

TABLUTION OF BIDS
ENGINEERING SERVICES - CITY OF CORPUS CHRISTI, TEXAS
RFB 4819

TABULATED BY: CORPUS CHRISTI WATER
 BID DATE: June 21, 2023

ENGINEER'S ESTIMATE: \$2,302,751.00
 COMPLETION: 365 Cal Days

WASTEWATER IDIQ FY2023 CITY PROJECT NO. 23148				National Power Rodding Corp. 9810 FM 969 Austin, TX 78724 P: (512) 928-1420					
ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT
PART A - GENERAL									
A1	MOBILIZATION (MAX. 5%)	LS	1	\$ 100,000.00	\$ 100,000.00				
A2	BONDS AND INSURANCE (MAX. 2%)	AL	1	\$ 40,000.00	\$ 40,000.00				
SUBTOTAL PART A - GENERAL				\$	140,000.00				
PART B - WASTEWATER MANHOLE IMPROVEMENTS									
B-101	FIBERGLASS WWMH - 4 FT DIA. (0'-6' DEPTH)	EA	4	\$ 14,720.00	\$ 58,880.00				
B-102	FIBERGLASS WWMH - 5 FT DIA. (0'-6' DEPTH)	EA	2	\$ 18,630.00	\$ 37,260.00				
B-103	FIBERGLASS WWMH - 6 FT DIA. (0'-6' DEPTH)	EA	1	\$ 33,350.00	\$ 33,350.00				
B-104	FIBERGLASS WWMH - 4 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	20	\$ 908.50	\$ 18,170.00				
B-105	FIBERGLASS WWMH - 5 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	6	\$ 1,212.10	\$ 7,272.60				
B-106	FIBERGLASS WWMH - 6 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	2	\$ 1,406.45	\$ 2,812.90				
B-107	CONCRETE W/ANTI-MICROBIAL WWMH - 4 FT DIA. (0'-6' DEPTH)	EA	10	\$ 12,903.25	\$ 129,032.50				
B-108	CONCRETE W/ANTI-MICROBIAL WWMH - 5 FT DIA. (0'-6' DEPTH)	EA	2	\$ 17,327.50	\$ 34,655.00				
B-109	CONCRETE W/ANTI-MICROBIAL WWMH - 6 FT DIA. (0'-6' DEPTH)	EA	1	\$ 22,700.00	\$ 22,700.00				
B-110	CONCRETE W/ANTI-MICROBIAL WWMH - 4 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	15	\$ 1,014.15	\$ 15,212.25				
B-111	CONCRETE W/ANTI-MICROBIAL WWMH - 5 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	4	\$ 1,630.20	\$ 6,520.80				
B-112	CONCRETE W/ANTI-MICROBIAL WWMH - 6 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	2	\$ 1,944.10	\$ 3,888.20				
B-113	POLYMER CONCRETE WWMH - 4 FT DIA. (0'-6' DEPTH)	EA	4	\$ 13,133.00	\$ 52,532.00				
B-114	POLYMER CONCRETE WWMH - 5 FT DIA. (0'-6' DEPTH)	EA	2	\$ 17,135.00	\$ 34,270.00				
B-115	POLYMER CONCRETE WWMH - 6 FT DIA. (0'-6' DEPTH)	EA	1	\$ 22,195.00	\$ 22,195.00				
B-116	POLYMER CONCRETE WWMH - 4 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	10	\$ 1,003.95	\$ 10,039.50				
B-117	POLYMER CONCRETE WWMH - 5 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	4	\$ 1,639.90	\$ 6,559.60				
B-118	POLYMER CONCRETE WWMH - 6 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	2	\$ 1,853.80	\$ 3,707.60				
B-201	FIBERGLASS WWMH - 4 FT DIA. (0'-6' DEPTH)	EA	4	\$ 17,836.50	\$ 71,346.00				

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B-202	FIBERGLASS WWMH - 5 FT DIA. (0'-6' DEPTH)	EA	2	\$ 19,941.00	\$ 39,882.00				
B-203	FIBERGLASS WWMH - 6 FT DIA. (0'-6' DEPTH)	EA	1	\$ 23,598.00	\$ 23,598.00				
B-204	FIBERGLASS WWMH - 4 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	12	\$ 980.95	\$ 11,771.40				
B-205	FIBERGLASS WWMH - 5 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	6	\$ 1,284.55	\$ 7,707.30				
B-206	FIBERGLASS WWMH - 6 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	2	\$ 1,478.90	\$ 2,957.80				
