



Project Fee Summary

Project Name: Design of Leachate and Potable Water Storage Tanks Replacement Project

Prepared by: Giuseppe Tomasino & Matthew Kennedy

Client: County of Sonoma

Job Number: 12558724

Date: April 5, 2022

TASK/TANK SITE	GHD Labor Costs	Other Direct Costs	Subconsultants Costs	Total
TASK- 1.0 Project Management				
Guerneville Closed Landfill Site	\$3,256.67	\$108.33	\$0.00	\$3,365.00
Roblar Road Closed Landfill Site	\$3,256.67	\$108.33	\$0.00	\$3,365.00
Sonoma Closed Landfill Site	\$3,256.67	\$108.33	\$0.00	\$3,365.00
Madrone Tank Site	\$3,256.67	\$108.33	\$0.00	\$3,365.00
Hilltop Tank Site	\$3,256.67	\$108.33	\$0.00	\$3,365.00
Del Rio Tank Site	\$3,256.67	\$108.33	\$0.00	\$3,365.00
Task 1.0 Subtotal	\$19,540.00	\$650.00	\$0.00	\$20,190.00
TASK- 2.0 Doc Review, Data Collection and Site Investigation				
Guerneville Closed Landfill Site	\$5,219.17	\$478.47	\$21,190.67	\$26,888.30
Roblar Road Closed Landfill Site	\$5,219.17	\$478.47	\$13,060.17	\$18,757.80
Sonoma Closed Landfill Site	\$5,219.17	\$478.47	\$19,971.67	\$25,669.30
Madrone Tank Site	\$5,219.17	\$478.47	\$17,867.17	\$23,564.80
Hilltop Tank Site	\$5,219.17	\$478.47	\$17,073.67	\$22,771.30
Del Rio Tank Site	\$5,219.17	\$478.47	\$18,177.67	\$23,875.30
Task 2.0 Subtotal	\$31,315.00	\$2,870.80	\$107,341.00	\$141,526.80
TASK- 3.0 Tank Relocation Plan				
Guerneville Closed Landfill Site	\$1,774.17	\$68.25	\$0.00	\$1,842.42
Roblar Road Closed Landfill Site	\$1,774.17	\$68.25	\$0.00	\$1,842.42
Sonoma Closed Landfill Site	\$1,774.17	\$68.25	\$0.00	\$1,842.42
Madrone Tank Site	\$1,774.17	\$68.25	\$0.00	\$1,842.42
Hilltop Tank Site	\$1,774.17	\$68.25	\$0.00	\$1,842.42
Del Rio Tank Site	\$1,774.17	\$68.25	\$0.00	\$1,842.42
Task 3.0 Subtotal	\$10,645.00	\$409.50	\$0.00	\$11,054.50
TASK- 4.0 Environmental Review Documents				
Guerneville Closed Landfill Site	\$1,911.67	\$71.50	\$0.00	\$1,983.17
Roblar Road Closed Landfill Site	\$1,911.67	\$71.50	\$0.00	\$1,983.17
Sonoma Closed Landfill Site	\$1,911.67	\$71.50	\$0.00	\$1,983.17
Madrone Tank Site	\$1,911.67	\$71.50	\$0.00	\$1,983.17
Hilltop Tank Site	\$1,911.67	\$71.50	\$0.00	\$1,983.17
Del Rio Tank Site	\$1,911.67	\$71.50	\$0.00	\$1,983.17
Task 4.0 Subtotal	\$11,470.00	\$429.00	\$0.00	\$11,899.00
TASK- 5.0 Engineering Design and Bid Documents Preparation				
Guerneville Closed Landfill Site	\$49,195.00	\$2,579.50	\$0.00	\$51,774.50
Roblar Road Closed Landfill Site	\$49,195.00	\$2,579.50	\$0.00	\$51,774.50
Sonoma Closed Landfill Site	\$48,960.00	\$2,573.00	\$0.00	\$51,533.00
Madrone Tank Site	\$48,960.00	\$2,573.00	\$0.00	\$51,533.00
