

DATE November 5, 2018

ORDERING CONSTRUCTION OF  
RIVER BEND AND KING IRVING SEWER SEPARATION PHASE2A  
AND FIXING A DATE FOR RECEIVING OF BIDS ON NOVEMBER20, 2018  
AND PUBLIC HEARING ON DECEMBER 3, 2018  
ENGINEER'S ESTIMATE IS \$5,520,000.00

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached communication recommending construction of the following improvement and the method of financing; and also including the recommendation of the Des Moines City Engineer, as the Engineer, submitting plans, specifications, form of contract documents, and Engineer's estimate of cost 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

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$5,520,000.00. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.

BE IT FURTHER RESOLVED: That this Council hereby determines that it is necessary and advisable to construct said improvement in the manner set forth in the plans, specifications, and form of contract documents submitted by the Engineer; and that payment for the cost of said improvement shall be paid from the funding source identified below.

BE IT FURTHER RESOLVED: That a public hearing on said plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement be held in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa, at 5:00 p.m. on December 3, 2018, at which time this Council will consider any objections offered thereto or to the making of said improvement.

★ **Roll Call Number**

**Agenda Item Number**

6B

DATE November 5, 2018

BE IT FURTHER RESOLVED: That proposals will be received by the City of Des Moines, at the office of the Des Moines City Clerk until 11:00 a.m. on November 20, 2018, for the construction of said improvement, and the taking of bids in the manner required by law. Proposals received will be 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, after which the bids together with a bid tabulation and recommendation of the Engineer will be presented to the City Council at its next meeting for action thereon.


BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted, and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(City Council Communication Number 18-543 attached.)

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

FORM APPROVED:

FUNDS AVAILABLE

  
 Kathleen Vanderpool  
 Deputy City Attorney

  
 Robert L. Fagen  
 Des Moines Finance Director

SLN Funding Source: 2018-2019 CIP, Page Sanitary – 8, River Bend and King Irving Sewer Separation, SS138, Being: \$5,386,780.00 in SRF funding to be issued; and the remaining \$133,220.00 from Des Moines Water Works

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

MOTION CARRIED APPROVED

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.

Mayor

City Clerk

6B

CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING  
CITY OF DES MOINES, IOWA