B-207	CONCRETE W/ANTI-MICROBIAL WWMH - 4 FT DIA. (0'-6' DEPTH)	EA	4	\$ 16,750.00	\$ 67,000.00				
B-208	CONCRETE W/ANTI-MICROBIAL WWMH - 5 FT DIA. (0'-6' DEPTH)	EA	2	\$ 22,962.50	\$ 45,925.00				
B-209	CONCRETE W/ANTI-MICROBIAL WWMH - 6 FT DIA. (0'-6' DEPTH)	EA	1	\$ 31,325.00	\$ 31,325.00				
B-210	CONCRETE W/ANTI-MICROBIAL WWMH - 4 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	12	\$ 1,014.15	\$ 12,169.80				
B-211	CONCRETE W/ANTI-MICROBIAL WWMH - 5 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	6	\$ 1,630.20	\$ 9,781.20				
B-212	CONCRETE W/ANTI-MICROBIAL WWMH - 6 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	2	\$ 1,944.10	\$ 3,888.20				
B-213	POLYMER CONCRETE WWMH - 4 FT DIA. (0'-6' DEPTH)	EA	4	\$ 16,939.50	\$ 67,758.00				
B-214	POLYMER CONCRETE WWMH - 5 FT DIA. (0'-6' DEPTH)	EA	2	\$ 22,655.00	\$ 45,310.00				
B-215	POLYMER CONCRETE WWMH - 6 FT DIA. (0'-6' DEPTH)	EA	1	\$ 30,360.00	\$ 30,360.00				
B-216	POLYMER CONCRETE WWMH - 4 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	12	\$ 1,003.95	\$ 12,047.40				
B-217	POLYMER CONCRETE WWMH - 5 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	6	\$ 1,639.90	\$ 9,839.40				
B-218	POLYMER CONCRETE WWMH - 6 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	2	\$ 1,853.80	\$ 3,707.60				
B-301	NEW RING & COVER, STANDARD - 36" OPENING, 12" CONCRETE COLLAR, CONCRETE ROADWAY	EA	2	\$ 5,623.50	\$ 11,247.00				
B-302	NEW RING & COVER, STANDARD - 36" OPENING, 12" CONCRETE COLLAR, ASPHALT ROADWAY	EA	2	\$ 5,623.50	\$ 11,247.00				
B-303	NEW RING & COVER, STANDARD - 36" OPENING, 12" CONCRETE COLLAR, UNPAVED	EA	2	\$ 5,623.50	\$ 11,247.00				
B-304	NEW RING & COVER, STANDARD - 36" OPENING, DRIVEWAY/SIDEWALK	EA	2	\$ 5,048.50	\$ 10,097.00				
B-305	NEW RING & COVER, STANDARD - 36" OPENING, 18" CONCRETE COLLAR, RAISED PROTECTION	EA	2	\$ 5,911.00	\$ 11,822.00				
B-306	NEW RING & COVER, STANDARD - 30" OPENING, 12" CONCRETE COLLAR, CONCRETE ROADWAY	EA	8	\$ 3,484.50	\$ 27,876.00				
B-307	NEW RING & COVER, STANDARD - 30" OPENING, 12" CONCRETE COLLAR, ASPHALT ROADWAY	EA	8	\$ 3,484.50	\$ 27,876.00				
B-308	NEW RING & COVER, STANDARD - 30" OPENING, 12" CONCRETE COLLAR, UNPAVED	EA	8	\$ 3,484.50	\$ 27,876.00				
B-309	NEW RING & COVER, STANDARD - 30" OPENING, DRIVEWAY/SIDEWALK	EA	2	\$ 2,898.00	\$ 5,796.00				

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B-310	NEW RING & COVER, STANDARD - 30" OPENING, 18" CONCRETE COLLAR, RAISED PROTECTION	EA	8	\$ 3,795.00	\$ 30,360.00				
B-311	NEW RING & COVER, 36" OPENING - UPGRADE TO COMPOSITE MH NEW RING & COVER	EA	2	\$ 8,832.00	\$ 17,664.00				
B-312	NEW RING & COVER, 30" OPENING - UPGRADE TO COMPOSITE MH NEW RING & COVER	EA	4	\$ 4,174.50	\$ 16,698.00				
B-313	MANHOLE RAISED PROTECTION, 18" CONCRETE COLLAR (> 5' ABOVE GROUND ELEVATION)	VF	6	\$ 2,127.50	\$ 12,765.00				
B-401	FIBERGLASS WWMH INSERT - 4 FT DIA. (0'-6' DEPTH)	EA	10	\$ 9,096.50	\$ 90,965.00				
B-402	FIBERGLASS WWMH INSERT - 5 FT DIA. (0'-6' DEPTH)	EA	5	\$ 9,844.00	\$ 49,220.00				
B-403	FIBERGLASS WWMH INSERT - 6 FT DIA. (0'-6' DEPTH)	EA	2	\$ 14,416.40	\$ 28,832.80				
B-404	FIBERGLASS WWMH INSERT - 4 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	5	\$ 966.00	\$ 4,830.00				
