

DATE July 26, 2010

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON RIVERPOINT TRUNK SEWER SEPARATION AND PUMP STATIONS; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS CORELL CONTRACTOR, INC., GRANT S. CORELL, PRESIDENT, \$3,371,652.94

WHEREAS, on June 28, 2010, under Roll Call No. 10-1017, plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of construction cost were filed with the City Clerk, for the construction of the following improvement:

Riverpoint Trunk Sewer Separation and Pump Stations, 07-2010-005

I-JOBS

The improvement includes construction of two sanitary pump stations (Riverpoint Pump Station - Dart Way west of S.W. 9th Street and Principal Park Pump Station - S.W. 3rd Street near Raccoon River), separating combined sanitary/storm sewer flows on Murphy Street from S.W. 5th to S.W. 9th Streets, and miscellaneous associated work including cleanup and other incidental items; in accordance with the contract documents, including Plans File Nos. 521- 007/074, 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 Jurisdictional Engineer's estimate of construction cost for said improvement be closed; and that said plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of construction cost are hereby approved as the plans, specifications, form of contract documents, and Jurisdictional 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:

- | | |
|-------------------------|---------------------|
| Corell Contractor, Inc. | West Des Moines, IA |
| Geislinger & Sons Inc. | Watkins, MN |
| H & W Contracting LLC | Sioux Falls, SD |

which were received and opened at a public meeting presided over by the Jurisdictional Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa at 11:00 a.m. on July 13, 2010. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

DATE July 26, 2010

BE IT FURTHER RESOLVED: That the Jurisdictional Engineer has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by Corell Contractor, Inc., Grant S. Corell, President, 1300 Lincoln Street, West Des Moines, IA, 50265 in the amount of \$3,371,652.94, 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.

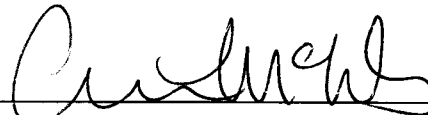
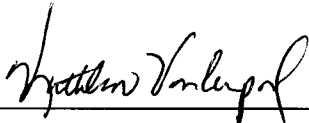
BE IT FURTHER RESOLVED: That the Jurisdictional Engineer is hereby directed to secure execution by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the Jurisdictional Engineer is directed to thereafter present said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

(City Council Communication Number 10-467 attached.)

Moved by _____ to adopt.


FORM APPROVED:

FUNDS AVAILABLE



Kathleen Vanderpool
Deputy City Attorney

Allen McKinley
Des Moines Finance Director

 Funding Source: 2009-2010 CIP, Page SAE-13, Riverpoint Trunk Separation and Pump Station, SAE123, Being: \$1,250,000 targeted I-JOBS funds with the remaining \$2,121,652.94 from Des Moines Sanitary Sewer Funds

★ **Roll Call Number**

Agenda Item Number

48

DATE July 26, 2010

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GRIESS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
TOTAL				

