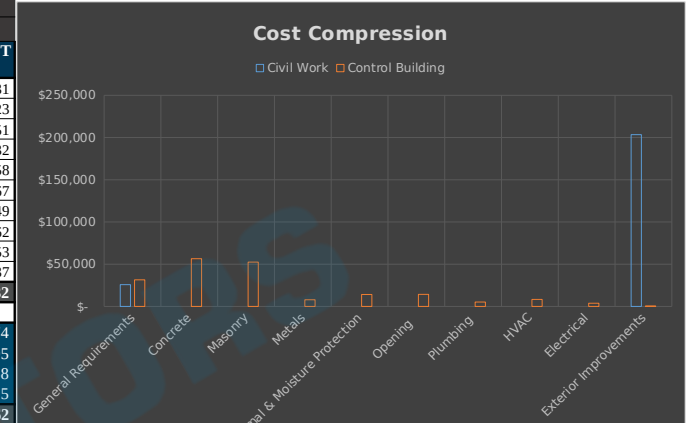


GENERAL SUMMARY

Prepared for: Sofi Lakes Water Treatment Plant
Project ID: 10102025
Scope: Civil Work Concrete & Entire Control Building
Date: 6-Oct-26



NAME		Civil Works		Control Building	
TOTAL GSF		10724		1478	
DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)
01 00 00	General Requirements	\$ 25,750	\$ 2.40	\$ 31,500	\$ 21.31
03 00 00	Concrete			\$ 56,505	\$ 38.23
04 00 00	Masonry			\$ 52,479	\$ 35.51
05 00 00	Metals			\$ 7,868	\$ 5.32
07 00 00	Thermal & Moisture Protection			\$ 14,163	\$ 9.58
08 00 00	Opening			\$ 14,292	\$ 9.67
22 00 00	Plumbing			\$ 5,156	\$ 3.49
23 00 00	HVAC			\$ 8,301	\$ 5.62
26 00 00	Electrical			\$ 3,742	\$ 2.53
32 00 00	Exterior Improvements	\$ 203,442	\$ 18.97	\$ 540	\$ 0.37
TOTAL TRADE COST		\$ 229,192	\$ 21	\$ 194,547	\$ 132
OVERHEAD AND PROFIT 15%		\$ 34,379	\$ 3.21	\$ 29,182	\$ 19.74
INSURANCE 3%		\$ 6,876	\$ 0.64	\$ 5,836	\$ 3.95
CONTINGENCY 5%		\$ 11,460	\$ 1.07	\$ 9,727	\$ 6.58
TAX 6%		\$ 6,277	\$ 0.04	\$ 6,008	\$ 0.25
SUGGESTED BID		\$ 288,183	\$ 26	\$ 245,301	\$ 162



DETAILED BREAKDOWN OF ITEMS

Prepared for: Sofi Lakes Water Treatment Plant
Project ID: 10102025
Scope: Foundation Concrete in Civil Set



Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOURL	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
GENERAL REQUIREMENTS													
1			Permits	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ -	\$ -
2			Supervision and Coordination	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ 10,000.00	\$ 10,000.00
3			Submittals and Shop drawings	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ -	\$ -
4			Final Cleaning	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ 4,500.00	\$ 4,500.00
5			Mobilization Costs	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00
6			Temporary Control & Facilities	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ 6,250.00	\$ 6,250.00
7			Scaffolding	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ -	\$ -
												SUBTOTAL	\$ 25,750