B-405	FIBERGLASS WWMH INSERT - 5 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	5	\$ 1,130.45	\$ 5,652.25				
B-406	FIBERGLASS WWMH INSERT - 6 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	5	\$ 1,489.25	\$ 7,446.25				
B-407	CONCRETE W/ANTI-MICROBIAL WWMH INSERT - 4 FT DIA. (0'-6' DEPTH)	EA	10	\$ 11,023.00	\$ 110,230.00				
B-408	CONCRETE W/ANTI-MICROBIAL WWMH INSERT - 5 FT DIA. (0'-6' DEPTH)	EA	5	\$ 16,907.75	\$ 84,538.75				
B-409	CONCRETE W/ANTI-MICROBIAL WWMH INSERT - 6 FT DIA. (0'-6' DEPTH)	EA	2	\$ 22,263.00	\$ 44,526.00				
B-410	CONCRETE W/ANTI-MICROBIAL WWMH INSERT - 4 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	4	\$ 1,014.15	\$ 4,056.60				
B-411	CONCRETE W/ANTI-MICROBIAL WWMH INSERT - 5 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	4	\$ 1,630.20	\$ 6,520.80				
B-412	CONCRETE W/ANTI-MICROBIAL WWMH INSERT - 6 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	4	\$ 1,944.10	\$ 7,776.40				
B-413	POLYMER CONCRETE WWMH INSERT - 4 FT DIA. (0'-6' DEPTH)	EA	1	\$ 11,166.50	\$ 11,166.50				
B-414	POLYMER CONCRETE WWMH INSERT - 5 FT DIA. (0'-6' DEPTH)	EA	1	\$ 16,537.00	\$ 16,537.00				
B-415	POLYMER CONCRETE WWMH INSERT - 6 FT DIA. (0'-6' DEPTH)	EA	1	\$ 21,620.00	\$ 21,620.00				
B-416	POLYMER CONCRETE WWMH INSERT - 4 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	2	\$ 1,003.95	\$ 2,007.90				
B-417	POLYMER CONCRETE WWMH INSERT - 5 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	2	\$ 1,639.90	\$ 3,279.80				
B-418	POLYMER CONCRETE WWMH INSERT - 6 FT DIA. (EXTRA DEPTH, OVER 6' DEPTH)	VF	2	\$ 1,853.80	\$ 3,707.60				
B-501	POLYMERIC COATING SYSTEM (CLASS A) - 4 FT DIA. WWMH	VF	8	\$ 950.00	\$ 7,600.00				
B-502	POLYMERIC COATING SYSTEM (CLASS A) - 5 FT DIA. WWMH	VF	8	\$ 1,025.00	\$ 8,200.00				
B-503	POLYMERIC COATING SYSTEM (CLASS A) - OVER 5 FT DIA. WWMH OR STRUCTURE	SF	250	\$ 70.00	\$ 17,500.00				
B-504	POLYMERIC COATING SYSTEM (CLASS B) - 4 FT DIA. WWMH	VF	8	\$ 400.00	\$ 3,200.00				

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B-505	POLYMERIC COATING SYSTEM (CLASS B) - 5 FT DIA. WWMH	VF	8	\$ 500.00	\$ 4,000.00				
B-506	POLYMERIC COATING SYSTEM (CLASS B) - OVER 5 FT DIA. WWMH OR STRUCTURE	SF	250	\$ 40.00	\$ 10,000.00				
B-507	POLYMERIC COATING SYSTEM (CLASS C) - 4 FT DIA. WWMH	VF	8	\$ 500.00	\$ 4,000.00				
B-508	POLYMERIC COATING SYSTEM (CLASS C) - 5 FT DIA. WWMH	VF	8	\$ 625.00	\$ 5,000.00				
B-509	POLYMERIC COATING SYSTEM (CLASS C) - OVER 5 FT DIA. WWMH OR STRUCTURE	SF	250	\$ 42.50	\$ 10,625.00				
B-510	CEMENTITIOUS COATING (CLASS B) - 4 FT DIA. WWMH	VF	8	\$ 300.00	\$ 2,400.00				
B-511	CEMENTITIOUS COATING (CLASS B) - 5 FT DIA. WWMH	VF	8	\$ 375.00	\$ 3,000.00				
B-512	CEMENTITIOUS COATING (CLASS B) - OVER 5 FT DIA. WWMH OR STRUCTURE	SF	500	\$ 25.00	\$ 12,500.00				
B-513	CEMENTITIOUS COATING (CLASS C) - 4 FT DIA. WWMH	VF	8	\$ 500.00	\$ 4,000.00				
B-514	CEMENTITIOUS COATING (CLASS C) - 5 FT DIA. WWMH	VF	8	\$ 625.00	\$ 5,000.00				
B-515	CEMENTITIOUS COATING (CLASS C) - OVER 5 FT DIA. WWMH OR STRUCTURE	SF	500	\$ 42.50	\$ 21,250.00				
B-601	RECONSTRUCT MANHOLE BRICK CORBEL (ALL SIZES)	EA	4	\$ 5,285.40	\$ 21,141.60				