Hilltop Tank Site	\$48,705.00	\$2,566.50	\$0.00	\$51,271.50
Del Rio Tank Site	\$48,705.00	\$2,566.50	\$0.00	\$51,271.50
Task 5.0 Subtotal	\$293,720.00	\$15,438.00	\$0.00	\$309,158.00
Task 5.0 Additional Engineering Design and Bid Documents Preparation for Landfill Sites				
Guerneville Closed Landfill Site	\$16,670.00	\$903.00	\$0.00	\$17,573.00
Roblar Road Closed Landfill Site	\$11,205.00	\$688.50	\$0.00	\$11,893.50
Sonoma Closed Landfill Site	\$15,905.00	\$883.50	\$0.00	\$16,788.50
Task 5.0 Additional Landfill Site Subtotal	\$43,780.00	\$2,475.00	\$0.00	\$46,255.00
Additional Engineering Design and Bid Documents Preparation for Fitch Mountain				
Hilltop Tank Site	\$13,435.00	\$766.50	\$0.00	\$14,201.50
Task 5.0 Additional Fitch Mountain Subtotal	\$13,435.00	\$766.50	\$0.00	\$14,201.50
TASK- 6.0 Bid Assistance				
Guerneville Closed Landfill Site	\$2,512.50	\$94.25	\$0.00	\$2,606.75
Roblar Road Closed Landfill Site	\$2,512.50	\$94.25	\$0.00	\$2,606.75
Sonoma Closed Landfill Site	\$2,512.50	\$94.25	\$0.00	\$2,606.75
Madrone Tank Site	\$2,512.50	\$94.25	\$0.00	\$2,606.75
Task 6.0 Subtotal	\$10,050.00	\$377.00	\$0.00	\$10,427.00
TASK- 7.0 Construction Support Services				
Guerneville Closed Landfill Site	\$29,420.00	\$2,460.00	\$0.00	\$31,880.00
Roblar Road Closed Landfill Site	\$29,420.00	\$2,460.00	\$0.00	\$31,880.00
Sonoma Closed Landfill Site	\$29,420.00	\$2,460.00	\$0.00	\$31,880.00
Madrone Tank Site	\$29,420.00	\$2,460.00	\$0.00	\$31,880.00
Task 7.0 Subtotal	\$117,680.00	\$9,840.00	\$0.00	\$127,520.00
TASK- 8.0 Additional Geotechnical Investigation				
Del Rio Site	\$2,265.00	\$71.50	\$18,400.00	\$20,736.50
Task 8.0 Subtotal	\$2,265.00	\$71.50	\$18,400.00	\$20,736.50
TOTAL FEE PER SITE				
Guerneville Closed Landfill Site	\$93,289.17	\$5,860.30	\$21,190.67	\$120,340.13
Roblar Road Closed Landfill Site	\$93,289.17	\$5,860.30	\$13,060.17	\$112,209.63
Sonoma Closed Landfill Site	\$93,054.17	\$5,853.80	\$19,971.67	\$118,879.63
Madrone Tank Site	\$93,054.17	\$5,853.80	\$17,867.17	\$116,775.13
Hilltop Tank Site	\$60,866.67	\$3,293.05	\$17,073.67	\$81,233.38
Del Rio Tank Site	\$63,131.67	\$3,364.55	\$36,577.67	\$103,073.88
ORIGINAL PROJECT TOTAL	\$494,420.00	\$30,014.30	\$107,341.00	\$631,775.30
Task 8.0 Additional Geotechnical Investigation	\$2,265.00	\$71.50	\$18,400.00	\$20,736.50
LEACHATE CREDIT	-\$3,000.00	\$0.00	\$0.00	-\$3,000.00
Task 5.0 Additional Landfill Site Subtotal	\$43,780.00	\$2,475.00	\$0.00	\$46,255.00
Task 5.0 Additional Fitch Mountain Subtotal	\$13,435.00	\$766.50	\$0.00	\$14,201.50
REVISED PROJECT TOTAL	\$550,900.00	\$33,327.30	\$125,741.00	\$709,968.30