EXTERIOR IMPROVEMENTS													
			BASES, BALLASTS AND PAVING										
			ROAD/DRIVEWAY										
			RIGID PAVING:										
			Concrete Pavement As:										
8	Sheet 1	As Shown / Sheet 6	7" Thk. Concrete Pavement 3500 PSI	SF	8607	10%	9468	0.07	\$ 53.50	\$ 3.48	\$ 6.95	\$ 10.43	\$ 98,724.44
9			#4 Bars @ 24" O.C. Each Way	LBS	7187	10%	7906	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 15,040.27
10			Formwork	SF	481	10%	530	0.06	\$ 53.50	\$ 2.94	\$ -	\$ 2.94	\$ 1,558.17
11			6" Cement Stabilized Sand	SF	8607	10%	9468	0.01	\$ 53.50	\$ 0.27	\$ 0.35	\$ 0.62	\$ 5,846.30
12			Sawcut / Control Joint @ 20'-0" O.C.	LF	430	10%	473	0.07	\$ 53.50	\$ 3.75	\$ 1.25	\$ 5.00	\$ 2,364.56
13			1/2" Wide Expansion Joints W/ Joint Filler	LF	165	10%	182	0.05	\$ 53.50	\$ 2.68	\$ 0.85	\$ 3.53	\$ 639.79
			EARTHWORK										
			SWALE										
14	Sheet 1	As Shown / Sheet 1	5'-0" Wide x 0'-6" Deep Backslope Swale	LF	950	10%	1045	0.09	\$ 53.50	\$ 4.82	\$ 1.15	\$ 5.97	\$ 6,233
			FOUNDATIONS										
			WATER TANK										
			Cont. Concrete Footing:										
15	Sheet 2	As Shown / Sheet 2	14" Wide x 50" Deep Cont. Concrete Footing:	LF	134	10%	147						
16			Concrete 3500 PSI	CY	24	10%	26	2.85	\$ 53.50	\$ 152.48	\$ 230.00	\$ 382.48	\$ 10,076.00
17			(10) #6 Cont. Bars	LBS	2518	10%	2769	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 5,268.55
18			#3 Bar Ties @ 12" O.C.	LBS	542	10%	596	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 1,133.45
19			Formwork Note: Since This Is A 38'-0" Diameter Circular Tank, The Formwork Shall Be Applied In A Circular Shape Accordingly.	SF	1115	10%	1226	0.06	\$ 53.50	\$ 2.94	\$ -	\$ 2.94	\$ 3,608.59
20			Excavation	CY	145	10%	160	0.75	\$ 53.50	\$ 40.13	\$ -	\$ 40.13	\$ 6,413.54
21			Bank Sand Backfill Note: Sand will be placed and compacted in 6" lifts	CY	149	10%	164	0.45	\$ 53.50	\$ 24.08	\$ 28.50	\$ 52.58	\$ 8,645.23
22			Haul Off Excessive Excavated Soil	CY	145	10%	160	0.50	\$ 53.50	\$ 26.75	\$ -	\$ 26.75	\$ 4,275.69
			HYDROPNEUMATIC TANK										
			Cont. Concrete Footing:										
23	Sheet 3	As Shown / Sheet 3	48" Wide x 12" Deep Cont. Concrete Footing:	LF	28	10%	31						
24			Concrete 3500 PSI Incl. -2" x 6" Continue Keyway	CY	4	10%	5	2.85	\$ 53.50	\$ 152.48	\$ 230.00	\$ 382.48	\$ 1,745.22
25			#5 Cont. Bars @ 12" O.C. Top & Bottom	LBS	365	10%	402	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 763.96

