Project: Lake Manatee Wtp Alum Sludge Dewatering System
Estimate Date: 12/4/2023 [date]
Construction Documents: [date]
Owner/Client: [owner/client]

				%	%		Labor				Material		Equipment	Subcontractor	
	Division 03 00 00 - Concrete	Units	Regular Quantity	Waste Quantity	Attic Stock Quantity	Total Quantity	Unit Labor	Total Labor Hours	Labor Hour Rate	Labor Cost Extended	Materials Unit Cost	Material Cost Extended	Equipment Total	Subcontractor Total	Total Cost
03-14				0%	0%	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-15	**SF, LF, Ea.**														
03-16	03 00 00 - (3'-0"x1'-0") Reinforced Concrete Wall Footing - SF3.0	LF	333.23	0%	0%	333.23		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-17	03 00 00 - (5'-0"x5'-0"x1'-0") Reinforced Concrete Footing Pad - F5.0	EA	31.00	0%	0%	31.00		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-18	03 00 00 - (7'-6"x7'-6"x1'-0") Reinforced Concrete Footing Pad -F7.5	EA	1.00	0%	0%	1.00		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-19	03 00 00 - (8'-0"x8'-0"x2'-0") Reinforced Concrete Footing Pad -F8.0	EA	4.00	0%	0%	4.00		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-20	03 00 00 - 10'-0"x10'-0"x2'-0") Reinforced Concrete Footing Pad -F10.0	EA	2.00	0%	0%	2.00		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-21	03 00 00 - (8"x10") Reinforced Concrete Trench Wall	LF	528.97	0%	0%	528.97		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-22	03 00 00 - (12"x18") Reinforced Concrete Foundation Wall - CW-1	LF	111.33	0%	0%	111.33		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-23	03 00 00 - (16"x18") Reinforced Concrete Foundation Wall - CW-16	LF	346.66	0%	0%	346.66		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-24	03 00 00 - (16"x24"x22'-6") Reinforced Concrete Column - C1	EA	18.00	0%	0%	18.00		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-25	03 00 00 - (24"x24"x22'-6") Reinforced Concrete Column - C2	EA	4.00	0%	0%	4.00		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-26	03 00 00 - (16"x16"x22'-6") Reinforced Concrete Column - C3	EA	5.00	0%	0%	5.00		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-27	03 00 00 - (16"x16"x22'-6") Reinforced Concrete Column - C4	EA	5.00	0%	0%	5.00		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-28	03 00 00 - (16"x16"x12'-9") Reinforced Concrete Column - C4	EA	2.00	0%	0%	2.00		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-29	03 00 00 - (16"x16"x12'-9") Reinforced Concrete Column - C5	EA	7.00	0%	0%	7.00		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-30	03 00 00 - (6") thk. Reinforced Concrete Trench Slab	SF	983.45	0%	0%	983.45		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-31	03 00 00 - (8") thk. Concrete Slab Reinf. W/ #3 @ 12" O.C. Each Way	SF	7,133.37	0%	0%	7,133.37		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-32	03 00 00 - (12") thk. Concrete Slab Reinf. W/ #3 @ 8" O.C. Each Way	SF	1,826.89	0%	0%	1,826.89		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-33	(16"x24") Reinforced Concrete Tie Beam	LF	385.00	0%	0%	385.00		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-34	(16"x36") Reinforced Concrete Tie Beam - RB16x36	LF	250.00	0%	0%	250.00		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-35	(24"x36") Reinforced Concrete Tie Beam - RB24x36	LF	41.08	0%	0%	41.08		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-36	(10") thk. Reinforced Concrete Slab	SF	1,991.89	0%	0%	1,991.89		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-37	(8") Hollow Core Planks	SF	1,336.39	0%	0%	1,336.39		-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-38	16"x24" Reinforced Concrete Tie Beam	LF	401.17	0%	0%	401.17	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-40	**Cubic Yardage**														
03-41	03 00 00 - (3'-0"x1'-0") Reinforced Concrete Wall Footing - SF3.0	CY	37.03	0%	0%	37.03	7.00	259.18	$ 69.95	$ 18,129.57	$ 160.000	$ 5,924.09	$ -	$ -	$ 24,053.66