GHD - PROJECT FEE ESTIMATING SHEET

Project Name: Design of Leachate and Potable Water Storage Tanks Replacement Project

Client: County of Sonoma

Prepared by: Giuseppe Tomasino & Matt Kennedy

Date: April 5, 2022

Job Number: 12558724

Task / Item	LABOR CATEGORY > RATE >	LABOR COSTS															FEE COMPUTATION						
		PIC	PM	QA/QC Mngr	Sr. Civil	Civil Eng.	Struct Eng.	Corrosion Eng.	Sr. Elec. Eng.	Elec. Eng.	Sr. Geo.	Proj. Geo.	WP Const Insp	Sr. CAD Designer	CAD Drafter	WP	PA	TOTAL HOURS	*OTHER DIRECT COSTS	Sub-con-sultant(s)	TOTAL FEE		
		\$255 /Hr	\$195 /Hr	\$255 /Hr	\$195 /Hr	\$155 /Hr	\$195 /Hr	\$235 /Hr	\$215 /Hr	\$155 /Hr	\$220 /Hr	\$150 /Hr	\$175 /Hr	\$155 /Hr	\$80 /Hr	\$115 /Hr	\$125 /Hr						
TASK- 1.0 Project Management																							
1.1 Project Initiation		3	9		3	5	3	3	1	3							5	35	\$227.50		\$6,702.50		
1.2 Project Coordination and Reporting		1	4														5	5	\$32.50		\$1,067.50		
1.3 Project Meetings		6	24		6		6	6		6							3	57	\$370.50		\$11,635.50		
1.4 Design Quality Management		1		2													3	3	\$19.50		\$784.50		
SUBTOTAL TASK 1.0		11	37	2	9	5	9	9	1	9	0	0	0	0	0	0	8	100	\$650.00	\$0.00	\$20,190.00		
TASK- 2.0 Doc Review, Data Collection and Site Investigation																							
2.1 Review Existing Documents					6	12	6	6	3	6							2	47	\$305.50		\$8,910.50		
2.2 Perform Site Visits		8	16			16		8		16							64	\$953.60		\$12,953.60			
2.3 Topographic and Boundary Survey		2	6		4	4											16	\$104.00		\$3,184.00			
2.3.1 Guerneville Closed Landfill Site Topographic Survey																	0	\$0.00	\$8,015.50	\$8,015.50			
2.3.2 Guerneville Closed Landfill Site Boundary Survey																	0	\$0.00	\$5,336.00	\$5,336.00			
2.3.3 Roblar Road Closed Landfill Site Topographic Survey																	0	\$0.00	\$5,221.00	\$5,221.00			
2.3.4 Sonoma Closed Landfill Site Topographic Survey																	0	\$0.00	\$9,154.00	\$9,154.00			
2.3.5 Sonoma Closed Landfill Site Boundary Survey																	0	\$0.00	\$2,978.50	\$2,978.50			
2.3.6 Madrone Tank Site Topographic Survey																	0	\$0.00	\$5,221.00	\$5,221.00			
2.3.7 Madrone Tank Site Boundary Survey																	0	\$0.00	\$4,807.00	\$4,807.00			
2.3.8 Hilltop Tank Site Topographic Survey																	0	\$0.00	\$4,749.50	\$4,749.50			
2.3.9 Hilltop Tank Site Boundary Survey																	0	\$0.00	\$4,485.00	\$4,485.00			
2.3.10 Del Rio Tank Site Topographic Survey																	0	\$0.00	\$4,749.50	\$4,749.50			
2.3.11 Del Rio Tank Site Boundary Survey																	0	\$0.00	\$5,589.00	\$5,589.00			
2.4 Geotechnical Investigation		2	6		4	4	4										20	\$130.00		\$3,990.00			
2.4.1 Geotechnical Investigation																	0	\$0.00	\$43,585.00	\$43,585.00			
2.4.2 Supplemental Consultation and Geotech Plan Review			3								3	16					1	0	\$0.00	\$3,450.00	\$3,450.00		