DETAILED BREAKDOWN OF ITEMS														
Prepared for:		Sofi Lakes Water Treatment Plant												
Project ID:		10102025												
Scope:		Foundation Concrete in Civil Set												
												Date:	6-Oct-26	
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOURL	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST	
26	Sheet 3	As Shown / Sheet 3	#5 Transverse Bars @ 12" O.C. Top & Bottom	LBS	8	10%	9	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 17.46	
27			#5 Dowel Bar @ 12" O.C. (5'-0" Long) Each Face	LBS	302	10%	333	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 632.99	
28			Formwork	SF	56	10%	62	0.06	\$ 53.50	\$ 2.94	\$ -	\$ 2.94	\$ 181.26	
29			Excavation	CY	16	10%	17	0.75	\$ 53.50	\$ 40.13	\$ -	\$ 40.13	\$ 686.58	
30			Backfill	CY	10	10%	11	0.45	\$ 53.50	\$ 24.08	\$ -	\$ 24.08	\$ 276.01	
			Concrete Wall:											
31	Sheet 3	As Shown / Sheet 3	12" Wide x 42" High Concrete Wall:	LF	20	10%	22							
32			Concrete 3500 PSI	CY	3	10%	3	2.85	\$ 53.50	\$ 152.48	\$ 230.00	\$ 382.48	\$ 1,090.76	
33			#5 Horizontal Bars @ 12" O.C. Each Face	LBS	235	10%	258	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 491.12	
34			Formwork	SF	140	10%	154	0.06	\$ 53.50	\$ 2.94	\$ -	\$ 2.94	\$ 453.15	
			Note: Excavation And Backfill For The Concrete Wall Have Been Covered Above The Continuous Footing Details.											
			Concrete Slab/Pad:											
35	Sheet 3	As Shown / Sheet 3	14'-0" Wide x 34'-0 Long x 6" Thk. Pad:	SF	476	10%	524							
36			Concrete 3500 PSI	CY	8	10%	9	2.85	\$ 53.50	\$ 152.48	\$ 230.00	\$ 382.48	\$ 3,552.77	
37			#4 Bars @ 24" O.C. Each Way	LBS	381	10%	419	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 796.84	
38			Formwork	SF	48	10%	53	0.06	\$ 53.50	\$ 2.94	\$ -	\$ 2.94	\$ 155.36	
39			Excavation	CY	476	10%	524	0.75	\$ 53.50	\$ 40.13	\$ -	\$ 40.13	\$ 21,009.45	
40			1/2" Wide Expansion Joints W/ Joint Filler	LF	44	10%	48	0.03	\$ 53.50	\$ 1.34	\$ 0.52	\$ 1.86	\$ 89.90	
			METER STATION											
			Concrete Pad Footing:											
41	Sheet 5	As Shown / Sheet 5	24" Wide x 36" Long x 6" Deep Concrete Pad Footing:	EA	2	0%	2							
42			Reinforced Concrete 3500 PSI	CY	0.3	10%	0.3	3.25	\$ 53.50	\$ 173.88	\$ 230.00	\$ 403.88	\$ 132.29	
43			Formwork	SF	13	10%	15	0.06	\$ 53.50	\$ 2.94	\$ -	\$ 2.94	\$ 43.37	
44			Excavation	CY	1	10%	1	0.75	\$ 53.50	\$ 40.13	\$ -	\$ 40.13	\$ 39.23	
45			Backfill	CY	0.5	10%	1	0.45	\$ 53.50	\$ 24.08	\$ -	\$ 24.08	\$ 13.03	
			Concrete Wall:											
46	Sheet 5	As Shown / Sheet 5	8" Wide x 20" High Concrete Wall:	LF	4	10%	4							
47			Reinforced Concrete 3500 PSI	CY	0.2	10%	0.2	3.25	\$ 53.50	\$ 173.88	\$ 230.00	\$ 403.88	\$ 73.64	
48			Formwork	SF	20	10%	22	0.06	\$ 53.50	\$ 2.94	\$ -	\$ 2.94	\$ 65.16	
			Note: Excavation And Backfill For The Concrete Wall Have Been Covered Above The Continuous Footing Details.											
			Concrete Slab/Pad:											
49	Sheet 3	As Shown / Sheet 3	6'-0" Wide x 20'-0 Long x 6" Thk. Pad:	SF	120	10%	132							
50			Concrete 3500 PSI	CY	2	10%	2	2.85	\$ 53.50	\$ 152.48	\$ 230.00	\$ 382.48	\$ 914.06	
51			#4 Bars @ 24" O.C. Each Way	LBS	92	10%	101	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 192.22	
52			Formwork	SF	34	10%	37	0.06	\$ 53.50	\$ 2.94	\$ -	\$ 2.94	\$ 108.98	
53			Excavation	CY	1	10%	1	0.75	\$ 53.50	\$ 40.13	\$ -	\$ 40.13	\$ 47.95	
54			1/2" Dia. PEA Gravel	CY	0.13	10%	0.14	0.45	\$ 53.50	\$ 24.08	\$ 55.50	\$ 79.58	\$ 11.35	
55			Fabric Barrier	SF	7	10%	8	0.01	\$ 53.50	\$ 0.54	\$ 0.45	\$ 0.99	\$ 7.58	
56			1/2" Wide Expansion Joints W/ Joint Filler	LF	11	10%	12	0.03	\$ 53.50	\$ 1.34	\$ 0.52	\$ 1.86	\$ 22.48	
												SUBTOTAL	\$ 203,442	
												PROJECTED COST	\$229,192	
OVERHEAD AND PROFIT												15%	\$34,379	
INSURANCE												3%	\$6,876	
CONTINGENCY												5%	\$11,460	
TAX												6%	\$6,277	
SUGGESTED BID FOR CIVIL WORKS													\$288,183	
Notes:														
1. We Have Assumed The Concrete Strength To Be 3500 PSI Unless Otherwise Noted.														
2. We Have Prepared Our Takeoff As Specified In The Scope Of Work; However, Other Structures Such As The Utilities, Generator Pad, Water Well, Etc., Have Been Excluded From Our Takeoff. Please Verify.														