MOTION CARRIED

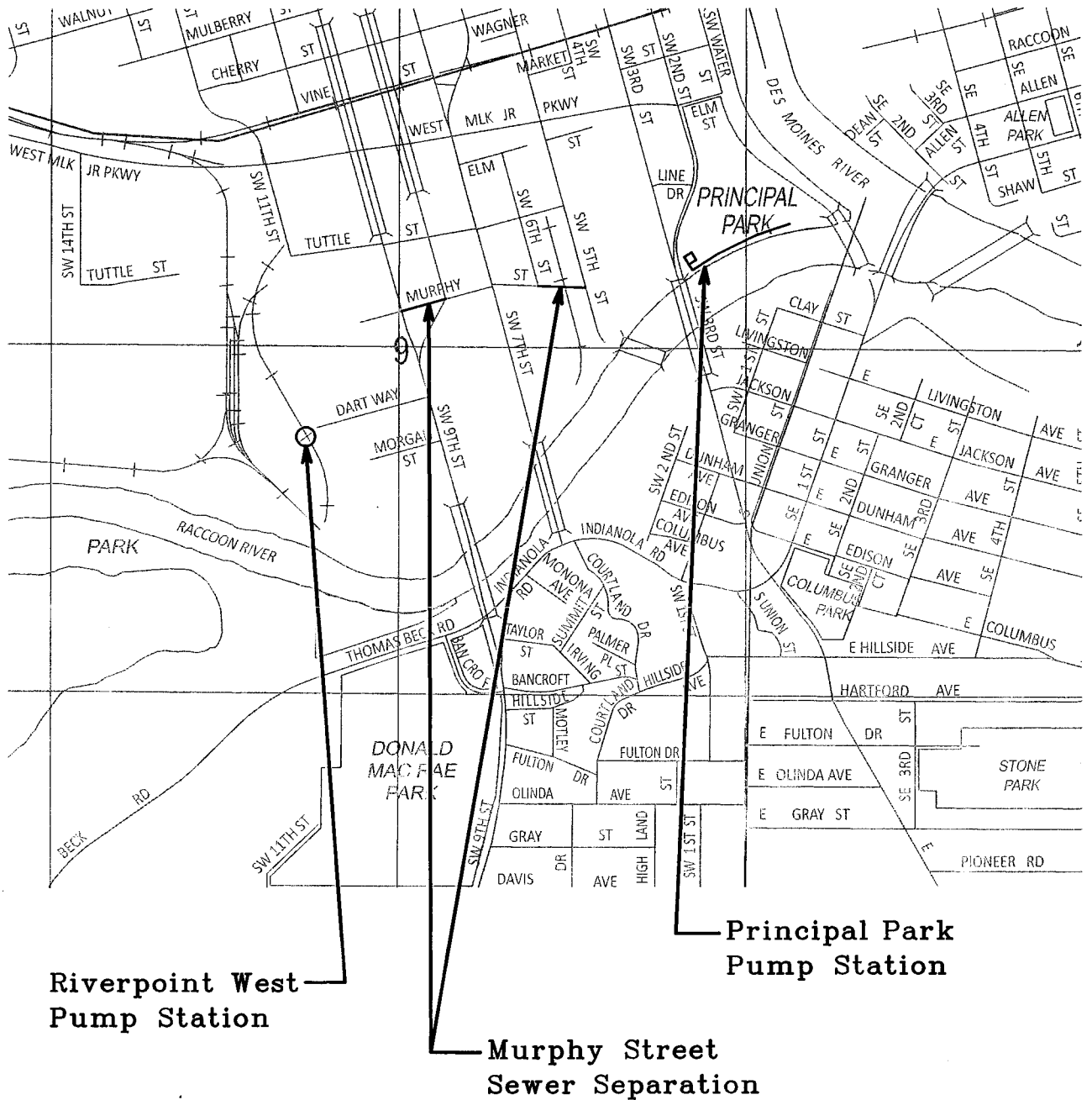
APPROVED

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

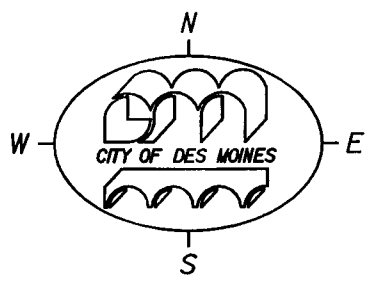


Riverpoint West
Pump Station

Principal Park
Pump Station

Murphy Street
Sewer Separation

RIVERPOINT TRUNK SEWER SEPARATION AND PUMP STATIONS ACTIVITY I.D. 07-2010-005



T:\V\Design\07\2010\005\Drawings\Loc_Map.DWG 09-JUN-2010 12:58

TABULATED BY M. Becker
CHECKED BY John F. McKee
APPROVED BY John F. McKee

CONTRACTOR'S BID TABULATION
PROJECT: Riverpoint Trunk Sewer Separation and Pump Stations

