



**DeWight Dopslauf, C.P.M., CPPO
Harris County Purchasing Agent**

March 17, 2021

Commissioners Court
Harris County, Texas

RE: Job No. 210021

Members of Commissioners Court:

Please approve the following award on the basis of only bid subject to applicable bond(s) to be received from the vendor(s):

Description: New Construction and Maintenance of On-Site Sewage Facilities at Various Locations and Related Items for Harris County - UPIN 21208MF22C01

Bid(s) Received: One (1) on March 01, 2021 (see attached)

Vendor(s): Two Sons Environmental Services

Term: One (1) year initial term with four (4) one-year renewal options

Amount: \$341,751

Evaluated By: • Harris County Purchasing • Office of the County Engineer

Purchase order(s) will be issued upon Commissioners Court approval.

Sincerely,

DeWight Dopslauf
Purchasing Agent

HM
Attachment(s)
cc: Vendor(s)

FOR INCLUSION ON COMMISSIONERS COURT AGENDA MARCH 30, 2021



**Job No. 210021, New Construction and Maintenance of On-Site Sewage Facilities at Various Locations and Related Items for
Harris County - UPIN 21208MF22C01**

Item No.	Description	Est. Qty.	UOM	Two Sons Environmental Services ¹	
				Unit Price	Total Price
A	<u>SITE PREPARATION</u>				
1	PROJECT SIGN	1.00	EA	\$1,250.00	\$1,250.00
2	CLEARING AND GRUBBING	.10	AC	\$7,950.00	\$795.00
3	CONSTRUCTION SAFETY FENCE	60.00	LF	\$25.00	\$1,500.00
	Subtotal of Item A				\$3,545.00
B	<u>PIPING AND VALVES</u>				
4	3" SCHEDULE 40 PVC TWO-WAY CLEANOUT	1.00	EA	\$50.00	\$50.00
5	4" SCHEDULE 40 PVC TWO-WAY CLEANOUT	1.00	EA	\$60.00	\$60.00
6	6" SCHEDULE 40 PVC TWO-WAY CLEANOUT WITH CAP AND PLUGS	1.00	EA	\$100.00	\$100.00
7	6" SCHEDULE 40 PVC ONE-WAY CLEANOUT WITH CAP AND PLUGS	1.00	EA	\$100.00	\$100.00
8	1 1/4" SCHEDULE 40 PVC PIPE AND APPURTENANCES	10.00	LF	\$8.00	\$80.00
9	1 1/2" SCHEDULE 40 PVC PIPE AND APPURTENANCES	10.00	LF	\$8.50	\$85.00
10	2" SCHEDULE 40 PVC PIPE AND APPURTENANCES	10.00	LF	\$9.50	\$95.00
11	3" SCHEDULE 40 PVC PIPE AND APPURTENANCES	10.00	LF	\$12.00	\$120.00
12	4" SCHEDULE 40 PVC PIPE AND APPURTENANCES	10.00	LF	\$14.00	\$140.00
13	6" SCHEDULE 40 PVC PIPE AND APPURTENANCES	10.00	LF	\$20.00	\$200.00
14	4" SCHEDULE 40 PVC PIPE, TRENCHLESS	24.00	LF	\$14.00	\$336.00
15	6" SCHEDULE 40 PVC PIPE, TRENCHLESS	24.00	LF	\$20.00	\$480.00
16	8" SCHEDULE 40 PVC PIPE, TRENCHLESS	24.00	LF	\$26.00	\$624.00
17	1 1/2" SCHEDULE 40 PVC PURPLE PIPE AND APPURTENANCES	40.00	LF	\$4.50	\$180.00
18	3/4" SCHEDULE 40 PVC PURPLE PIPE AND APPURTENANCES	40.00	LF	\$5.00	\$200.00
19	1" SCHEDULE 40 PVC PURPLE PIPE AND APPURTENANCES	40.00	LF	\$6.00	\$240.00
20	1 1/4" SCHEDULE 40 PVC PURPLE PIPE AND APPURTENANCES	40.00	LF	\$8.00	\$320.00
21	1 1/2" SCHEDULE 40 PVC PURPLE PIPE AND APPURTENANCES	40.00	LF	\$8.50	\$340.00
22	1 3/4" SCHEDULE 40 PVC PURPLE PIPE AND APPURTENANCES	40.00	LF	\$9.00	\$360.00
23	2" SCHEDULE 40 PVC PURPLE PIPE AND APPURTENANCES	40.00	LF	\$9.50	\$380.00
24	1 1/2" SCHEDULE 40 PVC LOW PRESSURE DOSE PURPLE PIPE WITH DRILLED HOLES, APPURTENANCES, GRAVEL AND SAND BACKFILL	40.00	LF	\$15.00	\$600.00
25	3/4" SCHEDULE 40 PVC LOW PRESSURE DOSE PURPLE PIPE WITH DRILLED HOLES, APPURTENANCES, GRAVEL AND SAND BACKFILL	40.00	LF	\$15.00	\$600.00