DETAILED BREAKDOWN OF ITEMS

Prepared for: Sofi Lakes Water Treatment Plant
Project ID: 10102025
Scope: Complete Construction of Control Building



Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOURL	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
GENERAL REQUIREMENTS													
1			Permits	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ -	\$ -
2			Supervision and Coordination	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ 10,000.00	\$ 10,000.00
3			Submittals and Shop drawings	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ -	\$ -
4			Final Cleaning	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ 2,500.00	\$ 2,500.00
5			Mobilization Costs	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ 6,000.00	\$ 6,000.00
6			Temporary Control & Facilities	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ 2,000.00	\$ 2,000.00
7			Scaffolding	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ 1,500.00	\$ 1,500.00
8			Equipment/concrete slab lifting machine	LS	1	0%	1	0.00	\$ -	\$ -	\$ -	\$ 9,500.00	\$ 9,500.00
SUBTOTAL													\$ 31,500

CONCRETE													
			CAST IN PLACE CONCRETE										
			STRUCTURAL CONCRETE										
			Concrete Grade Beam:										
9	Sheet 9	As Shown / Sheet 9	12" Wide x 18" Deep Concrete Grade Beam:	LF	220	10%	242						
10			Concrete 3500 PSI	CY	17	10%	19	2.85	\$ 53.50	\$ 152.48	\$ 230.00	\$ 382.48	\$ 7,148.08
11			(2) #6 Cont. Bars Top & Bottom	LBS	1653	10%	1819	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 3,459.94
12			#3 Ties @ 10" O.C. (10'-0" Long)	LBS	1000	10%	1100	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 2,093.56
13			#4 Dowel Bar @ 24" O.C. (3'-0" Long)	LBS	222	10%	245	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 465.52
14			#4 Dowel Bar @ 40" O.C. (2'-0" Long)	LBS	90	10%	99	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 187.51
15			#5 Dowel Bar @ 48" O.C. (4'-0" Long)	LBS	234	10%	257	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 488.93
16			Excavation	CY	17	10%	19	0.75	\$ 53.50	\$ 40.13	\$ -	\$ 40.13	\$ 749.90
17	Sheet 9	As Shown / Sheet 9	Concrete Slab/Pad:										
18			6" Thk. Concrete Slab As:	SF	1325	10%	1458						
19			Concrete 3500 PSI	CY	25	10%	27	2.85	\$ 53.50	\$ 152.48	\$ 230.00	\$ 382.48	\$ 10,323.28
20			#4 Bars @ 24" O.C. Each Way	LBS	1106	10%	1217	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 2,315.37
21			10 Mil. Vapor Barrier Note: Spec's Are Assumed. Sawcut/Control Joint @ 20'-0" O.C.	SF	1325	10%	1458	0.01	\$ 53.50	\$ 0.54	\$ 0.52	\$ 1.06	\$ 1,537.66
				LF	66	10%	73	0.08	\$ 53.50	\$ 4.28	\$ 1.25	\$ 5.53	\$ 403.00
			CONCRETE FINISHING										
22	Sheet 7,8	Assumed	Sealed Concrete At Floor	SF	1175	10%	1293	0.05	\$ 53.50	\$ 2.68	\$ 1.45	\$ 4.13	\$ 5,332
23		Assumed	4" Integral Sealed Concrete Cove Base	LF	244	10%	268	0.05	\$ 53.50	\$ 2.41	\$ 9.95	\$ 12.36	\$ 3,317
			PRE-CAST CONCRETE										
			PRE-CAST STRUCTURAL CONCRETE:										
24	Sheet 7	As Shown / Sheet 7	8" Thk. Hollow Core Concrete Units @ Roof -Panel Size: 3'-4" Wide x 22'-0" Long -Strength 6000 PSI	EA	19	0%	19	6.34	\$ 53.50	\$ 338.92	\$ 588.25	\$ 927.17	\$ 17,616.28
25			8" Thk. Hollow Core Concrete Units @ Roof -Panel Size: 2'-4" Wide x 22'-0" Long -Strength 6000 PSI	EA	1	0%	1	4.45	\$ 53.50	\$ 237.81	\$ 412.75	\$ 650.56	\$ 650.56
26			8" Thk. Hollow Core Concrete Units @ Roof -Panel Size: 1'-6" Wide x 22'-0" Long -Strength 6000 PSI	EA	1	0%	1	2.85	\$ 53.50	\$ 152.61	\$ 264.88	\$ 417.48	\$ 417.48
			Note: Concrete Strength Is Assumed. Please Verify.										
SUBTOTAL												\$	56,505