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT		AMOUNT		BID PRICE		BID PRICE		BID PRICE	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
Division 1 - Riverpoint West Pump Station - Bid Items 1.01-1.36												
1.01	MOBILIZATION	1 LS	\$64,759.95	\$64,759.95	\$130,000.00	\$130,000.00	\$50,000.00	\$50,000.00	\$450,000.00	\$450,000.00	\$200,000.00	\$200,000.00
1.02	PROJECT SIGN (LARGE - I JOBS)	1 EACH	\$2,000.00	\$2,000.00	\$900.00	\$900.00	\$2,000.00	\$2,000.00	\$850.00	\$850.00	\$2,000.00	\$2,000.00
1.03	CONSTRUCTION STAKING	1 LS	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00	\$4,000.00	\$4,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
1.04	CLEARING AND GRUBBING	1 LS	\$8,000.00	\$8,000.00	\$21,500.00	\$21,500.00	\$25,000.00	\$25,000.00	\$28,000.00	\$28,000.00	\$25,000.00	\$25,000.00
1.05	STRIPPING, SALVAGING AND SPREADING TOPSOIL	726 CY	\$20.00	\$14,520.00	\$20.00	\$14,520.00	\$3.00	\$2,178.00	\$20.00	\$14,520.00	\$18.00	\$13,176.00
1.06	CLASS 13 EXCAVATION	1863 CY	\$15.00	\$27,945.00	\$17.00	\$31,671.00	\$16.00	\$29,808.00	\$18.00	\$33,534.00	\$18.00	\$33,534.00
1.07	DEWATERING	1 LS	\$150,000.00	\$150,000.00	\$148,500.00	\$148,500.00	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00
1.08	REMOVE AND REPLACE STORM SEWER	120 LF	\$80.00	\$9,600.00	\$138.00	\$16,560.00	\$20.00	\$2,400.00	\$115.00	\$13,800.00	\$115.00	\$13,800.00
1.09	RIP RAP, CLASS E	17 TON	\$50.00	\$850.00	\$70.00	\$1,190.00	\$85.00	\$1,445.00	\$45.00	\$765.00	\$45.00	\$765.00
1.10	TURF REINFORCEMENT MAT	42 SY	\$15.00	\$630.00	\$15.00	\$630.00	\$15.00	\$630.00	\$14.00	\$588.00	\$14.00	\$588.00
1.11	FLOW TRANSITION MAT	11 SY	\$20.00	\$220.00	\$145.00	\$1,595.00	\$140.00	\$1,540.00	\$135.00	\$1,485.00	\$135.00	\$1,485.00
1.12	TEMPORARY EROSION MAT	4362 SY	\$3.00	\$13,086.00	\$3.00	\$13,086.00	\$2.50	\$10,905.00	\$2.65	\$11,559.30	\$2.65	\$11,559.30
1.13	FLUME, PCC, 6"	12 SY	\$125.00	\$1,500.00	\$135.00	\$1,620.00	\$80.00	\$960.00	\$55.00	\$660.00	\$55.00	\$660.00
1.14	CONNECTION TO EXISTING SANITARY SEWERS	2 EACH	\$2,500.00	\$5,000.00	\$6,200.00	\$12,400.00	\$5,000.00	\$10,000.00	\$6,000.00	\$12,000.00	\$6,000.00	\$12,000.00
1.15	12" DIP SANITARY SEWER	183 LF	\$190.00	\$34,770.00	\$698.00	\$127,734.00	\$150.00	\$27,450.00	\$900.00	\$164,700.00	\$900.00	\$164,700.00
1.16	SANITARY MANHOLE, 48" TYPE A MODIFIED	2 EACH	\$5,500.00	\$11,000.00	\$9,725.00	\$19,450.00	\$7,500.00	\$15,000.00	\$25,000.00	\$50,000.00	\$25,000.00	\$50,000.00
1.17	TRENCH STABILIZATION	60 CY	\$30.00	\$1,800.00	\$36.00	\$2,160.00	\$26.00	\$1,560.00	\$60.00	\$3,600.00	\$60.00	\$3,600.00
PUMP STATION AND EQUIPMENT (DOES NOT INCLUDE PUMPS, GENERATOR AND ATS)												
1.18	6" FORCE MAIN	1 LS	\$750,000.00	\$750,000.00	\$615,100.00	\$615,100.00	\$875,000.00	\$875,000.00	\$750,000.00	\$750,000.00	\$750,000.00	\$750,000.00