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Item No.	Description	Est. Qty.	UOM	Two Sons Environmental Services ¹	
				Unit Price	Total Price
26	1" SCHEDULE 40 PVC LOW PRESSURE DOSE PURPLE PIPE WITH DRILLED HOLES, APPURTENANCES, GRAVEL AND SAND BACKFILL	40.00	LF	\$15.00	\$600.00
27	1 1/4" SCHEDULE 40 PVC LOW PRESSURE DOSE PURPLE PIPE WITH DRILLED HOLES, APPURTENANCES, GRAVEL AND SAND BACKFILL	40.00	LF	\$18.50	\$740.00
28	1 1/2" SCHEDULE 40 PVC LOW PRESSURE DOSE PURPLE PIPE WITH DRILLED HOLES, APPURTENANCES, GRAVEL AND SAND BACKFILL	40.00	LF	\$18.50	\$740.00
29	1 3/4" SCHEDULE 40 PVC LOW PRESSURE DOSE PURPLE PIPE WITH DRILLED HOLES, APPURTENANCES, GRAVEL AND SAND BACKFILL	40.00	LF	\$18.50	\$740.00
30	2" SCHEDULE 40 PVC LOW PRESSURE DOSE PURPLE PIPE WITH DRILLED HOLES, APPURTENANCES, GRAVEL AND SAND BACKFILL	40.00	LF	\$24.00	\$960.00
31	1 1/2" DRIP EMITTER TUBING WITH APPURTENANCES INCLUDING VALVES, FILTERS, PRESSURE GAUGES, AND SAND BACKFILL (GEOFLOW WFCL-16-4-24 OR APPROVED EQUAL)	40.00	LF	\$7.00	\$280.00
32	4-HOLE DISTRIBUTION BOX (TUF-TITE 4HD2 OR APPROVED EQUAL)	1.00	EA	\$325.00	\$325.00
33	6-HOLE DISTRIBUTION BOX (TUF-TITE 6HD2 OR APPROVED EQUAL)	1.00	EA	\$430.00	\$430.00
34	7-HOLE DISTRIBUTION BOX (TUF-TITE 7HD2 OR APPROVED EQUAL)	1.00	EA	\$665.00	\$665.00
35	9-HOLE DISTRIBUTION BOX (TUF-TITE 9HD2 OR APPROVED EQUAL)	1.00	EA	\$775.00	\$775.00
36	2 ZONE INDEXING VALVE (K-RAIN 4402-RCW OR APPROVED EQUAL)	1.00	EA	\$395.00	\$395.00
37	3 ZONE INDEXING VALVE (K-RAIN 4403-RCW OR APPROVED EQUAL)	1.00	EA	\$495.00	\$495.00
38	4 ZONE INDEXING VALVE (K-RAIN 4404-RCW OR APPROVED EQUAL)	1.00	EA	\$650.00	\$650.00
39	2 ZONE INDEXING VALVE (K-RAIN 6402-RCW OR APPROVED EQUAL)	1.00	EA	\$495.00	\$495.00
40	3 ZONE INDEXING VALVE (K-RAIN 6403-RCW OR APPROVED EQUAL)	1.00	EA	\$650.00	\$650.00
41	4 ZONE INDEXING VALVE (K-RAIN 6404-RCW OR APPROVED EQUAL)	1.00	EA	\$775.00	\$775.00
42	5 ZONE INDEXING VALVE (K-RAIN 6605-RCW OR APPROVED EQUAL)	1.00	EA	\$850.00	\$850.00
43	6 ZONE INDEXING VALVE (K-RAIN 6606-RCW OR APPROVED EQUAL)	1.00	EA	\$975.00	\$975.00
44	1/2" CHECK VALVE	2.00	EA	\$45.00	\$90.00
45	1" CHECK VALVE	2.00	EA	\$49.00	\$98.00
46	1 1/4" CHECK VALVE	2.00	EA	\$75.00	\$150.00
47	1 1/2" CHECK VALVE	2.00	EA	\$79.00	\$158.00
48	1 3/4" CHECK VALVE	2.00	EA	\$81.00	\$162.00