DETAILED BREAKDOWN OF ITEMS														
Prepared for: Sofi Lakes Water Treatment Plant														
Project ID: 10102025														
Scope: Complete Construction of Control Building														
		Date: 6-Oct-26												
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST	
MASONRY														
			UNIT MASONRY											
			CONCRETE UNIT MASONRY											
			8" Thk. CMU Wall As:											
27	Sheet 9	As Shown / Sheet 9	8" x 8" x 16" Hollow Concrete Masonry Wall Incl. No of CMU Blocks = 2774 EA - "Type S" Mortar (1900 PSI min.) - Masonry Strength: 1500 PSI	SF	2469	10%	2716	0.12	\$ 53.50	\$ 6.42	\$ 4.88	\$ 11.30	\$ 30,690.66	
28			#5 Vertical Bars @ 48" O.C.	LBS	823	10%	906	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 1,723.00	
29			#5 Vertical Bars @ Opening & Corner	LBS	219	10%	241	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 458.38	
30			9 GA. Horizontal Reinforcement @ 16" O.C.	LF	1851	10%	2036	0.01	\$ 53.50	\$ 0.64	\$ 0.86	\$ 1.50	\$ 3,058.22	
31			2000 PSI Grout	CY	28	10%	31	1.85	\$ 53.50	\$ 98.98	\$ 205.00	\$ 303.98	\$ 9,362.43	
			BOND BEAM:											
32	Sheet 9	As Shown / Sheet 9	8" x 8" x 16" Depressed Open Web Bond Beam No of CMU Blocks = 170 EA - "Type S" Mortar (1900 PSI min.) - Masonry Strength: 1500 PSI	LF	227	10%	250	0.15	\$ 53.50	\$ 8.03	\$ 7.27	\$ 15.30	\$ 3,819.16	
33			(2) #5 Cont. Bars	LBS	592	10%	651	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 1,238.70	
34			2000 PSI Grout @ Bond Beam	CY	4	10%	4	1.85	\$ 53.50	\$ 98.98	\$ 205.00	\$ 303.98	\$ 1,170.30	
			LINTEL BEAM:											
35	Sheet 9	As Shown / Sheet 9	8" x 8" x 16" Depressed Open Web Bond Beam No of CMU Blocks = 21 EA - "Type S" Mortar (1900 PSI min.) - Masonry Strength: 1500 PSI	LF	28	10%	31	0.15	\$ 53.50	\$ 8.03	\$ 7.27	\$ 15.30	\$ 471.09	
36			(2) #5 Cont. Bars	LBS	73	10%	80	0.02	\$ 53.50	\$ 0.80	\$ 1.10	\$ 1.90	\$ 152.79	
37			2000 PSI Grout @ Bond Beam	CY	1	10%	1	1.85	\$ 53.50	\$ 98.98	\$ 205.00	\$ 303.98	\$ 334.37	
												SUBTOTAL	\$ 52,479	
METALS														
			STRUCTURAL METAL FRAMING											
			STRUCTURAL STEEL FRAMING:											
38	Sheet 7	As Shown / Sheet 7	Steel Beam: S10 x 25.4 Beam (69 LF)	LBS	1753	10%	1928	0.02	\$ 53.50	\$ 0.96	\$ 1.45	\$ 2.41	\$ 4,651.93	
39			Steel Column: WF6 x 15 Column (11'-2" High) (4 EA)	LBS	670	10%	737	0.02	\$ 53.50	\$ 0.96	\$ 1.45	\$ 2.41	\$ 1,777.32	
40			OVERHEAD CRANE: S6 x 12.5 Beam (8 LF)	LBS	100	10%	110	0.02	\$ 53.50	\$ 0.96	\$ 1.45	\$ 2.41	\$ 265.43	
41			Bridge Trolleys	EA	4	0%	4	0.55	\$ 53.50	\$ 29.43	\$ 69.99	\$ 99.42	\$ 397.66	
42			1 Ton Capacity Hoist Hook	EA	2	0%	2	0.25	\$ 53.50	\$ 13.38	\$ 28.35	\$ 41.73	\$ 83.45	
					BASE PLATE:									
43			10" x 10" x 3/4" Column Base Plate (4 EA) Note: Details Are Assumed.	LBS	85	10%	94	0.02	\$ 53.50	\$ 0.96	\$ 1.45	\$ 2.41	\$ 225.83	
44			CONNECTIONS: 1/2" Dia.x 8" Anchor Bolts W/ Plates @ Beam To Roof Connection	EA	15	0%	15	0.10	\$ 53.50	\$ 5.35	\$ 8.95	\$ 14.30	\$ 211.64	
45			5/8" Dia. X 8" Long Anchor Bolts W/ Nuts & Washers	EA	16	0%	16	0.10	\$ 53.50	\$ 5.08	\$ 7.40	\$ 12.48	\$ 199.72	
46	5/8" Dia. X 2" Long Anchor Bolts W/ Nuts & Washers	EA	8	0%	8	0.05	\$ 53.50	\$ 2.68	\$ 4.15	\$ 6.83	\$ 54.60			
												SUBTOTAL	\$ 7,868	
THERMAL & MOISTURE PROTECTION														
			THERMAL PROTECTION											
			THERMAL INSULATION:											
47			R-4.5 Rigid Insulation Note: Specs Are Assumed. Please Verify.	SF	1480	10%	1628	0.01	\$ 53.50	\$ 0.64	\$ 0.85	\$ 1.49	\$ 2,429	
			VAPOR RETARDERS:											

