

PRECISION IN EVERY ESTIMATE

PRO ESTIMATE

Quantities and Cost of Construction																			
CLICK HERE TO GO BACK TO COST SUMMARY																			
Sub-Total \$ 185,921 Material Sales Tax 8.813% \$ 16,398 (Adjust the percentage for Material tax as required) Overhead & Profit (Material) 25% \$ 26,177 (Adjust the percentage for Overhead & Profit as required) Overhead & Profit (Labor) 25% \$ 26,303 (Adjust the percentage for Overhead & Profit as required) Bond Fee 1.5% \$ 3,599 (Adjust the percentage for Bond Fee as required) Total Bid \$ 243,111 Date: 4/6/2026 Project: HARRY L. ENGELBREIGHT DAM & LAKE HQS BUILDING AND MAINTENANCE SHOP PN143724 Project Location: SMARTSVILLE, CALIFORNIA Project and Wage Type: Private (Non-Prevailing wage) Gross Internal Area of Structure (SF) Covered Area of Structure (SF) No. of Units No. of Floors and Overall Height Hardscaping Area (SF) Softscaping Area (SF) Material Wastage 1 0% (For Quantities in Each K/L) Material Wastage 2 5% (For Quantities in L/F, SF, CY, CV, LBS, TONS) (Changing the wastage percentage here will update the wastage for whole tab) To change hourly rates for any trade please go to "Hourly Rates" Tab																			
ITEM #	REF. SHEET	DETAIL	CSI SECT	Sub Contractor	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	TOTAL LABOR HOURS	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST	UNIT ITEM COST WITH MARKUPS	TOTAL COST WITH MARKUPS
General																			
			DIV-01	General Requirements	Plan Design And Permitting	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 253.43		\$ 253.43
1			DIV-01	General Requirements	Architecture (Assumed By Owner)	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
2			DIV-01	General Requirements	Engineering (Assumed By Owner)	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
3			DIV-01	General Requirements	Surveying	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
4			DIV-01	General Requirements	Soils Report (Assumed By Owner)	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
5			DIV-01	General Requirements	Geological Report (Assumed By Owner)	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
6			DIV-01	General Requirements	Concrete Testing	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
7			DIV-01	General Requirements	Permit Fee	(1)	()	(1)	LS	32.688	(32.688)	\$ 120.00	\$ 3,922.56	()	()	()	\$ 3,922.56	\$ 3,922.56	\$ 3,922.56
8			DIV-01	General Requirements	Permits (Based On Interior Finish Area)	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
9			DIV-01	General Requirements	Plan Coordination	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
10			DIV-01	General Requirements	Blueprint Inspection	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
11			DIV-01	General Requirements	Blueprints (77 Pages)	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
Utilities																			
12			DIV-01	General Requirements	Utilities During Construction (Based On Interior Finish Area)	(1)	()	(1)	LS	38.481	(38.481)	\$ 120.00	\$ 4,617.72	()	()	()	\$ 4,617.72	\$ 4,617.72	\$ 4,617.72
13			DIV-01	General Requirements	Port-O-Potty (Based On Interior Finish Area)	(1)	()	(1)	LS	15.094	(15.094)	\$ 120.00	\$ 1,811.28	()	()	()	\$ 1,811.28	\$ 1,811.28	\$ 1,811.28
14			DIV-01	General Requirements	Temporary Power (Based On Interior Finish Area)	(1)	()	(1)	LS	7.805	(7.81)	\$ 120.00	\$ 936.60	()	()	()	\$ 937.00	\$ 937.00	\$ 937.00
Equipment And Tools																			
15			DIV-01	General Requirements	Tool Rentals	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