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Item No.	Description	Est. Qty.	UOM	Two Sons Environmental Services ¹	
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49	2" CHECK VALVE	2.00	EA	\$105.00	\$210.00
50	1 1/2" BALL VALVE	2.00	EA	\$45.00	\$90.00
51	1" BALL VALVE	2.00	EA	\$49.00	\$98.00
52	1 1/4" BALL VALVE	2.00	EA	\$75.00	\$150.00
53	1 1/2" BALL VALVE	2.00	EA	\$79.00	\$158.00
54	1 3/4" BALL VALVE	2.00	EA	\$81.00	\$162.00
55	2" BALL VALVE	2.00	EA	\$105.00	\$210.00
56	VALVE BOX	2.00	EA	\$190.00	\$380.00
57	10" IRRIGATION VALVE BOX	2.00	EA	\$265.00	\$530.00
Subtotal of Item B					\$19,876.00
C	TANKS				
58	500 GAL PRECAST CONCRETE PRETREATMENT/EQUALIZATION TANK, COMPLETE IN PLACE (CLEARSTREAM OR PRE-APPROVED EQUAL)	1.00	EA	\$1,045.00	\$1,045.00
59	850 GAL PRECAST CONCRETE PRETREATMENT/EQUALIZATION TANK, COMPLETE IN PLACE (CLEARSTREAM OR PRE-APPROVED EQUAL)	1.00	EA	\$1,365.00	\$1,365.00
60	1080 GAL PRECAST CONCRETE PRETREATMENT/EQUALIZATION TANK, COMPLETE IN PLACE (CLEARSTREAM OR PRE-APPROVED EQUAL)	1.00	EA	\$1,680.00	\$1,680.00
61	1250 GAL PRECAST CONCRETE PRETREATMENT/EQUALIZATION TANK, COMPLETE IN PLACE (CLEARSTREAM OR PRE-APPROVED EQUAL)	1.00	EA	\$1,695.00	\$1,695.00
62	1580 GAL PRECAST CONCRETE PRETREATMENT/EQUALIZATION TANK, COMPLETE IN PLACE (CLEARSTREAM OR PRE-APPROVED EQUAL)	1.00	EA	\$2,420.00	\$2,420.00
63	2200 GAL PRECAST CONCRETE PRETREATMENT/EQUALIZATION TANK, COMPLETE IN PLACE (CLEARSTREAM OR PRE-APPROVED EQUAL)	1.00	EA	\$3,485.00	\$3,485.00
64	500 GAL PRECAST CONCRETE DOSING/PUMP TANK INCLUDING PUMPS AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM OR PRE-APPROVED EQUAL)	1.00	EA	\$6,890.00	\$6,890.00
65	850 GAL PRECAST CONCRETE DOSING/PUMP TANK INCLUDING PUMPS AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM OR PRE-APPROVED EQUAL)	1.00	EA	\$7,550.00	\$7,550.00
66	1080 GAL PRECAST CONCRETE DOSING/PUMP TANK INCLUDING PUMPS AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM OR PRE-APPROVED EQUAL)	1.00	EA	\$7,900.00	\$7,900.00

