUMP	48.0 EA	\$300.00	\$14,400.00	\$200.00	\$9,600.00	\$300.00	\$14,400.00	\$360.00	\$17,280.00	\$400.00	\$19,200.00
108	PLANTING SOIL MIX	200.0 CY	\$70.00	\$14,000.00	\$75.00	\$15,000.00	\$75.00	\$15,000.00	\$92.00	\$18,400.00	\$75.00	\$15,000.00
109	CANOPY TREE - 2" CALIPER	15.0 EA	\$500.00	\$7,500.00	\$400.00	\$6,000.00	\$650.00	\$9,750.00	\$715.00	\$10,725.00	\$650.00	\$9,750.00
110	TRANSPLANT EXISTING DECIDUOUS TREE	8.0 EA	\$350.00	\$2,800.00	\$400.00	\$3,200.00	\$1,875.00	\$15,000.00	\$1,100.00	\$8,800.00	\$1,875.00	\$15,000.00
111	DECIDUOUS SHRUB - 5 GALLON	77.0 EA	\$90.00	\$6,930.00	\$60.00	\$4,620.00	\$90.00	\$6,930.00	\$62.00	\$4,774.00	\$90.00	\$6,930.00
112	PERENNIAL/ORNAENTAL GRASSES - 1 GALLON	2,230.0 EA	\$18.00	\$40,140.00	\$15.00	\$33,450.00	\$19.00	\$42,370.00	\$14.00	\$31,220.00	\$19.00	\$42,370.00
113	GROUND COVER - 4 1/2" POT	1,354.0 EA	\$6.00	\$8,124.00	\$10.00	\$13,540.00	\$15.00	\$20,310.00	\$14.50	\$19,633.00	\$15.00	\$20,310.00
114	WOOD CHIP MULCH	79.0 CY	\$45.00	\$3,555.00	\$90.00	\$7,110.00	\$114.00	\$9,006.00	\$55.00	\$4,345.00	\$70.00	\$5,530.00
115	TIED CONCRETE BLOCK MATTING	210.0 SF	\$13.00	\$2,730.00	\$15.00	\$3,150.00	\$18.00	\$3,780.00	\$25.00	\$5,250.00	\$25.00	\$5,250.00
116	LOWER 1" WATER SERVICE	18.0 EA	\$500.00	\$9,000.00	\$3,000.00	\$54,000.00	\$3,866.00	\$69,588.00	\$4,500.00	\$81,000.00	\$2,000.00	\$36,000.00
117	6" TYPE 1 WATER MAIN ALTERATION	1.0 EA	\$9,000.00	\$9,000.00	\$15,000.00	\$15,000.00	\$13,000.00	\$13,000.00	\$14,000.00	\$14,000.00	\$13,500.00	\$13,500.00
118	8" TYPE 1 WATER MAIN ALTERATION	2.0 EA	\$10,000.00	\$20,000.00	\$15,000.00	\$30,000.00	\$16,000.00	\$32,000.00	\$15,000.00	\$30,000.00	\$15,500.00	\$31,000.00
119	REMOVE AND REPLACE - HYDRANT (6" WATER MAIN)	1.0 EA	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00	\$16,200.00	\$16,200.00	\$20,500.00	\$20,500.00	\$14,000.00	\$14,000.00
120	REMOVE AND REPLACE - HYDRANT (8" WATER MAIN)	2.0 EA	\$11,000.00	\$22,000.00	\$15,000.00	\$30,000.00	\$22,000.00	\$44,000.00	\$16,000.00	\$32,000.00	\$12,000.00	\$24,000.00
121	REMOVE AND RELOCATE - HYDRANT (6" WATER MAIN)	2.0 EA	\$12,000.00	\$24,000.00	\$15,000.00	\$30,000.00	\$27,000.00	\$54,000.00	\$16,500.00	\$33,000.00	\$15,000.00	\$30,000.00
122	REMOVE AND RELOCATE - HYDRANT (8" WATER MAIN)	3.0 EA	\$13,000.00	\$39,000.00	\$15,000.00	\$45,000.00	\$7,000.00	\$21,000.00	\$68.00	\$204.00	\$50.00	\$1,500.00
123	1" WATER SERVICE TRANSFER (OPPOSITE SIDE)	1.0 EA	\$4,000.00	\$4,000.00	\$3,000.00	\$3,000.00	\$7,000.00	\$7,000.00	\$60.00	\$60.00	\$3,400.00	\$3,400.00
124	FOUNDATION ROCK	20.0 TON	\$35.00	\$700.00	\$50.00	\$1,000.00	\$35.00	\$700.00	\$68.00	\$1,360.00	\$50.00	\$1,000.00
125	MANUFACTURED SAND	20.0 TON	\$35.00	\$700.00	\$40.00	\$800.00	\$32.00	\$640.00	\$60.00	\$1,200.00	\$40.00	\$800.00
	TOTAL CONSTRUCTION COST			\$5,520,000.00		\$6,063,930.50		\$6,622,586.00		\$7,063,231.00		\$7,432,821.00
	PERCENT OF ENGINEER'S ESTIMATE				+9.85%		+23.60%		+28.50%			+34.65%

Low
Bid Read Under Advisement-
SRF Attachments 4 and 5
not completed