Activity ID 07-2018-006

DATE: 10/17/2018

PROJECT: River Bend and King Irving Sewer Separation - Phase 2A

ITEM	DESCRIPTION	ESTIMATED UNITS			DIVISION 1 CITY OF DM AMOUNT TOTAL	DIVISION 2 DMWW AMOUNT TOTAL	PROJECT AMOUNT TOTAL	
		UNIT	DIVISION 1 CITY OF DM	DIVISION 2 DMWW				UNIT PRICE
1	* CLEARING AND GRUBBING	UNIT	273.0		\$ 90.00	\$ 24,570.00	\$ -	\$ 24,570.00
2	* TOPSOIL, OFF SITE	CY	855.0		\$ 30.00	\$ 25,650.00	\$ -	\$ 25,650.00
3	* EXCAVATION, CLASS 10	CY	3,550.0		\$ 30.00	\$ 106,500.00	\$ -	\$ 106,500.00
4	* SUBGRADE PREPARATION, 6 IN. DEPTH	SY	19,250.0		\$ 5.00	\$ 96,250.00	\$ -	\$ 96,250.00
5	* SUBGRADE TREATMENT, FLY ASH	SY	1,000.0		\$ 15.00	\$ 15,000.00	\$ -	\$ 15,000.00
6	* SUBGRADE TREATMENT, GEOGRID	SY	1,000.0		\$ 7.00	\$ 7,000.00	\$ -	\$ 7,000.00
7	* SUBBASE, MODIFIED	SY	16,200.0		\$ 12.00	\$ 194,400.00	\$ -	\$ 194,400.00
8	* REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	TONS	1,500.0		\$ 35.00	\$ 52,500.00	\$ -	\$ 52,500.00
9	SANITARY SEWER, GRAVITY MAIN, TRENCHED, DI, 16"	LF	20.0		\$ 500.00	\$ 10,000.00	\$ -	\$ 10,000.00
10	SANITARY SEWER, GRAVITY MAIN, TRENCHED, DI, 18"	LF	10.0		\$ 600.00	\$ 6,000.00	\$ -	\$ 6,000.00
11	SANITARY SEWER SERVICE RELOCATION	EA	11.0		\$ 5,000.00	\$ 55,000.00	\$ -	\$ 55,000.00
12	REPAIR SANITARY SEWER	EA	37.0		\$ 2,200.00	\$ 81,400.00	\$ -	\$ 81,400.00
13	* REMOVAL OF SANITARY SEWER, 16"	LF	20.0		\$ 15.00	\$ 300.00	\$ -	\$ 300.00
14	* REMOVAL OF SANITARY SEWER, 18"	LF	10.0		\$ 16.00	\$ 160.00	\$ -	\$ 160.00
15	STORM SEWER, TRENCHED, RCP, CL3, 15"	LF	2,721.0		\$ 95.00	\$ 258,495.00	\$ -	\$ 258,495.00
16	STORM SEWER, TRENCHED, GASKETED RCP, CL3, 15"	LF	429.0		\$ 95.00	\$ 40,755.00	\$ -	\$ 40,755.00
17	STORM SEWER, TRENCHED, RCP, CL5, 15"	LF	59.0		\$ 105.00	\$ 6,195.00	\$ -	\$ 6,195.00
18	STORM SEWER, TRENCHED, GASKETED RCP, CL5, 15"	LF	195.0		\$ 105.00	\$ 20,475.00	\$ -	\$ 20,475.00
19	STORM SEWER, TRENCHED, RCP, CL3, 18"	LF	1,710.0		\$ 105.00	\$ 179,550.00	\$ -	\$ 179,550.00