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Item No.	Description	Est. Qty.	UOM	Two Sons Environmental Services ¹	
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67	1250 GAL PRECAST CONCRETE DOSING/PUMP TANK INCLUDING PUMPS AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM OR PRE-APPROVED EQUAL)	1.00	EA	\$7,995.00	\$7,995.00
68	1580 GAL PRECAST CONCRETE DOSING/PUMP TANK INCLUDING PUMPS AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM OR PRE-APPROVED EQUAL)	1.00	EA	\$8,800.00	\$8,800.00
69	2200 GAL PRECAST CONCRETE DOSING/PUMP TANK INCLUDING PUMPS AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM OR PRE-APPROVED EQUAL)	1.00	EA	\$10,250.00	\$10,250.00
70	500 GAL PRECAST CONCRETE PRETREATMENT/ATU/PUMP TANK INCLUDING AERATOR, PUMPS AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 500NC3-750 OR PRE-	1.00	EA	\$6,890.00	\$6,890.00
71	600 GAL PRECAST CONCRETE PRETREATMENT/ATU/PUMP TANK INCLUDING AERATOR, PUMPS AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 600NC3 OR PRE-	1.00	EA	\$7,600.00	\$7,600.00
72	500 GAL PRECAST CONCRETE PRETREATMENT/ATU TANK INCLUDING AERATOR AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 500NC2 OR PRE-APPROVED EQUAL)	1.00	EA	\$7,850.00	\$7,850.00
73	600 GAL PRECAST CONCRETE PRETREATMENT/ATU TANK INCLUDING AERATOR AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 600NC2 OR PRE-APPROVED EQUAL)	1.00	EA	\$8,350.00	\$8,350.00
74	750 GAL PRECAST CONCRETE PRETREATMENT/ATU TANK INCLUDING AERATOR AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 750NC2 OR PRE-APPROVED EQUAL)	1.00	EA	\$9,450.00	\$9,450.00
75	800 GAL PRECAST CONCRETE PRETREATMENT/ATU TANK INCLUDING AERATOR AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 800NC2 OR PRE-APPROVED EQUAL)	1.00	EA	\$9,850.00	\$9,850.00
76	500 GAL FIBERGLASS ATU TANK INCLUDING AERATOR, AIRLIFT AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 500DA-350 OR PRE-APPROVED EQUAL)	1.00	EA	\$6,950.00	\$6,950.00
77	600 GAL FIBERGLASS ATU TANK INCLUDING AERATOR, AIRLIFT AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 600DA-350 OR PRE-APPROVED EQUAL)	1.00	EA	\$7,450.00	\$7,450.00
78	750 GAL FIBERGLASS ATU TANK INCLUDING AERATOR, AIRLIFT AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 750DA-350 OR PRE-APPROVED EQUAL)	1.00	EA	\$8,250.00	\$8,250.00
79	1500 GAL FIBERGLASS ATU TANK INCLUDING AERATOR, AIRLIFT AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 1500DA-350 OR PRE-APPROVED EQUAL)	1.00	EA	\$10,550.00	\$10,550.00
80	500 GAL PRECAST CONCRETE AEROBIC TREATMENT UNIT INCLUDING AERATOR AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 500NC OR PRE-APPROVED EQUAL)	1.00	EA	\$6,850.00	\$6,850.00