B-602	RECONSTRUCT MANHOLE FRP CONE (ALL SIZES)	EA	4	\$ 5,285.40	\$ 21,141.60				
B-603	RECONSTRUCT MANHOLE BENCH & INVERTS (ALL SIZES)	EA	4	\$ 3,336.15	\$ 13,344.60				
B-604	INSTALL FRAME SEAL - 36" OPENING	EA	2	\$ 840.65	\$ 1,681.30				
B-605	INSTALL FRAME SEAL - 30" OPENING	EA	2	\$ 805.00	\$ 1,610.00				
B-606	INSTALL FRAME SEAL - 24" OPENING	EA	2	\$ 768.20	\$ 1,536.40				
B-607	LOCATE BURIED MANHOLE	EA	1	\$ 1,559.40	\$ 1,559.40				
B-608	ADJUST EXISTING MANHOLE TO GRADE, BURIED MANHOLE	EA	2	\$ 5,032.40	\$ 10,064.80				
B-609	ADJUST EXISTING MANHOLE TO GRADE	EA	2	\$ 5,032.40	\$ 10,064.80				
B-610	RESET OFFSET FRAME	EA	2	\$ 1,391.50	\$ 2,783.00				
B-611	REMOVE & REPLACE RING & COVER, W/STANDARD MH COVER- 36" OPENING	EA	4	\$ 6,468.75	\$ 25,875.00				
B-612	REMOVE & REPLACE RING & COVER, W/STANDARD MH COVER- 30" OPENING	EA	4	\$ 5,755.75	\$ 23,023.00				
B-613	REMOVE & REPLACE RING & COVER, W/STANDARD MH COVER- 24" OPENING	EA	1	\$ 5,669.50	\$ 5,669.50				
B-614	REMOVE & REPLACE RING & COVER, W/COMPOSITE MH COVER- 36" OPENING	EA	2	\$ 11,684.00	\$ 23,368.00				
B-615	REMOVE & REPLACE RING & COVER, W/COMPOSITE MH COVER- 30" OPENING	EA	2	\$ 7,026.50	\$ 14,053.00				

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B-616	REMOVE & REPLACE RING & COVER, W/COMPOSITE MH COVER- 24" OPENING	EA	1	\$ 6,032.90	\$ 6,032.90				
B-617	12" CONCRETE COLLAR, CONCRETE ROADWAY	EA	4	\$ 997.05	\$ 3,988.20				
B-618	12" CONCRETE COLLAR, ASPHALT ROADWAY	EA	4	\$ 997.05	\$ 3,988.20				
B-619	12" CONCRETE COLLAR, UNPAVED	EA	4	\$ 997.05	\$ 3,988.20				
B-620	18" CONCRETE COLLAR, RAISED PROTECTION	EA	2	\$ 1,380.00	\$ 2,760.00				
B-621	REMOVE EXISTING CONCRETE COLLAR (ALL SIZES) (NOT PART OF NEW MH OR CONE INSTALL)	EA	4	\$ 535.90	\$ 2,143.60				
B-622	INSTALL INFLOW INHIBITOR DISH (STAINLESS STEEL)	EA	4	\$ 1,023.50	\$ 4,094.00				
B-623	CHEMICAL GROUT INJECTION THROUGH MANHOLE WALL	GA	4	\$ 600.00	\$ 2,400.00				
B-624	WW ACCESS CHAMBER WITH 24" RISER AND STANDARD 24" OPENING MH COVER, ALL DEPTHS	EA	4	\$ 7,538.25	\$ 30,153.00				
B-625	WW ACCESS CHAMBER WITH 30" RISER AND STANDARD 30" OPENING MH COVER, ALL DEPTHS	EA	4	\$ 8,878.00	\$ 35,512.00				
B-626	REMOVE & REPLACE AIR RELEASE VALVE	EA	1	\$ 10,941.10	\$ 10,941.10				
B-627	≤8" DIA. EXTERNAL DROP CONNECTION AND CONCRETE ENCASEMENT (ALL DEPTHS)	EA	2	\$ 5,377.40	\$ 10,754.80				
B-628	10" DIA. EXTERNAL DROP CONNECTION AND CONCRETE ENCASEMENT (ALL DEPTHS)	EA	2	\$ 1,876.22	\$ 3,752.44				
B-629	12" DIA. EXTERNAL DROP CONNECTION AND CONCRETE ENCASEMENT (ALL DEPTHS)	EA	2	\$ 2,411.55	\$ 4,823.10				
SUBTOTAL PART B - WASTEWATER MANHOLE IMPROVEMENTS				\$	2,141,439.24				
PART C - WASTEWATER LINE IMPROVEMENTS									
C-101	REMOVE AND REPLACE ≤8" SDR 26 PVC WW LINE (0' - 10' DEPTH)	LF	10	\$ 257.60	\$ 2,576.00				
C-102	REMOVE AND REPLACE ≤8" SDR 26 PVC WW LINE (10' - 18" DEPTH)	LF	10	\$ 336.95	\$ 3,369.50				
C-103	REMOVE AND REPLACE ≤8" SDR 26 PVC WW LINE (>18" DEPTH)	LF	10	\$ 506.00	\$ 5,060.00				
C-104	REMOVE AND REPLACE 10" SDR 26 PVC WW LINE (0' - 10' DEPTH)	LF	10	\$ 269.10	\$ 2,691.00				
C-105	REMOVE AND REPLACE 10" SDR 26 PVC WW LINE (10' - 18' DEPTH)	LF	10	\$ 289.80	\$ 2,898.00				