DETAILED BREAKDOWN OF ITEMS

Prepared for: Sofi Lakes Water Treatment Plant
Project ID: 10102025
Scope: Complete Construction of Control Building



Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
48	Sheet 7		20 MIL. Roof Vapor Barrier <i>Note: Specs Are Assumed. Please Verify.</i>	SF	1480	10%	1628	0.01	\$ 53.50	\$ 0.54	\$ 0.55	\$ 1.09	\$ 1,766
			UNDERLAYMENT:										
			1/2" Roof Cover Board <i>Note: Thickness Is Assumed. Please Verify.</i>	SF	1480	10%	1628	0.02	\$ 53.50	\$ 0.80	\$ 1.05	\$ 1.85	\$ 3,016
			MEMBRANE ROOFING										
			THERMOPLASTIC MEMBRANE ROOFING:										
50			60 Mil TPO Roof Membrane	SF	1480	10%	1628	0.02	\$ 53.50	\$ 0.80	\$ 1.85	\$ 2.65	\$ 4,318
			FLASHING AND SHEET METAL										
			SHEET METAL FLASHING AND TRIM:										
51			24 Ga. Galv. Metal Gravel Guard	LF	178	10%	196	0.03	\$ 53.50	\$ 1.61	\$ 3.35	\$ 4.96	\$ 970
			FLEXIBLE FLASHING:										
52			Flexible Membrane Flashing @ Roof Vents	LF	6	10%	7	0.03	\$ 53.50	\$ 1.50	\$ 3.15	\$ 4.65	\$ 32
			ROOF AND WALL SPECIALTIES & ACCESSORIES										
			ROOF ACCESSORIES:										
53			2 x 8 Treated Wood Nailer	LF	178	10%	196	0.02	\$ 53.50	\$ 0.96	\$ 1.85	\$ 2.81	\$ 551
54			1/2" Dia x 8" Anchor Bolts @ 24" O.C.	EA	90	0%	90	0.09	\$ 53.50	\$ 4.82	\$ 4.95	\$ 9.77	\$ 879
			JOINT PROTECTION										
			JOINT SEALANT:										
55	Sheet 8	As Shown/ Sheet 9	Sealant @ Door Frames	LF	186	10%	205	0.01	\$ 53.50	\$ 0.54	\$ 0.45	\$ 0.99	\$ 202
SUBTOTAL \$													14,163