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Item No.	Description	Est. Qty.	UOM	Two Sons Environmental Services ¹	
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81	600 GAL PRECAST CONCRETE AEROBIC TREATMENT UNIT INCLUDING AERATOR AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 600NC OR PRE-APPROVED EQUAL)	1.00	EA	\$7,450.00	\$7,450.00
82	750 GAL PRECAST CONCRETE AEROBIC TREATMENT UNIT INCLUDING AERATOR AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 750NC OR PRE-APPROVED EQUAL)	1.00	EA	\$7,950.00	\$7,950.00
83	800 GAL PRECAST CONCRETE AEROBIC TREATMENT UNIT INCLUDING AERATOR AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 800NC OR PRE-APPROVED EQUAL)	1.00	EA	\$8,450.00	\$8,450.00
84	1000 GAL PRECAST CONCRETE AEROBIC TREATMENT UNIT INCLUDING AERATOR AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 1000NC OR PRE-APPROVED EQUAL)	1.00	EA	\$9,850.00	\$9,850.00
85	1500 GAL PRECAST CONCRETE AEROBIC TREATMENT UNIT INCLUDING AERATOR AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 1500NC OR PRE-APPROVED EQUAL)	1.00	EA	\$10,550.00	\$10,550.00
86	1000 GAL PRECAST CONCRETE AEROBIC TREATMENT UNIT INCLUDING AERATOR AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 1000NCD OR PRE-APPROVED EQUAL)	1.00	EA	\$9,850.00	\$9,850.00
87	1200 GAL PRECAST CONCRETE AEROBIC TREATMENT UNIT INCLUDING AERATOR AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 1200NCD OR PRE-APPROVED EQUAL)	1.00	EA	\$10,250.00	\$10,250.00
88	1500 GAL PRECAST CONCRETE AEROBIC TREATMENT UNIT INCLUDING AERATOR AND CONTROLS, COMPLETE IN PLACE (CLEARSTREAM 1500NCD OR PRE-APPROVED EQUAL)	1.00	EA	\$10,550.00	\$10,550.00
89	500 GAL GREASE TRAP, COMPLETE IN PLACE (GT-500 PARK USA OR PRE-APPROVED	1.00	EA	\$7,250.00	\$7,250.00
90	ENDURA XL GREASE INTERCEPTOR 4075A04M WITH EXTENSION RISERS 40400AX18SW OR PRE-APPROVED EQUAL, COMPLETE IN PLACE	1.00	EA	\$6,500.00	\$6,500.00
91	SUPPLY TANK INCLUDES PRESSURE CONTROL SWITCH, SHUTOFF VALVE, PRESSURE GUAGE, AND (2) 1" CHECK VALVES (CLEARSTREAM CSGTB44 OR PRE-APPROVED EQUAL)	1.00	EA	\$5,000.00	\$5,000.00
D	Subtotal of Item C				\$244,765.00
	TRAFFIC CONTROL				
92	TRAFFIC CONTROL - FURNISH, INSTALL & REMOVE PER JOBSITE	1.00	EA	\$2,250.00	\$2,250.00
E	Subtotal of Item D				\$2,250.00
	STORMWATER POLLUTION PREVENTION PLAN				
93	SODDING FOR EROSION CONTROL AND STABILIZATION, COMPLETE IN PLACE	30.00	SY	\$9.00	\$270.00

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Item No.	Description	Est. Qty.	UOM	Two Sons Environmental Services ¹	
				Unit Price	Total Price
94	HYDRO-MULCH SEEDING, COMPLETE IN PLACE	.10	AC	\$13,250.00	\$1,325.00
95	REINFORCED FILTER FABRIC BARRIER, COMPLETE IN PLACE	20.00	LF	\$15.00	\$300.00
96	3 POUND GRASS SEED BAG	1.00	EA	\$25.00	\$25.00
97	INLET PROTECTION BARRIER - FURNISH, INSTALL, AND REMOVE PER JOBSITE	1.00	EA	\$250.00	\$250.00
98	INLET PROTECTION BARRIER FOR STAGE II INLET - FURNISH, INSTALL, AND REMOVE PER JOBSITE	1.00	EA	\$250.00	\$250.00
	Subtotal of Item E				\$2,420.00
F	MISCELLANEOUS				
99	4" CEMENT STABILIZED SAND TANK BEDDING	10.00	SY	\$65.00	\$650.00
100	6' HIGH CHAIN LINK FENCING, COMPLETE IN PLACE	60.00	LF	\$24.00	\$1,440.00
101	6' HIGH PEDESTRIAN GATE, COMPLETE IN PLACE	2.00	EA	\$650.00	\$1,300.00
102	WASTEWATER FILTER (ZABEL A100 OR APPROVED EQUAL), COMPLETE IN PLACE	1.00	EA	\$480.00	\$480.00
103	DUAL SPIN FILTER (CLEARSTREAM A8200 OR PRE-APPROVED EQUAL)	1.00	EA	\$200.00	\$200.00
104	SAMPLING WELL	1.00	EA	\$750.00	\$750.00
105	4" TABLET CHLORINATOR, COMPLETE IN PLACE	2.00	EA	\$400.00	\$800.00
106	LIQUID CHLORINATOR WITH SENSOR (CLEARSTREAM 2" CLC100 OR APPROVED EQUAL), COMPLETE IN PLACE	1.00	EA	\$665.00	\$665.00
107	LIQUID CHLORINATOR WITH SENSOR (CLEARSTREAM 3" CLC100 OR APPROVED EQUAL), COMPLETE IN PLACE	1.00	EA	\$850.00	\$850.00
108	LIQUID CHLORINATOR WITH SENSOR (CLEARSTREAM 4" CLC100 OR APPROVED EQUAL), COMPLETE IN PLACE	1.00	EA	\$975.00	\$975.00
109	LIQUID FILLED AIR PRESSURE GAUGE (0-15 PSI) WITH 3/4" STAINLESS STEEL BALL VALVE, COMPLETE IN PLACE	4.00	EA	\$55.00	\$220.00
110	AIR SENSOR, COMPLETE IN PLACE	4.00	EA	\$55.00	\$220.00
111	ONSITE CELLULAR AUTODIALER, COMPLETE IN PLACE (RMSYS RMS-800 OR PRE-APPROVED EQUAL)	2.00	EA	\$950.00	\$1,900.00
112	ONSITE CELLULAR PUMP COUNTER AUTODIALER, COMPLETE IN PLACE (RMSYS RMS-800P OR PRE-APPROVED EQUAL)	2.00	EA	\$1,250.00	\$2,500.00
113	FLOW METER WITH ENCLOSURE, COMPLETE IN PLACE	2.00	EA	\$1,300.00	\$2,600.00