2.5 Hazardous Materials Characterization																	23	\$1,377.70		\$5,147.70			
SUBTOTAL TASK 2.0		12	37	0	14	36	10	14	3	22	3	16	0	0	0	0	3	170	\$2,870.80	\$107,341.00	\$141,526.80		
TASK- 3.0 Tank Relocation Plan																							
3.1 Leachate Storage Tank Replacement			2		8	12												30	\$195.00		\$5,245.00		
3.2 Fitch Mountain Madrone Water Tank			2		2	4												11	\$71.50		\$1,936.50		
3.3 Fitch Mountain Hilltop Water Tank			2		2	4												11	\$71.50		\$1,936.50		
3.4 Fitch Mountain Del Rio Water Tank			2		2	4												11	\$71.50		\$1,936.50		
SUBTOTAL TASK 3.0		0	8	0	14	24	0	0	0	0	0	0	0	0	0	0	0	63	\$409.50	\$0.00	\$11,054.50		
TASK- 4.0 Environmental Review Documents																							
4.1 CEQA and NEPA Support		1	6		16	24												55	\$357.50		\$9,862.50		
4.2 Stormwater Permitting		1	4		6	6												11	\$71.50		\$2,036.50		
SUBTOTAL TASK 4.0		2	10	0	16	30	0	0	0	0	0	0	0	0	0	0	0	66	\$429.00	\$0.00	\$11,899.00		
TASK- 5.0 Engineering Design and Bid Documents Preparation																							
5.1 Preliminary Design (30% Design)																							
Guerneville Closed Landfill Site		1	2	1	4	8	8	4	2	4				8	16		1	59	\$503.50		\$9,618.50		
Roblar Road Closed Landfill Site		2	1	4	8	8	4	2	4				8	16		1	58	\$497.00		\$9,357.00			
Sonoma Closed Landfill Site		2	1	4	8	8	4	2	4				8	16		1	58	\$497.00		\$9,357.00			
Madrone Tank Site		2	1	4	8	8	4	2	4				8	16		1	58	\$497.00		\$9,357.00			
Hilltop Tank Site		2	1	4	8	8	4	2	4				8	16		1	58	\$497.00		\$9,357.00			
Del Rio Tank Site		2	1	4	8	8	4	2	4				8	16		1	58	\$497.00		\$9,357.00			
5.2 Design Development (60% Design)																							
Guerneville Closed Landfill Site			3	1	8	24	10	3	4	16			12	24	1	1	107	\$815.50		\$16,950.50			
Roblar Road Closed Landfill Site		1	3	1	8	24	10	3	4	16			12	24	1	1	108	\$822.00		\$17,212.00			
Sonoma Closed Landfill Site		3	1	8	24	10	2	4	16				12	24	1	1	106	\$809.00		\$16,709.00			
Madrone Tank Site		3	1	8	24	10	2	4	16				12	24	1	1	106	\$809.00		\$16,709.00			
Hilltop Tank Site		3	1	8	24	10	2	4	16				12	24	1	1	106	\$809.00		\$16,709.00			
Del Rio Tank Site		3	1	8	24	10	2	4	16				12	24	1	1	106	\$809.00		\$16,709.00			
5.3. Construction Documents (90% PS&E)																							
Guerneville Closed Landfill Site		3	1	12	32	12	2	4	20				16	24	1	1	128	\$952.00		\$20,502.00			
Roblar Road Closed Landfill Site		3	1	12	32	12	2	4	20				16	24	1	1	128	\$952.00		\$20,502.00			
Sonoma Closed Landfill Site		1	3	1	12	32	12	2	4	20			16	24	1	1	129	\$958.50		\$20,763.50			
Madrone Tank Site		3	1	12	32	12	2	4	20				16	24	1	1	128	\$952.00		\$20,502.00			
Hilltop Tank Site		3	1	12	32	12	2	4	20				16	24	1	1	128	\$952.00		\$20,502.00			
Del Rio Tank Site		3	1	12	32	12	2	4	20				16	24	1	1	128	\$952.00		\$20,502.00			
Guerneville Closed Landfill Site - Fill Station		1	1	1	16	24	2	2	10				2	8			69	\$568.50		\$11,903.50			