16			DIV-01	General Requirements	Tool Shed	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
17			DIV-01	General Requirements	Dust Control	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
18			DIV-01	General Requirements	Ice, Water, Beverages	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
19			DIV-01	General Requirements	Garbage Dumpster / Trash Containers	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
20			DIV-01	General Requirements	Mobilization/Demobilization (Temporary Control & Facilities)	(1)	()	(1)	LS	60.039	(60.04)	\$ 120.00	\$ 7,204.68	()	()	()	\$ 7,205.00	\$ 7,205.00	\$ 7,205.00
Signage And Promotion																			
21			DIV-01	General Requirements	Job Signs	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
22			DIV-01	General Requirements	Job Photos	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
23			DIV-01	General Requirements	Signage	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
24			DIV-01	General Requirements	Promotional/Entertainment	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
25			DIV-01	General Requirements	Misc.	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
Cleaning And Final																			
26			DIV-01	General Requirements	Trash	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
27			DIV-01	General Requirements	Final Cleaning	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
28			DIV-01	General Requirements	Window Washing (Rough # Of Windows)	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
29			DIV-01	General Requirements	Punch List Items	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
Bond, Insurance, Legal																			
30			DIV-01	General Requirements	Casualty Insurance	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
31			DIV-01	General Requirements	Medical Insurance	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
32			DIV-01	General Requirements	General Liability Insurance	(1)	()	(1)	LS	()	(1)	\$ 120.00	\$ 120.00	()	()	()	\$ 120.00	\$ 120.00	\$ 120.00
Project Management & Supervision																			
33			DIV-01	General Requirements	Project Management & Supervision	(1)	()	(1)	LS	60.039	(60.04)	\$ 120.00	\$ 7,204.68	()	()	()	\$ 7,205.00	\$ 7,205.00	\$ 7,205.00
Plumbing																			
Water Pipes																			
34			DIV-22	Plumber	Below Grade Copper Type K	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
35			DIV-22	Plumber	2" Dia Cold Water Pipes	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
36			DIV-22	Plumber	1 1/2" Dia Cold Water Pipes	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
37			DIV-22	Plumber	1" Dia Cold Water Pipes	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
38			DIV-22	Plumber	3/4" Dia Cold Water Pipes	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
39			DIV-22	Plumber	1/2" Dia Cold Water Pipes	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
40			DIV-22	Plumber	1/4" Dia Cold Water Pipes	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
41			DIV-22	Plumber	3/8" Dia Cold Water Pipes	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
42			DIV-22	Plumber	1/2" Dia Hot Water Pipes	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
43			DIV-22	Plumber	3/4" Dia Hot Water Pipes	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
44			DIV-22	Plumber	1" Dia Hot Water Pipes	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
45			DIV-22	Plumber	1 1/2" Dia Hot Water Pipes	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
Sanitary																			
46			DIV-22	Plumber	Sanitary Pipes	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