20	STORM SEWER, TRENCHED, GASKETED RCP, CL3, 18"	LF	109.0		\$ 105.00	\$ 11,445.00	\$ -	\$ 11,445.00
21	STORM SEWER, TRENCHED, RCP, CL3, 24"	LF	1,010.0		\$ 130.00	\$ 131,300.00	\$ -	\$ 131,300.00
22	STORM SEWER, TRENCHED, GASKETED, RCP, CL3, 24"	LF	24.0		\$ 130.00	\$ 3,120.00	\$ -	\$ 3,120.00
23	STORM SEWER, TRENCHED, RCP, CL3, 30"	LF	947.0		\$ 150.00	\$ 142,050.00	\$ -	\$ 142,050.00
24	STORM SEWER, TRENCHED, GASKETED, RCP, CL3, 30"	LF	26.0		\$ 150.00	\$ 3,900.00	\$ -	\$ 3,900.00
25	STORM SEWER, TRENCHED, RCP, CL3, 36"	LF	964.0		\$ 180.00	\$ 173,520.00	\$ -	\$ 173,520.00
26	STORM SEWER, TRENCHED, DI, CL52, 12"	LF	36.0		\$ 130.00	\$ 4,680.00	\$ -	\$ 4,680.00
27	STORM SEWER, TRENCHED, DI, CL52, 14"	LF	79.0		\$ 150.00	\$ 11,850.00	\$ -	\$ 11,850.00
28	STORM SEWER, TRENCHED, DI, CL52, 16"	LF	54.0		\$ 170.00	\$ 9,180.00	\$ -	\$ 9,180.00
29	STORM SEWER, TRENCHLESS, JACKING PIPE, 18"	LF	92.0		\$ 1,000.00	\$ 92,000.00	\$ -	\$ 92,000.00
30	STORM SEWER, TRENCHLESS, RCP, JACKING PIPE, 30", GASKETED	LF	83.0		\$ 1,500.00	\$ 124,500.00	\$ -	\$ 124,500.00
31	* REMOVAL OF STORM SEWER, VCP OR RCP, 6" TO 15"	LF	648.0		\$ 15.00	\$ 9,720.00	\$ -	\$ 9,720.00
32	* STORM SEWER ABANDONMENT, FILLED PLUG	LF	117.0		\$ 25.00	\$ 2,925.00	\$ -	\$ 2,925.00
33	MANHOLE, SW 401, 48"	EA	17.0		\$ 5,000.00	\$ 85,000.00	\$ -	\$ 85,000.00
34	MANHOLE, SW 401, 60"	EA	3.0		\$ 5,500.00	\$ 16,500.00	\$ -	\$ 16,500.00
35	MANHOLE, SW 401, 72"	EA	5.0		\$ 8,500.00	\$ 42,500.00	\$ -	\$ 42,500.00
36	MANHOLE, SW 401, 84"	EA	4.0		\$ 10,000.00	\$ 40,000.00	\$ -	\$ 40,000.00
37	INTAKE, SW 501	EA	33.0		\$ 5,500.00	\$ 181,500.00	\$ -	\$ 181,500.00
38	INTAKE, SW 501 MOD	EA	3.0		\$ 6,000.00	\$ 18,000.00	\$ -	\$ 18,000.00
39	INTAKE, SW 502, 48"	EA	4.0		\$ 6,000.00	\$ 24,000.00	\$ -	\$ 24,000.00
40	INTAKE, SW 502, 60"	EA	3.0		\$ 4,000.00	\$ 12,000.00	\$ -	\$ 12,000.00
41	INTAKE, SW 502, 72"	EA	2.0		\$ 7,500.00	\$ 15,000.00	\$ -	\$ 15,000.00