GHD - PROJECT FEE ESTIMATING SHEET

Project Name: Design of Leachate and Potable Water Storage Tanks Replacement Project

Client: County of Sonoma

Prepared by: Giuseppe Tomasino & Matt Kennedy

Date: April 5, 2022

Job Number: 12558724

Task / Item	LABOR CATEGORY > RATE >	LABOR COSTS															FEE COMPUTATION				
		PIC	PM	QA/QC Mgr	Sr. Civil	Civil Eng.	Struct Eng.	Corrosion Eng.	Sr. Elec. Eng.	Elec. Eng.	Sr. Geo.	Proj. Geo.	WP Const Insp	Sr. CAD Designer	CAD Drafter	WP	PA	TOTAL HOURS	*OTHER DIRECT COSTS	Sub-con-sultant(s)	TOTAL FEE
		\$255 /Hr	\$195 /Hr	\$255 /Hr	\$195 /Hr	\$155 /Hr	\$195 /Hr	\$235 /Hr	\$215 /Hr	\$155 /Hr	\$220 /Hr	\$150 /Hr	\$175 /Hr	\$155 /Hr	\$80 /Hr	\$115 /Hr	\$125 /Hr				
Roblar Road Closed Landfill Site - Retaining Wall Design			2	1	4	10	16							2	8			43	\$399.50	\$0.00	\$7,444.50
Sonoma Closed Landfill Site - Fill Station			1		16	24		2	2	10				2	8			67	\$555.50		\$11,380.50
Hilltop Tank Site - Deep Foundation Design			4	2	4		28							4	12			54	\$471.00	\$0.00	\$9,581.00
5.4. Final Design (100% PS&E)																					
Guerneville Closed Landfill Site			1		2	8	2	2	1	2				3	6	1	1	29	\$308.50		\$4,703.50
Roblar Road Closed Landfill Site			1		2	8	2	2	1	2				3	6	1	1	29	\$308.50		\$4,703.50
Sonoma Closed Landfill Site			1		2	8	2	2	1	2				3	6	1	1	29	\$308.50		\$4,703.50
Madrone Tank Site	1		1		2	8	2	2	1	2				3	6	1	1	30	\$315.00		\$4,965.00
Hilltop Tank Site			1		2	8	2	2	1	2				3	6	1	1	29	\$308.50		\$4,703.50
Del Rio Tank Site			1		2	8	2	2	1	2				3	6	1	1	29	\$308.50		\$4,703.50
Guerneville Closed Landfill Site - Fill Station			1	1	6	12		1	1	6				1	4			33	\$334.50		\$5,669.50
Roblar Road Closed Landfill Site - Retaining Wall Design			2	1	2	6	8							1	6			26	\$289.00	\$0.00	\$4,449.00
Sonoma Closed Landfill Site - Fill Station			1		6	12		1	1	6				1	4			32	\$328.00		\$5,408.00
Hilltop Tank Site - Deep Foundation Design			2	1			14							2	8			27	\$295.50	\$0.00	\$4,620.50
SUBTOTAL TASK 5.0		4	54	18	156	432	192	62	66	252	0	0	0	234	420	18	24	1932	\$15,438.00	\$0.00	\$309,158.00
TASK- 6.0 Bid Assistance																					
6.1 Bid Assistance Leachate Tanks		1	4		2	16	2	1	1	2				3			1	33	\$214.50		\$5,859.50
6.2 Bid Assistance Madrone Tank		1	4		2	8	2	1	1	2				3			1	25	\$162.50		\$4,567.50
SUBTOTAL TASK 6.0		2	8	0	4	24	4	2	2	4	0	0	0	6	0	0	2	58	\$377.00	\$0.00	\$10,427.00
TASK- 7.0 Construction Support Services																					
7.1 Construction Engineering Support																		0	\$0.00		\$0.00
Guerneville Closed Landfill Site			4		16	40	8	6	4	8				80			2	168	\$2,460.00		\$31,880.00
Roblar Road Closed Landfill Site			4		16	40	8	6	4	8				80			2	168	\$2,460.00		\$31,880.00
Sonoma Closed Landfill Site			4		16	40	8	6	4	8				80			2	168	\$2,460.00		\$31,880.00
Madrone Tank Site			4		16	40	8	6	4	8				80			2	168	\$2,460.00		\$31,880.00
SUBTOTAL TASK 7.0		0	16	0	64	160	32	24	16	32	0	0	320	0	0	0	8	672	\$9,840.00	\$0.00	\$127,520.00
TASK- 8.0 Additional Geotechnical Investigation																					
8.1 Project Management & Coordination		1	4				1											6	\$39.00	\$0.00	\$1,269.00
8.2 Geotechnical Investigation			1	1			3											5	\$32.50	\$18,400.00	\$19,467.50
SUBTOTAL TASK 8.0		1	5	1	0	0	4	0	0	0	0	0	0	0	0	0	0	11	\$71.50	\$18,400.00	\$20,736.50
ORIGINAL PROJECT TOTAL		31	170	20	277	711	247	111	88	319	3	16	320	265	420	18	45	3,061	\$30,014.30	\$107,341.00	\$631,775.30
AMENDMENT 1		1	5	1	0	0	4	0	0	0	0	0	0	0	0	0	0	11	\$71.50	\$18,400.00	\$20,736.50
LEACHATE CREDIT																					-\$3,000.00
AMENDMENT 2		1	8	4	50	88	28	6	6	32	0	0	0	9	38	0	0	270	\$2,475.00	\$0.00	\$46,255.00
AMENDMENT 3		0	6	3	4	0	42	0	0	0	0	0	0	6	20	0	0	81	\$766.50	\$0.00	\$14,201.50
REVISED PROJECT TOTAL		33	183	25	327	799	279	117	94	351	3	16	320	274	458	18	45	3,342	\$33,327.30	\$125,741.00	\$709,968.30