C-106	REMOVE AND REPLACE 10" SDR 26 PVC WW LINE (>18' DEPTH)	LF	10	\$ 534.75	\$ 5,347.50				
C-107	REMOVE AND REPLACE 12" SDR 26 PVC WW LINE (0' - 10' DEPTH)	LF	10	\$ 244.95	\$ 2,449.50				
C-108	REMOVE AND REPLACE 12" SDR 26 PVC WW LINE (10' - 18' DEPTH)	LF	10	\$ 373.75	\$ 3,737.50				
C-109	REMOVE AND REPLACE 12" SDR 26 PVC WW LINE (>18' DEPTH)	LF	10	\$ 543.95	\$ 5,439.50				
C-201	≤8" SDR 26 PVC WW LINE (0' - 10' DEPTH)	LF	10	\$ 257.60	\$ 2,576.00				
C-202	≤8" SDR 26 PVC WW LINE (10' - 18" DEPTH)	LF	10	\$ 336.95	\$ 3,369.50				

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C-203	≤8" SDR 26 PVC WW LINE (>18" DEPTH)	LF	10	\$ 506.00	\$ 5,060.00				
C-204	10" SDR 26 PVC WW LINE (0' - 10' DEPTH)	LF	10	\$ 269.10	\$ 2,691.00				
C-205	10" SDR 26 PVC WW LINE (10' - 18' DEPTH)	LF	10	\$ 289.80	\$ 2,898.00				
C-206	10" SDR 26 PVC WW LINE (>18" DEPTH)	LF	10	\$ 533.60	\$ 5,336.00				
C-207	12" SDR 26 PVC WW LINE (0' - 10' DEPTH)	LF	10	\$ 244.95	\$ 2,449.50				
C-208	12" SDR 26 PVC WW LINE (10'-18' DEPTH)	LF	10	\$ 373.75	\$ 3,737.50				
C-209	12" SDR 26 PVC WW LINE (>18' DEPTH)	LF	10	\$ 543.95	\$ 5,439.50				
C-301	LOCATE SERVICE LINE FROM MAIN LINE	EA	4	\$ 3,944.90	\$ 15,779.60				
C-302	SERVICE RE-CONNECTION (ON OPEN-CUT INSTALLED WW LINE), STANDARD	EA	2	\$ 969.45	\$ 1,938.90				
C-303	SERVICE RE-CONNECTION (ON OPEN-CUT INSTALLED WW LINE), DEEP (>8' DEPTH)	EA	2	\$ 1,089.05	\$ 2,178.10				
C-304	SERVICE LATERAL REPLACEMENT (0' - 10' DEPTH MAIN) ≤ 10 LF)	LF	10	\$ 299.00	\$ 2,990.00				
C-305	SERVICE LATERAL REPLACEMENT (>10' - 18' DEPTH MAIN) ≤ 10 LF)	LF	10	\$ 389.85	\$ 3,898.50				
C-306	SERVICE LATERAL REPLACEMENT (>18' DEPTH MAIN) ≤ 10 LF)	LF	10	\$ 497.95	\$ 4,979.50				
C-307	INSTALL 8" CLEANOUT	EA	3	\$ 3,050.95	\$ 9,152.85				
C-308	GROUT LATERAL CONNECTIONS (ALL SIZES, ALL DEPTHS)	EA	4	\$ 2,500.00	\$ 10,000.00				
C-401	REHAB ≤8" WW LINE (PNEUMATIC PIPE BURSTING W/HDPE DIPS DR 17)	LF	10	\$ 200.00	\$ 2,000.00				
C-402	REHAB 10" WW LINE (PNEUMATIC PIPE BURSTING W/ HDPE DIPS DR 17)	LF	10	\$ 225.00	\$ 2,250.00				
C-403	REHAB 12" WW LINE (PNEUMATIC PIPE BURSTING W/ HDPE DIPS DR 17)	LF	10	\$ 250.00	\$ 2,500.00				
C-404	REHAB ≤8" WW LINE (PNEUMATIC PIPE BURSTING W/HDPE DIPS DR 13.5)	LF	10	\$ 200.00	\$ 2,000.00				
C-405	REHAB 10" WW LINE (PNEUMATIC PIPE BURSTING W/HDPE DIPS DR 13.5)	LF	10	\$ 225.00	\$ 2,250.00				
C-406	REHAB 12" WW LINE (PNEUMATIC PIPE BURSTING W/HDPE DIPS DR 13.5)	LF	10	\$ 2,500.00	\$ 25,000.00				
C-407	STANDARD SERVICE RE-CONNECTION (ON PIPE BURSTED WW LINE)	EA	4	\$ 3,200.00	\$ 12,800.00				
C-408	DEEP SERVICE RE-CONNECTION (ON PIPE BURSTED WW LINE)	EA	2	\$ 4,000.00	\$ 8,000.00				
SUBTOTAL PART C - WASTEWATER LINE IMPROVEMENTS				\$	174,842.95				
PART D - ABANDONMENT OF EXISTING UTILITIES									
D-101	ABANDON WW MANHOLE (ALL SIZES)	EA	5	\$ 2,718.60	\$ 13,593.00				
D-102	REMOVE WW MANHOLE (ALL SIZES) (NOT RELATED TO NEW MH INSTALL)	VF	8	\$ 4,096.30	\$ 32,770.40				

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ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT
D-103	GROUT FILL & ABANDON IN PLACE WW LINE	CY	5	\$ 1,807.80	\$ 9,039.00				
SUBTOTAL PART D - ABANDONMENT OF EXISTING UTILITIES				\$	55,402.40				