42	INTAKE, SW 505	EA	11.0		\$ 8,500.00	\$ 93,500.00	\$ -	\$ 93,500.00
43	INTAKE, SW 507	EA	1.0		\$ 8,000.00	\$ 8,000.00	\$ -	\$ 8,000.00
44	PIPE APRON, 24" RCP, CL4	EA	1.0		\$ 1,500.00	\$ 1,500.00	\$ -	\$ 1,500.00
45	MANHOLE ADJUSTMENT, MINOR	EA	8.0		\$ 1,500.00	\$ 12,000.00	\$ -	\$ 12,000.00
46	MANHOLE ADJUSTMENT, MAJOR	EA	8.0		\$ 2,000.00	\$ 16,000.00	\$ -	\$ 16,000.00
47	CONNECTION TO EXISTING INTAKE/MANHOLE	EA	2.0		\$ 1,000.00	\$ 2,000.00	\$ -	\$ 2,000.00
48	* REMOVE MANHOLE	EA	5.0		\$ 1,000.00	\$ 5,000.00	\$ -	\$ 5,000.00
49	* REMOVE INTAKE	EA	33.0		\$ 700.00	\$ 23,100.00	\$ -	\$ 23,100.00
50	PAVEMENT, PCC, 6"	SY	65.0		\$ 42.00	\$ 2,730.00	\$ -	\$ 2,730.00
51	PAVEMENT, PCC, 8"	SY	54.0	51.0	\$ 45.00	\$ 2,430.00	\$ 2,295.00	\$ 4,725.00
52	PAVEMENT, PCC, FOR COMPOSITE SECTION	SY	3,591.0		\$ 72.00	\$ 258,552.00	\$ -	\$ 258,552.00
53	RIBBON CURB, PCC, 9", 1'-6" WIDE	LF	582.0		\$ 45.00	\$ 26,190.00	\$ -	\$ 26,190.00
54	CURB AND GUTTER, PCC, 9", 1'-6" WIDE	LF	1,971.0		\$ 50.00	\$ 98,550.00	\$ -	\$ 98,550.00
55	CURB AND GUTTER, PCC, 6", 2'-6" WIDE	LF	5,342.0		\$ 45.00	\$ 240,390.00	\$ -	\$ 240,390.00
56	CURB AND GUTTER, PCC, 6", 2'-6" WIDE	LF	2,049.0	10.0	\$ 50.00	\$ 102,450.00	\$ 500.00	\$ 102,950.00
57	CURB AND GUTTER, PCC, 9", 2'-6" WIDE	LF	70.0		\$ 55.00	\$ 3,850.00	\$ -	\$ 3,850.00
58	PAVEMENT, HMA LT, BASE COURSE	TONS	1,957.0	4.0	\$ 105.00	\$ 205,485.00	\$ 420.00	\$ 205,905.00
59	PAVEMENT, HMA LT, SURFACE COURSE	TONS	1,690.0	4.0	\$ 110.00	\$ 185,900.00	\$ 440.00	\$ 186,340.00
60	* REMOVAL OF SIDEWALK	SY	2,166.0		\$ 10.00	\$ 21,660.00	\$ -	\$ 21,660.00
61	* REMOVAL OF DRIVEWAY	SY	760.0		\$ 12.00	\$ 9,120.00	\$ -	\$ 9,120.00
62	SIDEWALK, PCC, 4" THICK	SY	1,682.0	3.0	\$ 55.00	\$ 92,510.00	\$ 165.00	\$ 92,675.00
63	SIDEWALK, PCC, 6" THICK	SY	385.0		\$ 65.00	\$ 25,025.00	\$ -	\$ 25,025.00
64	DETECTABLE WARNING	SF	683.0		\$ 45.00	\$ 30,735.00	\$ -	\$ 30,735.00
65	DRIVEWAY, PCC, 6" THICK	SY	782.0		\$ 60.00	\$ 46,920.00	\$ -	\$ 46,920.00