1.19	VIDEO INSPECTION	68 LF	\$45.00	\$3,060.00	\$103.00	\$7,004.00	\$60.00	\$4,080.00	\$120.00	\$8,160.00	\$120.00	\$8,160.00
1.20	BORING, 20" DIA. STEEL CASING	242 LF	\$5.00	\$1,210.00	\$8.00	\$1,936.00	\$5.00	\$1,210.00	\$5.00	\$1,210.00	\$5.00	\$1,210.00
1.21	CORE OUT EXCAVATION	30 LF	\$550.00	\$16,500.00	\$1,720.00	\$51,600.00	\$350.00	\$10,500.00	\$1,875.00	\$56,250.00	\$1,875.00	\$56,250.00
1.22	SELECT BACKFILL	100 CY	\$10.00	\$1,000.00	\$15.50	\$1,550.00	\$14.00	\$1,400.00	\$38.00	\$3,800.00	\$38.00	\$3,800.00
1.23	DRILL AND DOWEL PAVEMENT	100 CY	\$15.00	\$1,500.00	\$24.00	\$2,400.00	\$16.00	\$1,600.00	\$18.00	\$1,800.00	\$18.00	\$1,800.00
1.24	DRIVEWAY, PCC, 10"	21 LF	\$15.00	\$315.00	\$16.00	\$336.00	\$30.00	\$630.00	\$25.00	\$525.00	\$25.00	\$525.00
1.25	TRAFFIC CONTROL	150 SY	\$60.00	\$9,000.00	\$74.00	\$11,100.00	\$90.00	\$13,500.00	\$90.00	\$13,500.00	\$90.00	\$13,500.00
1.26	SEEDING AND FERTILIZING	1 LS	\$3,000.00	\$3,000.00	\$800.00	\$800.00	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
1.27	HYDROMULCHING	0.9 ACRE	\$1,500.00	\$1,350.00	\$3,660.00	\$3,294.00	\$3,600.00	\$3,240.00	\$3,500.00	\$3,150.00	\$3,500.00	\$3,150.00
1.28	SILT FENCE	1.8 ACRE	\$1,500.00	\$2,700.00	\$1,500.00	\$2,700.00	\$1,500.00	\$2,700.00	\$1,500.00	\$2,700.00	\$1,500.00	\$2,700.00
1.29	SILT FENCE REMOVAL	540 LF	\$2.00	\$1,080.00	\$2.10	\$1,134.00	\$2.00	\$1,080.00	\$2.00	\$1,080.00	\$2.00	\$1,080.00
1.30	EROSION CONTROL	540 LF	\$1.00	\$540.00	\$0.50	\$270.00	\$0.50	\$270.00	\$0.40	\$216.00	\$0.40	\$216.00
1.31	TREE PROTECTION	1 LS	\$10,000.00	\$10,000.00	\$4,725.00	\$4,725.00	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500.00	\$4,500.00	\$4,500.00
1.32	TREE PROTECTION FENCE	1 LS	\$3,000.00	\$3,000.00	\$1,155.00	\$1,155.00	\$2,500.00	\$2,500.00	\$1,200.00	\$1,200.00	\$1,200.00	\$1,200.00
1.33	WASTEWATER PUMPS AND APPURTENANT EQUIPMENT	350 LF	\$2.00	\$700.00	\$2.10	\$735.00	\$2.00	\$700.00	\$2.00	\$700.00	\$2.00	\$700.00
1.34	ENGINE GENERATOR AND AUTOMATIC TRANSFER SWITCH (ATS)	1 LS	\$28,915.00	\$28,915.00	\$28,915.00	\$28,915.00	\$28,915.00	\$28,915.00	\$28,915.00	\$28,915.00	\$28,915.00	\$28,915.00
1.35	ENGINE GENERATOR AND ATS INSTALLATION	1 LS	\$51,449.05	\$51,449.05	\$51,449.05	\$51,449.05	\$51,449.05	\$51,449.05	\$51,449.05	\$51,449.05	\$51,449.05	\$51,449.05
1.36	Division 2 - Principal Park Pump Station - Bid Items 2.01-2.39	1 LS	\$4,000.00	\$4,000.00	\$7,770.00	\$7,770.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
2.01	MOBILIZATION	1 LS	\$64,515.21	\$64,515.21	\$98,000.00	\$98,000.00	\$50,000.00	\$50,000.00	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00
2.02	PROJECT SIGN (LARGE - I JOBS)	1 EACH	\$2,000.00	\$2,000.00	\$900.00	\$900.00	\$2,000.00	\$2,000.00	\$850.00	\$850.00	\$2,000.00	\$2,000.00