PART E - TRENCH/PAVEMENT REPAIR AND SITE RESTORATION									
E-101	CUT & RESTORE HMAC PAVEMENT (3" THICK PAVEMENT, 8" BASE & PRIME COAT)	SY	200	\$ 323.15	\$ 64,630.00				
E-102	ADDITIONAL HMAC PAVEMENT THICKNESS (1/2" PER SY)	SY	20	\$ 56.35	\$ 1,127.00				
E-103	CUT & RESTORE CONCRETE PAVEMENT (10" THICK PAVEMENT & BASE)	SY	50	\$ 575.00	\$ 28,750.00				
E-104	ADDITIONAL CONCRETE PAVEMENT THICKNESS (1" PER SY)	SY	20	\$ 71.30	\$ 1,426.00				
E-105	CEMENT STABILIZED SAND BACKFILL (1.5 SACKS OF CEMENT PER 1 CY OF SAND)	TON	50	\$ 121.90	\$ 6,095.00				
E-106	CEMENT STABILIZED SAND BACKFILL (2 SACKS OF CEMENT PER 1 CY OF SAND)	TON	30	\$ 125.35	\$ 3,760.50				
E-107	CEMENT STABILIZED SAND BACKFILL (160 LBS OF CEMENT PER 1 CY OF SAND)	TON	10	\$ 132.25	\$ 1,322.50				
E-108	SELECT BACKFILL MATERIAL	CY	50	\$ 28.75	\$ 1,437.50				
E-109	FLOWABLE BACKFILL	CY	30	\$ 281.75	\$ 8,452.50				
E-201	REMOVE AND REPLACE CONCRETE DRIVEWAY	SF	250	\$ 35.65	\$ 8,912.50				
E-202	REMOVE AND REPLACE CONCRETE SIDEWALK	SF	50	\$ 25.30	\$ 1,265.00				
E-203	REMOVE AND REPLACE CURB AND GUTTER OR VALLEY GUTTER	LF	50	\$ 73.60	\$ 3,680.00				
E-204	REMOVE AND REPLACE CURB RAMP	EA	2	\$ 2,329.90	\$ 4,659.80				
E-205	REMOVAL & REPLACEMENT OF CHAIN LINK FENCING	LF	100	\$ 39.10	\$ 3,910.00				
E-206	REMOVAL & REPLACEMENT OF WOOD FENCING	LF	250	\$ 46.00	\$ 11,500.00				
E-207	REMOVE, RELOCATE, AND REINSTALL MAIL BOX	EA	3	\$ 488.75	\$ 1,466.25				
SUBTOTAL PART E - TRENCH/PAVEMENT REPAIR AND SITE RESTORATION				\$	152,394.55				
PART F - GENERAL SITE WORK									
F-101	STORMWATER POLLUTION PREVENTION PLAN	LS	1	\$ 3,250.00	\$ 3,250.00				
F-102	TEMPORARY CONSTRUCTION ENTRANCE/EXIT	EA	1	\$ 3,864.00	\$ 3,864.00				
F-103	TEMPORARY SEDIMENT CONTROL FENCE (SILT FENCE AND/OR SILT BARRIER)	LF	50	\$ 4.60	\$ 230.00				
F-104	INLET PROTECTION	EA	10	\$ 46.00	\$ 460.00				
F-105	EROSION CONTROL – SODDING	SY	50	\$ 25.88	\$ 1,294.00				
F-106	EROSION CONTROL – SEEDING	SY	20	\$ 10.93	\$ 218.60				

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F-201	TRENCH SAFETY FOR WW LINE INSTALLATION (0' - 10' DEPTH)	LF	10	\$ 26.45	\$ 264.50				
F-202	TRENCH SAFETY FOR WW LINE INSTALLATION (>10'- 18' DEPTH)	LF	10	\$ 33.35	\$ 333.50				
F-203	TRENCH SAFETY FOR WW LINE INSTALLATION (>18' DEPTH)	LF	10	\$ 47.15	\$ 471.50				
F-204	EXCAVATION SAFETY FOR MANHOLES, WITHOUT LINE WORK (>5' - 10' DEPTH)	EA	10	\$ 869.40	\$ 8,694.00				
F-205	EXCAVATION SAFETY FOR MANHOLES, , WITHOUT LINE WORK (>10'- 18' DEPTH)	EA	10	\$ 1,159.20	\$ 11,592.00				
F-206	EXCAVATION SAFETY FOR MANHOLES, WITHOUT LINE WORK (>18' DEPTH)	EA	2	\$ 1,449.00	\$ 2,898.00				
F-301	BYPASS PUMPING SET-UP - BYPASSING LINE≤ 8" DIA.	EA	1	\$ 3,500.00	\$ 3,500.00				
F-302	BYPASS PUMPING SET-UP - BYPASSING LINE 10" - 12" DIA.	EA	1	\$ 5,000.00	\$ 5,000.00				
F-303	BYPASS PUMPING SET-UP - BYPASSING LINE 15" - 18" DIA.	EA	1	\$ 8,500.00	\$ 8,500.00				
F-304	BYPASS PUMPING SET-UP - BYPASSING LINE 24" - 30" DIA.	EA	1	\$ 20,000.00	\$ 20,000.00				
F-305	BYPASS PUMPING SET-UP - BYPASSING LINE 36" - 42" DIA.	EA	1	\$ 25,000.00	\$ 25,000.00				
F-306	BYPASS PUMPING DISCHARGE PIPING - BYPASSING LINE≤ 8" DIA.	LF	350	\$ 100.00	\$ 35,000.00				