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114	LOW ANGLE ROTARY SPRINKLER W/PURPLE SPRAY HEAD, COMPLETE IN PLACE (RAIN BIRD 5000 SERIES, HUNTER PGP ULTRA, OR APPROVED EQUAL)	20.00	EA	\$40.00	\$800.00
115	WASTEFLOW HEADWORKS BOX INCLUDING VALVES, FILTERS AND PRESSURE GAUGES, COMPLETE IN PLACE (GEOFLOW VORTEX HEADWORKS WHWS-V-IF-A OR APPROVED EQUAL)	1.00	EA	\$1,500.00	\$1,500.00
116	20" X 12" TANK RISER EXTENSION	2.00	EA	\$85.00	\$170.00
117	20" DOME LID	2.00	EA	\$85.00	\$170.00
118	CORE HOLE IN EXISTING TANK	2.00	EA	\$450.00	\$900.00
119	4"X8"X16" CONCRETE BLOCK	2.00	EA	\$30.00	\$60.00
120	6" REINFORCED CONCRETE SLAB	2.00	SY	\$450.00	\$900.00
121	GEOTEXTILE FABRIC FOR LOW PRESSURE DOSING	5.00	SY	\$45.00	\$225.00
123	TOPSOIL FOR MOUNDING	8.00	CY	\$40.00	\$320.00
124	WATER FOR TANKS	2,000.00	GAL	\$1.00	\$2,000.00
125	ABANDONMENT OF EXISTING TANK	4.00	EA	\$1,250.00	\$5,000.00
126	HAULING OF UNUSED SOIL OFF SITE	10.00	CY	\$40.00	\$400.00
127	TANK PUMP-OUT	5,000.00	GAL	\$0.45	\$2,250.00
Subtotal of Item F					\$30,245.00
G	<u>MAINTENANCE</u>				
128	TERMINAL BOX (10 SPACE)	1.00	EA	\$20.00	\$20.00
129	DUPLEX DOSING PANEL (115V)	1.00	EA	\$800.00	\$800.00
130	DUPLEX NIGHT SPRAY PANEL (115V)	1.00	EA	\$700.00	\$700.00
131	FRANKLIN CONTROL BOARD/BOX 2HP	1.00	EA	\$450.00	\$450.00
132	ALARM PANEL (1500 GPD)	1.00	EA	\$220.00	\$220.00
133	PUMP CONTACTOR (18 AMP)	1.00	EA	\$160.00	\$160.00
134	PUMP CONTACTOR (16 AMP)	1.00	EA	\$155.00	\$155.00
135	PUMP CONTACTOR (12 AMP)	1.00	EA	\$150.00	\$150.00
136	ALTERNATING RELAY 120VAC	1.00	EA	\$140.00	\$140.00
137	OVERLOAD RELAY	1.00	EA	\$150.00	\$150.00
138	START CAPACITOR	1.00	EA	\$40.00	\$40.00
139	POTENTIAL RELAY	1.00	EA	\$65.00	\$65.00