6B

ITEM	DESCRIPTION	ESTIMATED UNITS			DIVISION 1 CITY OF DM AMOUNT TOTAL	DIVISION 2 DMWW AMOUNT TOTAL	PROJECT AMOUNT TOTAL	
		UNIT	DIVISION 1 CITY OF DM	DIVISION 2 DMWW				UNIT PRICE
66	DRIVEWAY, GRANULAR	TON	200.0		\$ 35.00	\$ 7,000.00	\$ -	\$ 7,000.00
67	FULL DEPTH PATCH, COMPOSITE SECTIONS	SY	200.0		\$ 350.00	\$ 70,000.00	\$ -	\$ 70,000.00
68 *	PAVEMENT SCARIFICATION	SY	1,900.0		\$ 40.00	\$ 76,000.00	\$ -	\$ 76,000.00
69 *	PAVEMENT REMOVAL	SY	17,320.0		\$ 11.00	\$ 190,520.00	\$ -	\$ 190,520.00
70 *	TRAFFIC CONTROL	LS	1.0		\$ 30,000.00	\$ 30,000.00	\$ -	\$ 30,000.00
71 *	SOD	SQ	1,110.0		\$ 70.00	\$ 77,700.00	\$ -	\$ 77,700.00
72 *	STORMWATER POLLUTION PREVENTION	LS	1.0		\$ 10,000.00	\$ 10,000.00	\$ -	\$ 10,000.00
73 *	FILTER SOCK, 9" DIA	LF	4,340.0		\$ 7.00	\$ 30,380.00	\$ -	\$ 30,380.00
74 *	FILTER SOCK REMOVAL	LF	4,340.0		\$ 1.00	\$ 4,340.00	\$ -	\$ 4,340.00
75 *	INLET PROTECTION DEVICE	EA	78.0		\$ 250.00	\$ 19,500.00	\$ -	\$ 19,500.00
76	CHAIN LINK FENCE, 48", SALVAGE, REPLACE	LF	40.0		\$ 25.00	\$ 1,000.00	\$ -	\$ 1,000.00
77	DECORATIVE FENCE, SALVAGE, REPLACE	LF	10.0		\$ 75.00	\$ 750.00	\$ -	\$ 750.00
78	LIMESTONE RETAINING WALL, SALVAGE, RESTACK	SF	20.0		\$ 55.00	\$ 1,100.00	\$ -	\$ 1,100.00
79	COMBINED CONCRETE SIDEWALK AND RETAINING WALL	CY	8.6		\$ 1,100.00	\$ 7,260.00	\$ -	\$ 7,260.00
80 *	REMOVAL OF STEPS	LS	1.0		\$ 2,500.00	\$ 2,500.00	\$ -	\$ 2,500.00
81 *	REMOVAL OF PCC RETAINING WALLS	LS	1.0		\$ 2,500.00	\$ 2,500.00	\$ -	\$ 2,500.00
82 *	CONSTRUCTION STAKING	LS	1.0		\$ 75,000.00	\$ 75,000.00	\$ -	\$ 75,000.00
83 *	MOBILIZATION	LS	1.0		\$ 200,904.00	\$ 200,904.00	\$ -	\$ 200,904.00
84 *	TREE PROTECTION FENCE, 4' HIGH	LF	415.0		\$ 8.00	\$ 3,320.00	\$ -	\$ 3,320.00
85 *	TREE TRUNK PROTECTION	EA	19.0		\$ 500.00	\$ 9,500.00	\$ -	\$ 9,500.00
86 *	TREE ROOT GRINDING	EA	1.0		\$ 250.00	\$ 250.00	\$ -	\$ 250.00
87 *	TREE TRIMMING	EA	4.0		\$ 250.00	\$ 1,000.00	\$ -	\$ 1,000.00
88 *	MAINTENANCE OF SOLID WASTE COLLECTION	LS	1.0		\$ 15,000.00	\$ 15,000.00	\$ -	\$ 15,000.00
89 *	TEMPORARY MAILBOXES	EA	21.0		\$ 150.00	\$ 3,150.00	\$ -	\$ 3,150.00
90 *	GREEN INFRASTRUCTURE EARTHWORK	LS	1.0		\$ 101,850.00	\$ 101,850.00	\$ -	\$ 101,850.00
91 *	COMBINATION CURB CUT/SEDIMENT TRAP	EA	3.0		\$ 1,000.00	\$ 3,000.00	\$ -	\$ 3,000.00
92 *	FINAL LANDSCAPE GRADING	SY	2,044.0		\$ 2.50	\$ 5,110.00	\$ -	\$ 5,110.00
93 *	PLANTING MEDIA & BED PREPARATION	SY	180.0		\$ 7.00	\$ 1,260.00	\$ -	\$ 1,260.00
94	TAP STORM HANDHOLE FOR UNDERDRAIN	EA	14.0		\$ 250.00	\$ 3,500.00	\$ -	\$ 3,500.00
95	THICKENED CONCRETE EDGE	LF	172.0		\$ 40.00	\$ 6,880.00	\$ -	\$ 6,880.00
96	UNDERDRAIN CLEANOUT	EA	10.0		\$ 800.00	\$ 8,000.00	\$ -	\$ 8,000.00
97 *	DRAINAGE/FILTER AGGREGATE	TON	880.0		\$ 65.00	\$ 57,200.00	\$ -	\$ 57,200.00