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ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
2.03	CONSTRUCTION STAKING	1 LS	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$3,500.00	\$3,500.00	\$3,000.00	\$3,000.00
2.04	CLEARING AND GRUBBING	1 LS	\$2,500.00	\$2,500.00	\$1,050.00	\$1,050.00	\$750.00	\$750.00	\$450.00	\$450.00
2.05	STRIPPING, SALVAGING AND SPREADING TOPSOIL	510 CY	\$12.00	\$6,120.00	\$20.00	\$10,200.00	\$3.00	\$1,530.00	\$20.00	\$10,200.00
2.06	DEWATERING	1 LS	\$100,000.00	\$100,000.00	\$80,000.00	\$80,000.00	\$100,000.00	\$100,000.00	\$50,000.00	\$50,000.00
2.07	BYPASS PUMPING	1 LS	\$5,000.00	\$5,000.00	\$5,200.00	\$5,200.00	\$6,500.00	\$6,500.00	\$5,000.00	\$5,000.00
2.08	PLUGGING OF ABANDONED 3'X4' COMBINED SEWER (SHEET D2.06)	5 EACH	\$1,000.00	\$5,000.00	\$2,500.00	\$12,500.00	\$1,850.00	\$9,250.00	\$900.00	\$4,500.00
2.09	SEWER, CLASS 3 RCP STORM, 12"	40 LF	\$50.00	\$2,000.00	\$91.00	\$3,640.00	\$40.00	\$1,600.00	\$100.00	\$4,000.00
2.10	STORM MANHOLE, TYPE M-A, 48"	1 EACH	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$5,500.00	\$5,500.00	\$8,000.00	\$8,000.00
2.11	APRON, 12" RCP WITH FOOTING	1 EACH	\$1,500.00	\$1,500.00	\$1,650.00	\$1,650.00	\$4,500.00	\$4,500.00	\$3,000.00	\$3,000.00
2.12	RIP RAP, CLASS E	22 TON	\$50.00	\$1,100.00	\$44.00	\$968.00	\$85.00	\$1,870.00	\$40.00	\$880.00
2.13	6" PVC SANITARY SEWER (OPEN CUT)	31 LF	\$110.00	\$3,410.00	\$115.00	\$3,565.00	\$80.00	\$2,480.00	\$200.00	\$6,200.00
2.14	8" PVC SANITARY SEWER (OPEN CUT)	93 LF	\$120.00	\$11,160.00	\$128.00	\$11,904.00	\$100.00	\$9,300.00	\$210.00	\$19,530.00
2.15	12" PVC SANITARY SEWER (OPEN CUT)	462 LF	\$150.00	\$69,300.00	\$116.00	\$53,592.00	\$110.00	\$50,820.00	\$265.00	\$122,430.00
2.16	8" PVC SANITARY SEWER (DIRECTIONALLY DRILLED)	350 LF	\$160.00	\$56,000.00	\$169.00	\$59,150.00	\$150.00	\$52,500.00	\$240.00	\$84,000.00
2.17	SANITARY MANHOLE, 48" TYPE A MODIFIED	4 EACH	\$5,500.00	\$22,000.00	\$6,350.00	\$25,400.00	\$6,500.00	\$26,000.00	\$8,500.00	\$34,000.00
2.18	TRENCH STABILIZATION	150 CY	\$30.00	\$4,500.00	\$36.50	\$5,475.00	\$26.00	\$3,900.00	\$60.00	\$9,000.00
2.19	DROP CONNECTION	1 EACH	\$2,500.00	\$2,500.00	\$3,600.00	\$3,600.00	\$5,500.00	\$5,500.00	\$4,500.00	\$4,500.00
PUMP STATION AND EQUIPMENT (DOES NOT INCLUDE PUMPS,										
2.20	GENERATOR AND ATS)	1 LS	\$680,000.00	\$680,000.00	\$525,500.00	\$525,500.00	\$820,000.00	\$820,000.00	\$450,000.00	\$450,000.00
2.21	6" PVC FORCE MAIN, OPEN CUT	43 LF	\$40.00	\$1,720.00	\$121.00	\$5,203.00	\$89.00	\$3,827.00	\$98.00	\$4,214.00
2.22	6" PVC FORCE MAIN, DIRECTIONALLY DRILLED	190 LF	\$80.00	\$15,200.00	\$142.00	\$26,980.00	\$99.00	\$18,810.00	\$195.00	\$37,050.00
2.23	CONNECTION TO WRA STRUCTURE	1 LS	\$5,000.00	\$5,000.00	\$5,400.00	\$5,400.00	\$7,500.00	\$7,500.00	\$5,000.00	\$5,000.00
2.24	VIDEO INSPECTION	936 LF	\$5.00	\$4,680.00	\$2.00	\$1,872.00	\$5.00	\$4,680.00	\$5.00	\$4,680.00
2.25	CORE OUT EXCAVATION	140 CY	\$10.00	\$1,400.00	\$22.00	\$3,080.00	\$14.00	\$1,960.00	\$38.00	\$5,320.00