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140	RUN CAPACITOR	1.00	EA	\$40.00	\$40.00
141	20 AMP BREAKER	1.00	EA	\$125.00	\$125.00
142	40 AMP BREAKER	1.00	EA	\$140.00	\$140.00
143	HEAT SHRINK SLICE KIT 12/10 AWG	1.00	EA	\$20.00	\$20.00
144	24 HR TIMER	1.00	EA	\$140.00	\$140.00
145	MYERS 1/3 HP SUMP PUMP OR APPROVED EQUAL	1.00	EA	\$380.00	\$380.00
146	MYERS 4/10 HP SEWAGE PUMP (2") OR APPROVED EQUAL	1.00	EA	\$600.00	\$600.00
147	1/2 HP SOLIDS PUMP (2")	1.00	EA	\$245.00	\$245.00
148	FRANKLIN 1/2 HP 20 GPM EFFLUENT PUMP OR APPROVED EQUAL	1.00	EA	\$265.00	\$265.00
149	FRANKLIN 1 HP 20 GPM EFFLUENT PUMP OR APPROVED EQUAL	1.00	EA	\$1,375.00	\$1,375.00
150	2 HP, 35GPM FRANKLIN PUMP HEAD, MODEL SS2035R OR APPROVED EQUAL	1.00	EA	\$845.00	\$845.00
151	2 HP, 230VAC FRANKLIN PUMP MOTOR MODEL SF2021 OR APPROVED EQUAL	1.00	EA	\$675.00	\$675.00
152	PUMP FLOAT	1.00	EA	\$45.00	\$45.00
153	REPAIR KIT FOR ROTARY AERATOR	1.00	EA	\$140.00	\$140.00
154	ROTARY AERATOR	1.00	EA	\$960.00	\$960.00
155	LINEAR AERATOR	1.00	EA	\$650.00	\$650.00
156	12 GA UNI-STRUT (10')	1.00	EA	\$35.00	\$35.00
157	1/2" NON METALLIC CONDUIT (25')	1.00	EA	\$20.00	\$20.00
158	QUIKRETE CONCRETE (80 LB)	1.00	EA	\$10.00	\$10.00
159	OPERATE AND MAINTAIN ON-SITE SEWAGE FACILITY (0-500 GPD)	12.00	MO	\$150.00	\$1,800.00
160	OPERATE AND MAINTAIN ON-SITE SEWAGE FACILITY (501-1000 GPD)	12.00	MO	\$160.00	\$1,920.00
161	OPERATE AND MAINTAIN ON-SITE SEWAGE FACILITY (1001-2000 GPD)	12.00	MO	\$185.00	\$2,220.00
162	OPERATE AND MAINTAIN ON-SITE SEWAGE FACILITY (2001-3000 GPD)	12.00	MO	\$200.00	\$2,400.00
163	OPERATE AND MAINTAIN ON-SITE SEWAGE FACILITY (3001-4000 GPD)	12.00	MO	\$225.00	\$2,700.00
164	OPERATE AND MAINTAIN ON-SITE SEWAGE FACILITY (4001-5000 GPD)	12.00	MO	\$250.00	\$3,000.00
165	OPERATE AND MAINTAIN REMOTE LIFT STATION	12.00	MO	\$175.00	\$2,100.00
166	LABORATORY TESTING	10.00	EA	\$175.00	\$1,750.00
167	CHLORINE MARKUP BASED ON A SUM OF \$2,000 (EXAMPLE: 1.15=115%, SO VENDOR WOULD INSERT 1.15 AS THE UNIT PRICE)	2,000.00	COST +	\$1.15	\$2,300.00

Job No. 210021, New Construction and Maintenance of On-Site Sewage Facilities at Various Locations and Related Items for Harris County - UPIN 21208MF22C01

Item No.	Description	Est. Qty.	UOM	Two Sons Environmental Services ¹	
				Unit Price	Total Price
168	LABOR FOR REPAIR OF EQUIPMENT AND EMERGENCY SITE VISITS (NORMAL WORKING HOURS: 8:00 A.M. TO 5:00 P.M. MONDAY TO FRIDAY)	60.00	HR	\$95.00	\$5,700.00
169	LABOR FOR REPAIR OF EQUIPMENT AND EMERGENCY SITE VISITS (5:00 P.M. TO 8:00 A.M. MONDAY TO FRIDAY, WEEKENDS AND HOLIDAYS)	20.00	HR	\$150.00	\$3,000.00
	Subtotal of Item G				\$38,650.00
	Grand Total				\$341,751.00
¹ Award Recommendation Only Bid					