98 *	GEOTEXTILE	SY	3,605.0		\$ 10.00	\$ 36,050.00	\$ -	\$ 36,050.00
99 *	RUBBER MEMBRANE	SY	703.0		\$ 40.00	\$ 28,120.00	\$ -	\$ 28,120.00
100 *	SLOTTED UNDERDRAIN - 6" PIPE	LF	2,175.0		\$ 30.00	\$ 65,250.00	\$ -	\$ 65,250.00
101 *	SOLID UNDERDRAIN - 6" PIPE	LF	275.0		\$ 22.00	\$ 6,050.00	\$ -	\$ 6,050.00
102 *	STORAGE AGGREGATE	TON	1,021.0		\$ 50.00	\$ 51,050.00	\$ -	\$ 51,050.00
103	PERMEABLE CONCRETE PAVERS WITH BEDDING	SF	19,015.0		\$ 10.00	\$ 190,150.00	\$ -	\$ 190,150.00
104 *	SLOTTED UNDERDRAIN - 8" PIPE	LF	345.0		\$ 33.00	\$ 11,385.00	\$ -	\$ 11,385.00
105 *	SOLID UNDERDRAIN - 8" PIPE	LF	55.0		\$ 25.00	\$ 1,375.00	\$ -	\$ 1,375.00
106 *	BIORETENTION AMENDED SOIL	CY	219.0		\$ 80.00	\$ 17,520.00	\$ -	\$ 17,520.00
107 *	GRAVEL SUMP	EA	48.0		\$ 300.00	\$ 14,400.00	\$ -	\$ 14,400.00
108 *	PLANTING SOIL MIX	CY	200.0		\$ 70.00	\$ 14,000.00	\$ -	\$ 14,000.00
109 *	CANOPY TREE - 2" CALIPER	EA	15.0		\$ 500.00	\$ 7,500.00	\$ -	\$ 7,500.00
110 *	TRANSPLANT EXISTING DECIDUOUS TREE	EA	8.0		\$ 350.00	\$ 2,800.00	\$ -	\$ 2,800.00
111 *	DECIDUOUS SHRUB - 5 GALLON	EA	77.0		\$ 60.00	\$ 4,620.00	\$ -	\$ 4,620.00
112 *	PERENNIAL/ORNAMENTAL GRASSES - 1 GALLON	EA	2,230.0		\$ 18.00	\$ 40,140.00	\$ -	\$ 40,140.00
113 *	GROUND COVER - 4 1/2" POT	EA	1,354.0		\$ 6.00	\$ 8,124.00	\$ -	\$ 8,124.00
114 *	WOOD CHIP MULCH	CY	79.0		\$ 45.00	\$ 3,555.00	\$ -	\$ 3,555.00
115 *	TIED CONCRETE BLOCK MATTING	SF	210.0		\$ 13.00	\$ 2,730.00	\$ -	\$ 2,730.00
116	LOWER 1" WATER SERVICE	EA	18.0		\$ 500.00	\$ 9,000.00	\$ -	\$ 9,000.00
117	6" TYPE 1 WATER MAIN ALTERATION	EA	0.0	1.0	\$ 9,000.00	\$ -	\$ 9,000.00	\$ 9,000.00
118	8" TYPE 1 WATER MAIN ALTERATION	EA	0.0	2.0	\$ 10,000.00	\$ -	\$ 20,000.00	\$ 20,000.00
119	REMOVE AND REPLACE - HYDRANT (8" WATER MAIN)	EA	0.0	1.0	\$ 10,000.00	\$ -	\$ 10,000.00	\$ 10,000.00
120	REMOVE AND REPLACE - HYDRANT (8" WATER MAIN)	EA	0.0	2.0	\$ 11,000.00	\$ -	\$ 22,000.00	\$ 22,000.00
121	REMOVE AND RELOCATE - HYDRANT (8" WATER MAIN)	EA	0.0	2.0	\$ 12,000.00	\$ -	\$ 24,000.00	\$ 24,000.00
122	REMOVE AND RELOCATE - HYDRANT (8" WATER MAIN)	EA	0.0	3.0	\$ 13,000.00	\$ -	\$ 39,000.00	\$ 39,000.00
123	1" WATER SERVICE TRANSFER (OPPOSITE SIDE)	EA	0.0	1.0	\$ 4,000.00	\$ -	\$ 4,000.00	\$ 4,000.00
124 *	FOUNDATION ROCK	TON	0.0	20.0	\$ 35.00	\$ -	\$ 700.00	\$ 700.00
125 *	MANUFACTURED SAND	TON	0.0	20.0	\$ 35.00	\$ -	\$ 700.00	\$ 700.00

Prepared By: Corey D. Bogenreif, PE

Checked By: \_\_\_\_\_

TOTAL CONSTRUCTION COST

CITY OF DM AMOUNT TOTAL	DMWW AMOUNT TOTAL	PROJECT AMOUNT TOTAL
\$ 5,386,780.00	\$ 133,220.00	\$ 5,520,000.00

\* Item does not have to be included in 4-year maintenance bond, but shall be covered by a 1-year maintenance bond.

\* ESTIMATE TOTAL

\$ 1,828,908.00