F-307	BYPASS PUMPING DISCHARGE PIPING - BYPASSING LINE 10" - 12" DIA.	LF	350	\$ 150.00	\$ 52,500.00				
F-308	BYPASS PUMPING DISCHARGE PIPING - BYPASSING LINE 15" - 18" DIA.	LF	350	\$ 250.00	\$ 87,500.00				
F-309	BYPASS PUMPING DISCHARGE PIPING - BYPASSING LINE 24" - 30" DIA.	LF	350	\$ 350.00	\$ 122,500.00				
F-310	BYPASS PUMPING DISCHARGE PIPING - BYPASSING LINE 36" - 42" DIA.	LF	350	\$ 450.00	\$ 157,500.00				
F-311	BYPASS PUMPING OPERATION - BYPASSING LINE≤ 8" DIA.	DAY	10	\$ 3,500.00	\$ 35,000.00				
F-312	BYPASS PUMPING OPERATION - BYPASSING LINE 10" - 12" DIA.	DAY	10	\$ 3,500.00	\$ 35,000.00				
F-313	BYPASS PUMPING OPERATION - BYPASSING LINE 15" - 18" DIA.	DAY	10	\$ 4,500.00	\$ 45,000.00				
F-314	BYPASS PUMPING OPERATION - BYPASSING LINE 24" - 30" DIA.	DAY	10	\$ 5,500.00	\$ 55,000.00				
F-315	BYPASS PUMPING OPERATION - BYPASSING LINE 36" - 42" DIA.	DAY	10	\$ 6,500.00	\$ 65,000.00				
F-316	FURNISH VACUUM TRUCK (TANDEM) FOR CONTROL OF WW FLOW (24-HR PERIOD)	DAY	2	\$ 9,500.00	\$ 19,000.00				
F-317	EMERGENCY BYPASS PUMPING SET-UP - BYPASSING LINE≤ 8" DIA.	EA	1	\$ 5,250.00	\$ 5,250.00				
F-318	EMERGENCY BYPASS PUMPING SET-UP - BYPASSING LINE 10" - 12" DIA.	EA	1	\$ 7,500.00	\$ 7,500.00				
F-319	EMERGENCY BYPASS PUMPING SET-UP - BYPASSING LINE 15" - 18" DIA.	EA	1	\$ 12,750.00	\$ 12,750.00				
F-320	EMERGENCY BYPASS PUMPING SET-UP - BYPASSING LINE 24" - 30" DIA.	EA	1	\$ 30,000.00	\$ 30,000.00				

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ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT	UNIT PRICE	EXTENDED AMOUNT
F-321	EMERGENCY BYPASS PUMPING SET-UP - BYPASSING LINE 36" - 42" DIA.	EA	1	\$ 37,500.00	\$ 37,500.00				
F-322	EMERGENCY BYPASS PUMPING DISCHARGE PIPING - BYPASSING LINE≤ 8" DIA.	LF	20	\$ 150.00	\$ 3,000.00				
F-323	EMERGENCY BYPASS PUMPING DISCHARGE PIPING - BYPASSING LINE 10" - 12" DIA.	LF	20	\$ 225.00	\$ 4,500.00				
F-324	EMERGENCY BYPASS PUMPING DISCHARGE PIPING - BYPASSING LINE 15" - 18" DIA.	LF	20	\$ 375.00	\$ 7,500.00				
F-325	EMERGENCY BYPASS PUMPING DISCHARGE PIPING - BYPASSING LINE 24" - 30" DIA.	LF	20	\$ 525.00	\$ 10,500.00				
F-326	EMERGENCY BYPASS PUMPING DISCHARGE PIPING - BYPASSING LINE 36" - 42" DIA.	LF	20	\$ 675.00	\$ 13,500.00				
F-327	EMERGENCY BYPASS PUMPING OPERATION - BYPASSING LINE≤ 8" DIA.	DAY	1	\$ 5,250.00	\$ 5,250.00				
F-328	EMERGENCY BYPASS PUMPING OPERATION - BYPASSING LINE 10" - 12" DIA.	DAY	1	\$ 5,250.00	\$ 5,250.00				
F-329	EMERGENCY BYPASS PUMPING OPERATION - BYPASSING LINE 15" - 18" DIA.	DAY	1	\$ 6,750.00	\$ 6,750.00				
F-330	EMERGENCY BYPASS PUMPING OPERATION - BYPASSING LINE 24" - 30" DIA.	DAY	1	\$ 8,250.00	\$ 8,250.00				
F-331	EMERGENCY BYPASS PUMPING OPERATION - BYPASSING LINE 36" - 42" DIA.	DAY	1	\$ 9,750.00	\$ 9,750.00				
F-332	FURNISH VACUUM TRUCK (TANDEM) FOR CONTROL OF WW FLOW (24-HR PERIOD)	DAY	2	\$ 14,250.00	\$ 28,500.00				
F-401	WELL POINTING FOR MANHOLE (0'- 10' DEPTH)	EA	2	\$ 9,100.00	\$ 18,200.00				
F-402	WELL POINTING FOR MANHOLE (10' - 18' DEPTH)	EA	4	\$ 10,500.00	\$ 42,000.00				
F-403	WELL POINTING FOR MANHOLE (>18' DEPTH)	EA	1	\$ 11,900.00	\$ 11,900.00				