03-42	03 00 00 - (5'-0"x5'-0"x1'-0") Reinforced Concrete Footing Pad - F5.0	CY	28.70	0%	0%	28.70	4.00	114.81	$ 69.95	$ 8,031.30	$ 160.000	$ 4,592.59	$ -	$ -	$ 12,623.89
03-43	03 00 00 - (7'-6"x7'-6"x1'-0") Reinforced Concrete Footing Pad -F7.5	CY	2.08	0%	0%	2.08	3.60	7.50	$ 69.95	$ 524.62	$ 160.000	$ 333.33	$ -	$ -	$ 857.96
03-44	03 00 00 - (8'-0"x8'-0"x2'-0") Reinforced Concrete Footing Pad -F8.0	CY	18.96	0%	0%	18.96	3.80	72.06	$ 69.95	$ 5,040.54	$ 160.000	$ 3,034.07	$ -	$ -	$ 8,074.62
03-45	03 00 00 - (10'-0"x10'-0"x2'-0") Reinforced Concrete Footing Pad -F10.0	CY	14.81	0%	0%	14.81	3.85	57.04	$ 69.95	$ 3,989.74	$ 160.000	$ 2,370.37	$ -	$ -	$ 6,360.11
03-46	03 00 00 - (8"x10") Reinforced Concrete Trench Wall	CY	10.93	0%	0%	10.93	4.00	43.74	$ 69.95	$ 3,059.39	$ 160.000	$ 1,749.47	$ -	$ -	$ 4,808.86
03-47	03 00 00 - (12"x18") Reinforced Concrete Foundation Wall - CW-1	CY	6.19	0%	0%	6.19	7.00	43.30	$ 69.95	$ 3,028.49	$ 160.000	$ 989.60	$ -	$ -	$ 4,018.09
03-48	03 00 00 - (16"x18") Reinforced Concrete Foundation Wall - CW-16	CY	25.61	0%	0%	25.61	7.00	179.30	$ 69.95	$ 12,542.05	$ 160.000	$ 4,098.29	$ -	$ -	$ 16,640.34
03-49	03 00 00 - (16"x24"x22'-6") Reinforced Concrete Column - C1	CY	39.90	0%	0%	39.90	4.00	159.60	$ 69.95	$ 11,164.02	$ 160.000	$ 6,384.00	$ -	$ -	$ 17,548.02
03-50	03 00 00 - (24"x24"x22'-6") Reinforced Concrete Column - C2	CY	13.33	0%	0%	13.33	4.10	54.67	$ 69.95	$ 3,823.93	$ 160.000	$ 2,133.33	$ -	$ -	$ 5,957.27
03-51	03 00 00 - (16"x16"x22'-6") Reinforced Concrete Column - C3	CY	7.37	0%	0%	7.37	3.50	25.80	$ 69.95	$ 1,804.46	$ 160.000	$ 1,179.27	$ -	$ -	$ 2,983.73
03-52	03 00 00 - (16"x16"x22'-6") Reinforced Concrete Column - C4	CY	7.37	0%	0%	7.37	3.50	25.80	$ 69.95	$ 1,804.46	$ 160.000	$ 1,179.27	$ -	$ -	$ 2,983.73
03-53	03 00 00 - (16"x16"x12'-9") Reinforced Concrete Column - C4	CY	1.67	0%	0%	1.67	3.30	5.51	$ 69.95	$ 385.64	$ 160.000	$ 267.30	$ -	$ -	$ 652.94
03-54	03 00 00 - (16"x16"x12'-9") Reinforced Concrete Column - C5	CY	5.85	0%	0%	5.85	3.30	19.30	$ 69.95	$ 1,349.74	$ 160.000	$ 935.55	$ -	$ -	$ 2,285.29
03-55	03 00 00 - (6") thk. Reinforced Concrete Trench Slab	CY	18.21	0%	0%	18.21	1.35	24.59	$ 69.95	$ 1,719.81	$ 160.000	$ 2,913.93	$ -	$ -	$ 4,633.73
03-56	03 00 00 - (8") thk. Concrete Slab Reinf. W/ #3 @ 12" O.C. Each Way	CY	177.01	0%	0%	177.01	1.41	249.59	$ 69.95	$ 17,458.73	$ 160.000	$ 28,322.13	$ -	$ -	$ 45,780.86
03-57	03 00 00 - (12") thk. Concrete Slab Reinf. W/ #3 @ 8" O.C. Each Way	CY	67.66	0%	0%	67.66	1.50	101.49	$ 69.95	$ 7,099.50	$ 160.000	$ 10,826.01	$ -	$ -	$ 17,925.51
03-58	03 00 00 - (16"x24") Reinforced Concrete Tie Beam	CY	37.93	0%	0%	37.93	2.00	75.86	$ 69.95	$ 5,306.36	$ 160.000	$ 6,068.74	$ -	$ -	$ 11,375.10
03-59	03 00 00 - (16"x36") Reinforced Concrete Tie Beam - RB16x36	CY	36.94	0%	0%	36.94	2.00	73.89	$ 69.95	$ 5,168.53	$ 160.000	$ 5,911.11	$ -	$ -	$ 11,079.64
03-60	03 00 00 - (24"x36") Reinforced Concrete Tie Beam - RB24x36	CY	9.13	0%	0%	9.13	2.00	18.26	$ 69.95	$ 1,277.13	$ 160.000	$ 1,460.62	$ -	$ -	$ 2,737.75
03-61	03 00 00 - (10") thk. Reinforced Concrete Slab	CY	61.45	0%	0%	61.45	2.00	122.91	$ 69.95	$ 8,597.34	$ 160.000	$ 9,832.56	$ -	$ -	$ 18,429.90
03-62	03 00 00 - (16"x24") Reinforced Concrete Tie Beam	CY	39.52	0%	0%	39.52	1.45	57.31	$ 69.95	$ 4,008.69	$ 160.000	$ 6,323.63	$ -	$ -	$ 10,332.31
03-64	**Reinforcing**														
03-65	03 00 00 - Rebar, #3	LBS	7,416.28	0%	0%	7,416.28	0.01	81.58	$ 69.95	$ 5,706.46	$ 1.220	$ 9,047.86	$ -	$ -	$ 14,754.31
03-66	03 00 00 - Rebar, Assumed for "238 CY"	LBS	59,506.98	0%	0%	59,506.98	0.01	773.59	$ 69.95	$ 54,112.67	$ 0.800	$ 47,605.58	$ -	$ -	$ 101,718.26
03-68	**Misc**														
03-69	03 00 00 - (8") Hollow Core Planks	SF	1,336.39	0%	0%	1,336.39	0.03	42.76	$ 69.95	$ 2,991.38	$ 13.430	$ 17,947.72	$ -	$ -	$ 20,939.09
	SUB TOTAL:							2,646.65		$ 185,133.16		$ 163,482.71	$ -	$ -	$ 348,615.87