*OTHER DIRECT COSTS include printing, photocopies, laboratory fees, vehicle mileage, shipping and other miscellaneous direct expenses.
 **Prevailing Wage (PW) rate for construction inspection is estimated for 2022 construction season and subject to change based on current rates at the time of construction.



Amendment 02 - Leachate Tank Fee
12558724

Description	PIC	PM	QA/QC Manager	Construction Services Lead	Sr. Civil	Civil Eng.	Struct Eng.	Corrosion Eng.	Sr. Elec. Eng.	Elec. Eng.	WP Cons Insp	CAD Drafter	WP	PA	Total Hours	Labor Total	Total Subcontractors	Total Disbursements	Estimated Project Total
	Matt Kennedy	Giuseppe Tomasino	Steve McHaney	Dmitriy Shimberg	Patrick Tortora	Steven Pearl	James Pan	Craig Stuart	Rick Guggiana	Erick Osorno	Erick Leitz	Steven Toft	Felicia Ballard	Kimberlee Loop					
	\$344	\$296	\$344	\$248	\$248	\$208	\$268	\$296	\$296	\$208	\$188	\$144	\$164	\$92					
Task5 Leachate Tank Specification & Cost Estimate Update	0	6	6	0	12	28	0	0	0	0	0	0	6	0	58	\$13,624	\$0	\$435	\$14,059
Subtask 5.5 Leachate Tank Specifications & Cost Estimate Update	0	6	6	0	12	28	0	0	0	0	0	0	6	0	58	\$13,624	\$0	\$435	\$14,059
Task6 Leachate Tank Bid Assistance	0	10	0	0	10	0	4	0	4	0	0	0	0	1	29	\$7,788	\$0	\$218	\$8,006
Subtask 6.0 Leachate Tank Rebid	0	10	0	0	10	0	4	0	4	0	0	0	0	1	29	\$7,788	\$0	\$218	\$8,006
Task7 Construction Support Services	1	10	0	28	0	0	8	0	0	4	4	0	0	4	59	\$14,344	\$12,542	\$443	\$27,329
Subtask 7.1 Construction Engineering Support	0	8	0	28	0	0	6	0	0	4	0	0	0	0	46	\$11,752	\$0	\$345	\$12,097
Subtask 7.2 Geotech Observation and Testing	1	2	0	0	0	0	2	0	0	0	4	0	0	4	13	\$2,592	\$12,542	\$98	\$15,232
Task9 Specification Update	2	15	0	50	2	4	8	2	2	10	9	8	0	7	119	\$27,752	\$0	\$1,019	\$28,771
Subtask 9.0 Additional Construction Support Services	2	15	0	50	2	4	8	2	2	10	9	8	0	7	119	\$27,752	\$0	\$1,019	\$28,771
Total Labor Hours	3	41	6	78	24	32	20	2	6	14	13	8	6	12					
Estimated Project Total	\$1,032	\$12,136	\$2,064	\$19,344	\$5,952	\$6,656	\$5,360	\$592	\$1,776	\$2,912	\$2,444	\$1,152	\$984	\$1,104	265	\$63,508	\$12,542	\$2,114	\$78,164