2.26	SELECT BACKFILL	140 CY	\$15.00	\$2,100.00	\$24.50	\$3,430.00	\$16.00	\$2,240.00	\$16.00	\$2,240.00
2.27	SIDEWALK, HMA, 6" - 1/2" 300K ESAL SURFACE PG58-28	226 SY	\$70.00	\$15,820.00	\$66.50	\$15,029.00	\$42.00	\$9,492.00	\$38.00	\$8,588.00
2.28	SIDEWALK, PCC, 6"	422 SY	\$60.00	\$25,320.00	\$61.00	\$25,742.00	\$45.00	\$18,990.00	\$42.00	\$17,724.00
2.29	GRIND DOWN CURB AND GUTTER	14 LF	\$15.00	\$210.00	\$26.50	\$371.00	\$20.00	\$280.00	\$65.00	\$910.00
2.30	PAVEMENT REMOVAL	648 SY	\$12.00	\$7,776.00	\$9.50	\$6,156.00	\$6.00	\$3,888.00	\$12.00	\$7,776.00
2.31	TRAFFIC CONTROL	1 LS	\$3,000.00	\$3,000.00	\$800.00	\$800.00	\$1,500.00	\$1,500.00	\$800.00	\$800.00
2.32	SODDING	275 SQ	\$50.00	\$13,750.00	\$36.00	\$9,900.00	\$36.00	\$9,900.00	\$34.00	\$9,350.00
2.33	SILT FENCE	970 LF	\$2.00	\$1,940.00	\$2.10	\$2,037.00	\$2.00	\$1,940.00	\$2.00	\$1,940.00
2.34	SILT FENCE REMOVAL	970 LF	\$1.00	\$970.00	\$0.50	\$485.00	\$0.50	\$485.00	\$0.40	\$388.00
2.35	TREE PROTECTION	1 LS	\$1,000.00	\$1,000.00	\$840.00	\$840.00	\$800.00	\$800.00	\$800.00	\$800.00
2.36	TREE PROTECTION FENCE	540 LF	\$2.00	\$1,080.00	\$2.10	\$1,134.00	\$2.00	\$1,080.00	\$2.00	\$1,080.00
2.37	WASTEWATER PUMPS AND APPURTENANT EQUIPMENT	1 LS	\$21,835.00	\$21,835.00	\$21,835.00	\$21,835.00	\$21,835.00	\$21,835.00	\$21,835.00	\$21,835.00
2.38	ENGINE GENERATOR AND AUTOMATIC TRANSFER SWITCH (ATS)	1 LS	\$50,093.79	\$50,093.79	\$50,093.79	\$50,093.79	\$50,093.79	\$50,093.79	\$50,093.79	\$50,093.79
2.39	ENGINE GENERATOR AND ATS INSTALLATION	1 LS	\$4,000.00	\$4,000.00	\$8,400.00	\$8,400.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
Division 3 - Murphy Street Sewer Separation - Bid Items 3.01-3.57										
3.01	MOBILIZATION	1 LS	\$45,673.00	\$45,673.00	\$35,670.00	\$35,670.00	\$50,000.00	\$50,000.00	\$225,000.00	\$225,000.00
3.02	PROJECT SIGN (LARGE - 1 JOBS)	1 EACH	\$2,000.00	\$2,000.00	\$900.00	\$900.00	\$2,000.00	\$2,000.00	\$850.00	\$850.00
3.03	CONSTRUCTION STAKING	1 LS	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
3.04	CLEARING AND GRUBBING	1 LS	\$5,000.00	\$5,000.00	\$1,050.00	\$1,050.00	\$650.00	\$650.00	\$500.00	\$500.00
3.05	STRIPPING, SALVAGING AND SPREADING TOPSOIL	315 CY	\$10.00	\$3,150.00	\$17.00	\$5,355.00	\$3.00	\$945.00	\$20.00	\$6,300.00
3.06	DEWATERING	1 LS	\$75,000.00	\$75,000.00	\$30,000.00	\$30,000.00	\$0.01	\$0.01	\$50,000.00	\$50,000.00
3.07	BYPASS PUMPING	1 LS	\$5,000.00	\$5,000.00	\$5,800.00	\$5,800.00	\$8,500.00	\$8,500.00	\$10,000.00	\$10,000.00
3.08	REMOVAL OF EXISTING STORM STRUCTURE	6 EACH	\$1,000.00	\$6,000.00	\$1,350.00	\$8,100.00	\$250.00	\$1,500.00	\$1,200.00	\$7,200.00
3.09	REMOVAL OF EXISTING STORM SEWER < 36"	200 LF	\$40.00	\$8,000.00	\$43.50	\$8,700.00	\$15.00	\$3,000.00	\$30.00	\$6,000.00
3.10	PLUGGING OF ABANDONED COMBINED SEWER	40 CY	\$250.00	\$10,000.00	\$220.00	\$8,800.00	\$300.00	\$12,000.00	\$500.00	\$20,000.00
3.11	SEWER, CLASS 3 RCP STORM, 15"	90 LF	\$50.00	\$4,500.00	\$120.00	\$10,800.00	\$50.00	\$4,500.00	\$130.00	\$11,700.00
3.12	SEWER, CLASS 3 RCP STORM, 30"	30 LF	\$80.00	\$2,400.00	\$156.00	\$4,680.00	\$68.00	\$2,040.00	\$170.00	\$5,100.00