	Division 04 00 00 - Masonry	Units	Regular Quantity	Waste Quantity	Attic Stock Quantity	Total Quantity	Unit Labor	Total Labor Hours	Labor Hour Rate	Labor Cost Extended	Materials Unit Cost	Material Cost Extended	Equipment Total	Subcontractor Total	Total Cost
03-75	**SF**														
03-76	04 00 00 - CMU, 12"x8"x16" (22'9" Height)	SF	7,042.72	0%	0%	7,042.72	0.25	1,732.51	$ 62.83	$ 108,853.52	$ 5.650	$ 39,791.36	$ -	$ -	$ 148,644.87
03-77	04 00 00 - CMU, 12"x8"x16" (12'9" Height)	SF	1,420.48	0%	0%	1,420.48	0.20	276.99	$ 62.83	$ 17,403.48	$ 5.650	$ 8,025.70	$ -	$ -	$ 25,429.18
03-78	**LF**														
03-79	04 00 00 - CMU, 12"x8"x16" (22'9" Height)	LF	309.57	0%	0%	309.57	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-80	04 00 00 - CMU, 12"x8"x16" (12'9" Height)	LF	111.41	0%	0%	111.41	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-81	**EA**														
03-82	04 00 00 - CMU, 12"x8"x16" (22'9" Height)	EA	9,933.00	0%	0%	9,933.00	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-83	04 00 00 - CMU, 12"x8"x16" (12'9" Height)	EA	2,071.00	0%	0%	2,071.00	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -
03-85	**Misc.**														
03-86	04 00 00 - CMU, Mortar-Type 'S', ASTM C270, Spec Mix SPEC MIX® Portland Lime & Sand (3,000 lb Bulk Bag) or Equivalent	EA	20.00	0%	0%	20.00	2.00	40.00	$ 62.83	$ 2,513.20	$ 620.000	$ 12,400.00	$ -	$ -	$ 14,913.20
03-87	04 00 00 - CMU, Horizontal Wall Reinforcement, Standard Truss Dur-O-Wall (9 Ga. Side x 9 Ga. Cross), 10ft. Long	EA	804.00	0%	0%	804.00	0.01	5.63	$ 62.83	$ 353.61	$ 0.550	$ 442.20	$ -	$ -	$ 795.81
03-88	04 00 00 - Vertical Reinforcing, #5	LBS	2,407.33	0%	0%	2,407.33	0.01	21.67	$ 62.83	$ 1,361.27	$ 1.120	$ 2,696.21	$ -	$ -	$ 4,057.48
	SUB TOTAL:							2,076.80		$ 130,485.08		$ 63,355.47	$ -	$ -	$ 193,840.55

Qualifications

Exclude: Trash Enclosure and adjacent concrete paving, assumed by site paving contractor
Exclude: Curb & Gutter
Exclude: Concrete Patios
Exclude: Sidewalks
Exclude: Lintels over openings and storefronts. Assumed by Misc. Metals Contractor.
Note: The drawings refer the to the structural drawings for trash enclosure footing details. These are not shown. This estimate assumes the sizes and reinforcing as noted in the takeoff. The contractor should confirm the final details prior to installation.

Note: Billable Labor Rate is based on (2) Labors @ $46.50/hr & (4) Masons @ $71/hr

Project Summary

Total Labor		Hrs.	4,723.45
Total Labor Cost		$	315,618.24
Total Material		$	226,838.18
Total Equipment		$	-
Total Subcontractor		$	-
Subtotal Construction		$	542,456.42
Contingency	7.5%	$	40,684.23
Trade Contractor Default Insurance	0.0%	$	-
General Requirements	10.0%	$	58,314.07
Fee	15.0%	$	96,218.21
Builders Risk Insurance	10.0%	$	
Liability Insurance	0.0%	$	-
Subtotal Construction		$	737,672.93