OPENINGS													
			DOORS AND FRAMES										
			METAL DOORS AND FRAMES:										
56	Sheet 8	As Shown / Sheet 8	10'-0" Wide x 10'-0" High Overhead Steel Door W/ Mortar Filled Hollow Metal Frame	EA	1	0%	1	15.00	\$ 53.50	\$ 802.50	\$ 3,850.00	\$ 4,652.50	\$ 4,653
57			3'-0" Wide x 8'-0" High Single Leaf Steel Door W/ Mortar Filled Hollow Metal Frame	EA	1	0%	1	5.52	\$ 53.50	\$ 295.32	\$ 1,248.00	\$ 1,543.32	\$ 1,543
			FIBERGLASS DOORS AND FRAMES:										
58			6'-0" Wide x 8'-0" High Double Leaf Louvered Fiberglass Door W/ Mortar Filled Hollow Metal Frame	EA	2	0%	2	9.60	\$ 53.50	\$ 513.60	\$ 2,160.00	\$ 2,673.60	\$ 5,347
			HARDWARE										
			DOOR HARDWARE:										
59			Allowance For Door Hardware's	EA	4	0%	4	2.85	\$ 53.50	\$ 152.48	\$ 450.00	\$ 602.48	\$ 2,410
60		Sheet 9	4" x 1/2" Alum. Threshold	LF	22	10%	24	0.07	\$ 53.50	\$ 3.48	\$ 10.55	\$ 14.03	\$ 339
SUBTOTAL \$													14,292

PLUMBING													
			DRAIN PIPE (BELOW GRADE)										
			SCH 40 PVC Pipe W/ ASTM Standards & Fittings										
61	As Per Plans		4" Dia Drain Pipe	LF	74	10%	81	0.250	\$ 53.50	\$ 13.36	\$ 21.50	\$ 34.86	\$ 2,837.74
			Ductile Iron Pipe W/ ASTM Standards & Fittings										
62			4" Dia Drain Pipe	LF	12	10%	13	0.30	\$ 53.50	\$ 16.05	\$ 41.82	\$ 57.87	\$ 763.88
			DRAIN PIPE FITTINGS										
			ELBOW										
63			4" Dia D.I Drain Pipe 45 Deg Elbow	EA	1	0%	1	0.820	\$ 53.50	\$ 43.87	\$ 57.53	\$ 101.40	\$ 101.40
			WYE										
64			4" Dia PVC Drain Pipe Wye	EA	1	0%	1	0.793	\$ 53.50	\$ 42.44	\$ 25.50	\$ 67.94	\$ 67.94
			MISCELLANEOUS										
			TRAP										
65			4" Dia PVC Drain Pipe Trap	EA	4	0%	4	0.52	\$ 53.50	\$ 27.82	\$ 46.48	\$ 74.30	\$ 297.20
66			4" Dia Ductile Iron Drain Pipe Trap	EA	1	0%	1	0.68	\$ 53.50	\$ 36.38	\$ 85.00	\$ 121.38	\$ 121.38

DETAILED BREAKDOWN OF ITEMS

Prepared for: Sofi Lakes Water Treatment Plant
 Project ID: 10102025
 Scope: Complete Construction of Control Building



Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
			TRENCHING & BACKFILLING										
67			Excavation & Backfilling (3' Deep x 1' Wide Trench) Including All Labor and Material/Equipment	CFT	258	0%	258	0.07	\$ 53.50	\$ 3.75	\$ -	\$ 3.75	\$ 966.21
												SUBTOTAL	\$ 5,156
HVAC													
			AIR CONDITIONER										
68			Window Room Air Conditioner, FRIEDRICH, GRAINER #3DU30, 28000 BTU	EA	1	0%	1	3.00	\$ 53.50	\$ 160.50	\$ 2,559.00	\$ 2,719.50	\$ 2,719.50
			EXHAUST FAN										
69			8" Exhaust Fan W/ Screen	EA	2	0%	2	1.00	\$ 53.50	\$ 53.50	\$ 114.25	\$ 167.75	\$ 335.50
			EXHAUST VENT										
70			24" Electric Air Exhaust Vent	EA	2	0%	2	1.50	\$ 53.50	\$ 80.25	\$ 379.99	\$ 460.24	\$ 920.48
			GRAVITY LOUVER										
71			24"x24" Gravity Louver Intake Vent W/ Screen	EA	1	0%	1	1.45	\$ 53.50	\$ 77.58	\$ 229.94	\$ 307.52	\$ 307.52
			MISCELLANEOUS										
72			Ultrasonic Level Sensor	EA	2	0%	2	1.85	\$ 53.50	\$ 98.98	\$ 475.98	\$ 574.96	\$ 1,149.91
73			Ultrasonic Level Controller	EA	1	0%	1	3.00	\$ 53.50	\$ 160.50	\$ 725.00	\$ 885.50	\$ 885.50
74			Future Ultrasonic Level Indicator Controller	EA	1	0%	1	3.50	\$ 53.50	\$ 187.25	\$ 1,289.80	\$ 1,477.05	\$ 1,477.05