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
3.13	SEWER, CLASS 3 RCP STORM, 36"	370 LF	\$90.00	\$33,300.00	\$186.00	\$68,820.00	\$90.00	\$33,300.00	\$180.00	\$66,600.00
3.14	CONNECTION TO EXISTING, STORM	4 EACH	\$2,000.00	\$8,000.00	\$500.00	\$2,000.00	\$1,500.00	\$6,000.00	\$4,000.00	\$16,000.00
3.15	STORM MANHOLE, TYPE M-A, 60"	2 EACH	\$6,000.00	\$12,000.00	\$6,450.00	\$12,900.00	\$7,500.00	\$15,000.00	\$8,500.00	\$17,000.00
3.16	INTAKE, TYPE M-D	1 EACH	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00
3.17	INTAKE, TYPE M-E	4 EACH	\$6,500.00	\$26,000.00	\$8,000.00	\$32,000.00	\$10,000.00	\$40,000.00	\$7,800.00	\$31,200.00
3.18	SUBDRAIN, LOGNITUDINAL, 6"	410 LF	\$20.00	\$8,200.00	\$18.00	\$7,380.00	\$5.00	\$2,050.00	\$29.00	\$11,890.00
3.19	SUBDRAIN OUTLET	6 EACH	\$400.00	\$2,400.00	\$300.00	\$1,800.00	\$550.00	\$3,300.00	\$900.00	\$5,400.00
3.20	REMOVAL OF EXISTING COMBINED SEWER MANHOLE	4 EACH	\$2,500.00	\$10,000.00	\$4,750.00	\$19,000.00	\$750.00	\$3,000.00	\$1,500.00	\$6,000.00
3.21	MODIFY EXISTING COMBINED SEWER MANHOLE	5 EACH	\$1,800.00	\$9,000.00	\$3,000.00	\$15,000.00	\$3,500.00	\$17,500.00	\$2,000.00	\$10,000.00
3.22	CONNECTION TO EXISTING SANITARY SEWERS	8 EACH	\$2,500.00	\$20,000.00	\$2,000.00	\$16,000.00	\$850.00	\$6,800.00	\$3,500.00	\$28,000.00
3.23	6" PVC SANITARY SEWER SERVICE	43 LF	\$110.00	\$4,730.00	\$178.00	\$7,654.00	\$80.00	\$3,440.00	\$200.00	\$8,600.00
3.24	8" PVC SANITARY SEWER	960 LF	\$120.00	\$115,200.00	\$145.00	\$139,200.00	\$65.00	\$62,400.00	\$325.00	\$312,000.00
3.25	15" PVC SANITARY SEWER	36 LF	\$160.00	\$5,760.00	\$285.00	\$10,260.00	\$85.00	\$3,060.00	\$400.00	\$14,400.00
3.26	SANITARY MANHOLE, 48" TYPE A MODIFIED	7 EACH	\$5,500.00	\$38,500.00	\$5,200.00	\$36,400.00	\$4,500.00	\$31,500.00	\$6,500.00	\$45,500.00
3.27	TRENCH STABILIZATION	254 CY	\$30.00	\$7,620.00	\$36.00	\$9,144.00	\$26.00	\$6,604.00	\$60.00	\$15,240.00
3.28	VIDEO INSPECTION	993 LF	\$5.00	\$4,965.00	\$2.00	\$1,986.00	\$5.00	\$4,965.00	\$5.00	\$4,965.00
3.29	DROP CONNECTION	1 EACH	\$2,500.00	\$2,500.00	\$2,600.00	\$2,600.00	\$3,500.00	\$3,500.00	\$4,500.00	\$4,500.00
3.30	BORING 16" DIA. STEEL CASING	130 LF	\$400.00	\$52,000.00	\$705.00	\$91,650.00	\$350.00	\$45,500.00	\$735.00	\$95,550.00
3.31	CORE OUT EXCAVATION	1537 CY	\$10.00	\$15,370.00	\$27.50	\$42,267.50	\$14.00	\$21,518.00	\$38.00	\$58,406.00
3.32	SELECT BACKFILL	1193 CY	\$15.00	\$17,895.00	\$27.00	\$32,211.00	\$16.00	\$19,088.00	\$16.00	\$19,088.00
3.33	FLYASH	100 TON	\$110.00	\$11,000.00	\$113.50	\$11,350.00	\$175.00	\$17,500.00	\$115.00	\$11,500.00
3.34	SUBGRADE PREPARATION	1652 SY	\$6.00	\$9,912.00	\$8.00	\$13,216.00	\$5.00	\$8,260.00	\$7.50	\$12,390.00