F-404	WELL POINTING FOR LINE WORK (PER LF OF TRENCH) (0'- 10' DEPTH)	LF	10	\$ 700.00	\$ 7,000.00				
F-405	WELL POINTING FOR LINE WORK (PER LF OF TRENCH) (10' - 18' DEPTH)	LF	10	\$ 800.00	\$ 8,000.00				
F-406	WELL POINTING FOR LINE WORK (PER LF OF TRENCH) (>18' DEPTH)	LF	10	\$ 925.00	\$ 9,250.00				
F-501	PRE CCTV - CLEAN & TELEWISE WW LINES (LINES 8" - 18")	LF	200	\$ 15.00	\$ 3,000.00				
F-502	POST CCTV - TELEWISE WW LINES (LINES 8" - 18")	LF	200	\$ 5.00	\$ 1,000.00				
F-503	OTHER CCTV - CLEAN & TELEWISE WW LINES (LINES 8" - 18")	LF	200	\$ 15.00	\$ 3,000.00				
F-504	OTHER CCTV - CLEAN & TELEWISE WW LINES (LINES >18" - 42")	LF	100	\$ 35.00	\$ 3,500.00				
F-505	CCTV REVERSE SET-UP (UNABLE TO TRAVERSE LINE ON INITIAL SET-UP)	EA	4	\$ 500.00	\$ 2,000.00				
F-506	CCTV SET-UPS	EA	2	\$ 250.00	\$ 500.00				
F-507	WW LINE HEAVY CLEANING (LINES 8" - 18")	LF	50	\$ 30.00	\$ 1,500.00				
F-508	WW LINE HEAVY CLEANING (LINES >18" - 42")	LF	50	\$ 50.00	\$ 2,500.00				

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F-509	OBSTRUCTION REMOVAL BY REMOTE DEVICE (ALL DEPTHS)	EA	1	\$ 650.00	\$ 650.00				
F-510	OBSTRUCTION REMOVAL BY EXCAVATION (0' - 10' DEPTH)	EA	1	\$ 5,175.00	\$ 5,175.00				
F-511	OBSTRUCTION REMOVAL BY EXCAVATION (>10' - 18' DEPTH)	EA	1	\$ 8,625.00	\$ 8,625.00				
F-512	OBSTRUCTION REMOVAL BY EXCAVATION (>18' DEPTH)	EA	1	\$ 13,800.00	\$ 13,800.00				
F-513	CLEAN & CCTV MANHOLE/ MANHOLE INSPECTION	EA	10	\$ 750.00	\$ 7,500.00				
F-601	TRAFFIC CONTROL PLAN, RESIDENTIAL AREAS (3RD PARTY ENGINEER CERTIFIED)	EA	5	\$ 7,500.00	\$ 37,500.00				
F-602	ALLOWANCE FOR PREPARATION AND IMPLEMENTATION OF A TRAFFIC CONTROL PLAN (NON-RESIDENTIAL WORK SITES)	ALW	1	\$ 100,000.00	\$ 100,000.00				
F-603	PREPARATION AND IMPLEMENTATION OF A TRAFFIC CONTROL PLAN, EMERGENCY RESIDENTIAL WORK SITES	EA	1	\$ 10,000.00	\$ 10,000.00				
F-604	PREPARATION AND IMPLEMENTATION OF A TRAFFIC CONTROL PLAN, EMERGENCY NON-RESIDENTIAL WORK SITES	EA	1	\$ 17,500.00	\$ 17,500.00				
F-701	POTHOLING (0'-10' DEPTH)	EA	1						
F-702	POTHOLING (>10' - 18" DEPTH)	EA	1	\$ 6,724.05	\$ 6,724.05				
F-703	POTHOLING (>18" DEPTH)	EA	1	\$ 11,862.25	\$ 11,862.25				
F-704	TREE REMOVAL (>6" DIA. TRUNK)	EA	5	\$ 509.45	\$ 2,547.25				
F-705	POWER POLE SUPPORT	EA	1	\$ 3,622.50	\$ 3,622.50				
SUBTOTAL PART F - GENERAL SITE WORK				\$	1,339,176.15				
PART G - WATER IMPROVEMENTS									
G1	ALLOWANCE FOR UNANTICIPATED WATER IMPROVEMENTS	ALW	1	\$ 30,000.00	\$ 30,000.00				
F-706	ALLOWANCE FOR OTHER TRENCHLESS TECHNOLOGIES FOR REHABILITATION OF WASTEWATER MANHOLES AND LINES	ALW	1	\$ 100,000.00	\$ 100,000.00				
SUBTOTAL PART G - WATER IMPROVEMENTS				\$	130,000.00				
SUBTOTAL PART A - GENERAL				\$	140,000.00				
SUBTOTAL PART B - WASTEWATER MANHOLE IMPROVEMENTS				\$	2,141,439.24				
SUBTOTAL PART C - WASTEWATER LINE IMPROVEMENTS				\$	174,842.95				
SUBTOTAL PART D - ABANDONMENT OF EXISTING UTILITIES				\$	55,402.40				
SUBTOTAL PART E - TRENCH/PAVEMENT REPAIR AND SITE RESTORATION				\$	152,394.55				
SUBTOTAL PART F - GENERAL SITE WORK				\$	1,339,176.15				
SUBTOTAL PART G - WATER IMPROVEMENTS				\$	130,000.00				
TOTAL PROJECT BASE BID (PARTS A-G)				\$	4,133,255.29				