DETAILED BREAKDOWN OF ITEMS

Prepared for: Sofi Lakes Water Treatment Plant
 Project ID: 10102025
 Scope: Complete Construction of Control Building



Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
75			Future Ultrasonic Level Transducer	EA	1	0%	1	1.70	\$ 53.50	\$ 90.95	\$ 415.00	\$ 505.95	\$ 505.95
												SUBTOTAL	\$ 8,301
ELECTRICAL													
			POWER										
			CONDUIT										
76			3/4" EMT Conduit	LF	165	10%	182	0.06	\$ 53.50	\$ 3.32	\$ 1.96	\$ 5.28	\$ 958.14
77			3/4" Flex S Conduit	LF	15	10%	17	0.06	\$ 53.50	\$ 2.94	\$ 1.25	\$ 4.19	\$ 69.18
78			3/4" LFMC Conduit	LF	10	10%	11	0.06	\$ 53.50	\$ 3.32	\$ 2.44	\$ 5.76	\$ 63.33
			CONDUCTOR										
79			#12 CU THHN/THWN	LF	505	10%	556	0.007	\$ 53.50	\$ 0.37	\$ 0.25	\$ 0.62	\$ 346.91
80			#10 CU THHN/THWN	LF	22	10%	24	0.008	\$ 53.50	\$ 0.43	\$ 0.38	\$ 0.81	\$ 19.55
81			#8 CU THHN/THWN	LF	43	10%	47	0.009	\$ 53.50	\$ 0.48	\$ 0.56	\$ 1.04	\$ 49.26
			DEVICE										
82			Equipment Connection	EA	5	0%	5	0.42	\$ 53.50	\$ 22.47	\$ -	\$ 22.47	\$ 112.35
			LIGHTING										
			CONDUIT										
83			3/4" EMT Conduit	LF	149	10%	164	0.06	\$ 53.50	\$ 3.32	\$ 1.96	\$ 5.28	\$ 865.23
			CONDUCTOR										
84			#10 CU THHN/THWN	LF	446	10%	491	0.008	\$ 53.50	\$ 0.43	\$ 0.38	\$ 0.81	\$ 396.40
			LIGHTING FIXTURES										
85			Wall Pack Light Fixture WP	EA	4	0%	4	1.00	\$ 53.50	\$ 53.50	\$ 162.00	\$ 215.50	\$ 862.00
												SUBTOTAL	\$ 3,742

DETAILED BREAKDOWN OF ITEMS																
Prepared for:		Sofi Lakes Water Treatment Plant											 +1 (214) 556-2605			
Project ID:		10102025														
Scope:		Complete Construction of Control Building														
														Date:	6-Oct-26	
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST			
EXTERIOR IMPROVEMENTS																
			BASES, BALLASTS AND PAVING													
	Sheet 7	Sheet 4	CONCRETE BOLLARD:													
			8" Dia. Concrete Bollard As:													
86			8" Dia.Schedule 40 Galv.Yellow Pained Concrete Filled Steel Pipe (7'-0" Long)	EA	2	0%	2	1.05	\$ 53.50	\$ 56.18	\$ 122.50	\$ 178.68	\$ 357			
87			18" Dia. x 4'-0" Deep Concrete Footing	CY	0.4	10%	0.4	2.85	\$ 53.50	\$ 152.48	\$ 230.00	\$ 382.48	\$ 165			
88			-3000 PSI													
			Excavation	CY	0.4	10%	0.4	0.75	\$ 53.50	\$ 40.13	-	\$ 40.13	\$ 17			
SUBTOTAL													\$ 540			
PROJECTED COST													\$194,547			
OVERHEAD AND PROFIT												15%	\$29,182			
INSURANCE												3%	\$5,836			
CONTINGENCY												5%	\$9,727			
TAX												6%	\$6,008			
SUGGESTED BID FOR CONTROL BUILDING													\$245,301			
Notes:																
1. We Have Assumed The Concrete Strength To Be 3500 PSI Unless Otherwise Noted.																
2. As Sheet No. 9 Specifies Single-Ply Roofing, We Have Considered A TPO Roofing System And Assumed Its Complete Assembly.																
3. All Items For The Control Building Have Been Included As Shown On The Plans; However, No Interior And Exterior Finishes Is Assumed. Please Verify The Scope.																