3.35	MODIFIED SUBBASE	2185 SY	\$12.00	\$26,220.00	\$9.00	\$19,665.00	\$16.00	\$34,960.00	\$12.50	\$27,312.50
3.36	STANDARD PCC PAVEMENT, CLASS C MIX, 10"	440 SY	\$55.00	\$24,200.00	\$61.00	\$26,840.00	\$90.00	\$39,600.00	\$90.00	\$39,600.00
3.37	STANDARD PCC PAVEMENT, CLASS C MIX, 7"	1212 SY	\$45.00	\$54,540.00	\$47.25	\$57,267.00	\$59.00	\$71,508.00	\$55.00	\$66,660.00
3.38	DRILL AND DOWEL PAVEMENT	680 LF	\$8.00	\$5,440.00	\$8.50	\$5,780.00	\$12.00	\$8,160.00	\$10.00	\$6,800.00
3.39	SIDEWALK, PCC, 4"	130 SY	\$35.00	\$4,550.00	\$33.50	\$4,355.00	\$45.00	\$5,850.00	\$45.00	\$5,850.00
3.40	SIDEWALK, PCC, 6"	40 SY	\$40.00	\$1,600.00	\$42.00	\$1,680.00	\$46.00	\$1,840.00	\$45.00	\$1,800.00
3.41	DETECTABLE WARNINGS, TRUNCATED DOMES	45 SF	\$50.00	\$2,250.00	\$50.50	\$2,272.50	\$35.00	\$1,575.00	\$30.00	\$1,350.00
3.42	DRIVEWAY, PCC, 9"	215 SY	\$50.00	\$10,750.00	\$52.50	\$11,287.50	\$86.00	\$18,490.00	\$85.00	\$18,275.00
3.43	PARKING LOT, PCC, 7"	318 SY	\$45.00	\$14,310.00	\$44.00	\$13,992.00	\$59.00	\$18,762.00	\$58.00	\$18,444.00
3.44	HMA, (3M ESAL) 1/2" SURFACE, PG 64-22	2035 SY	\$35.00	\$71,225.00	\$14.50	\$29,507.50	\$23.00	\$46,805.00	\$23.00	\$46,805.00
3.45	GRANULAR SURFACING, CLASS A CRUSHED STONE	125 TON	\$30.00	\$3,750.00	\$49.00	\$6,125.00	\$35.00	\$4,375.00	\$35.00	\$4,375.00
3.46	PAVEMENT REMOVAL	2185 SY	\$10.00	\$21,850.00	\$11.50	\$25,127.50	\$6.00	\$13,110.00	\$12.00	\$26,220.00
3.47	SIDEWALK REMOVAL	170 SY	\$8.00	\$1,360.00	\$7.75	\$1,317.50	\$5.00	\$850.00	\$8.00	\$1,360.00
3.48	PAVEMENT MILLING	823 SY	\$4.00	\$3,292.00	\$13.00	\$10,699.00	\$6.00	\$4,938.00	\$5.50	\$4,526.50
3.49	TRAFFIC CONTROL	1 LS	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$7,000.00	\$7,000.00	\$9,000.00	\$9,000.00
3.50	PAINTED PAVEMENT MARKINGS	3.5 STA	\$50.00	\$175.00	\$231.00	\$808.50	\$100.00	\$350.00	\$150.00	\$525.00
3.51	SODDING	170 SQ	\$50.00	\$8,500.00	\$36.00	\$6,120.00	\$36.00	\$6,120.00	\$34.00	\$5,760.00
3.52	SILT FENCE	471 LF	\$2.00	\$942.00	\$2.10	\$989.10	\$2.00	\$942.00	\$2.00	\$942.00
3.53	SILT FENCE REMOVAL	471 LF	\$1.00	\$471.00	\$0.50	\$235.50	\$0.50	\$235.50	\$0.40	\$188.40
3.54	INLET PROTECTION DEVICE, FURNISH, INSTALL, AND REMOVE	4 EACH	\$300.00	\$1,200.00	\$180.00	\$720.00	\$170.00	\$680.00	\$175.00	\$700.00
3.55	TYPE "I" INLET FILTER	4 EACH	\$150.00	\$600.00	\$250.00	\$1,000.00	\$250.00	\$1,000.00	\$225.00	\$900.00
3.56	TREE PROTECTION	1 LS	\$1,500.00	\$1,500.00	\$840.00	\$840.00	\$800.00	\$800.00	\$800.00	\$800.00
3.57	TREE PROTECTION FENCE	600 LF	\$2.00	\$1,200.00	\$2.10	\$1,260.00	\$2.00	\$1,200.00	\$2.00	\$1,200.00
TOTAL CONSTRUCTION COST				\$3,330,000.00		\$3,371,652.94		\$3,458,021.35		\$4,579,837.54
PERCENT OF ENGINEER'S ESTIMATE						+1.25%		+3.84%		+37.53%

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