47			DIV-22	Plumber	Below Ground - Schedule 40 Solid Wall Abs Pipe Per Asm 0266	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
48			DIV-22	Plumber	2" Dia Sanitary Pipe	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
49			DIV-22	Plumber	1 1/2" Dia Sanitary Pipe	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
50			DIV-22	Plumber	1" Dia Sanitary Pipe	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
51			DIV-22	Plumber	3/4" Dia Sanitary Pipe	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
52			DIV-22	Plumber	1/2" Dia Sanitary Pipe	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
53			DIV-22	Plumber	1/4" Dia Sanitary Pipe	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
54			DIV-22	Plumber	3/8" Dia Sanitary Pipe	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
Condensate Pipes																			
55			DIV-22	Plumber	1 1/2" Dia Condensate Pipes	(17)	5%	(17.825)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
Compressed Air																			
56			DIV-22	Plumber	1 1/2" Dia Compressed Air	(15)	5%	(15.75)	LF	0.053	(0.806)	\$ 120.00	\$ 96.72	()	()	()	\$ 96.72	\$ 96.72	\$ 96.72
Storm Drain																			
57			DIV-22	Plumber	4" Dia Storm Drain Pipes	(4)	5%	(4.2)	LF	0.089	(0.356)	\$ 120.00	\$ 42.72	()	()	()	\$ 42.72	\$ 42.72	\$ 42.72
58			DIV-22	Plumber	6" Dia Storm Drain Pipes	(2)	5%	(2.1)	LF	0.110	(0.22)	\$ 120.00	\$ 26.40	()	()	()	\$ 26.40	\$ 26.40	\$ 26.40
59			DIV-22	Plumber	8" Dia Storm Drain Pipes	(2)	5%	(2.1)	LF	0.110	(0.22)	\$ 120.00	\$ 26.40	()	()	()	\$ 26.40	\$ 26.40	\$ 26.40
60			DIV-22	Plumber	10" Dia Storm Drain Pipes	(2)	5%	(2.1)	LF	0.110	(0.22)	\$ 120.00	\$ 26.40	()	()	()	\$ 26.40	\$ 26.40	\$ 26.40



ITEM #	REF. SHEET	DETAIL	CSI SECT	Sub Contractor	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	TOTAL LABOR HOURS	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST	UNIT ITEM COST WITH MARKUPS	TOTAL ITEM COST WITH MARKUPS
Sanitary Pipe Joints																			
Above Ground																			
106		DIV-22		Plumber	1-1/2" Dia Elbow Joints	(28)	(28)	EA	0.062	(1.73)	(120.0)	\$	207.50 (\$	3.80 (\$	106.50 (\$	314)	\$	14.58 (\$	408)
107		DIV-22		Plumber	1-1/2" Dia Elbow Joints, 45°	(4)	(4)	EA	0.053	(0.21)	(120.0)	\$	25.40 (\$	3.30 (\$	13.60 (\$	38)	\$	12.46 (\$	35)
108		DIV-22		Plumber	1-1/2" Dia Tee Joints	(4)	(4)	EA	0.075	(0.30)	(120.0)	\$	35.80 (\$	4.60 (\$	18.40 (\$	54)	\$	17.83 (\$	71)
109		DIV-22		Plumber	2" Dia Elbow Joints	(26)	(26)	EA	0.085	(2.21)	(120.0)	\$	262.80 (\$	5.20 (\$	134.00 (\$	357)	\$	19.30 (\$	791)
110		DIV-22		Plumber	2" Dia Tee Joints	(5)	(5)	EA	0.099	(0.50)	(120.0)	\$	59.50 (\$	6.10 (\$	30.50 (\$	90)	\$	23.30 (\$	117)
111		DIV-22		Plumber	2" Dia Wye Com Joints	(7)	(7)	EA	0.120	(0.84)	(120.0)	\$	101.00 (\$	7.40 (\$	51.80 (\$	133)	\$	16.30 (\$	199)
112		DIV-22		Plumber	2" X 1-1/2" Dia Reducer	(2)	(2)	EA	0.063	(0.13)	(120.0)	\$	15.20 (\$	1.90 (\$	7.80 (\$	23)	\$	14.95 (\$	31)
113		DIV-22		Plumber	2" X 1-1/2" X 2" Dia Wye Com Joints	(17)	(17)	EA	0.134	(2.28)	(120.0)	\$	273.50 (\$	8.30 (\$	140.30 (\$	414)	\$	19.62 (\$	537)
114		DIV-22		Plumber	2" X 2" X 1-1/2" Dia Tee Joints	(5)	(5)	EA	0.128	(0.64)	(120.0)	\$	177.00 (\$	7.90 (\$	39.50 (\$	117)	\$	30.78 (\$	153)
115		DIV-22		Plumber	1" Dia Elbow Joints	(6)	(6)	EA	0.159	(0.96)	(120.0)	\$	114.70 (\$	9.80 (\$	58.80 (\$	153)	\$	17.56 (\$	157)
116		DIV-22		Plumber	3" X 2" X 1-1/2" Dia Tee Joints	(2)	(2)	EA	0.185	(0.37)	(120.0)	\$	44.50 (\$	11.40 (\$	22.80 (\$	67)	\$	18.09 (\$	87)
117		DIV-22		Plumber	3" X 2" X 2" Dia Tee Joints	(1)	(1)	EA	0.199	(0.23)	(120.0)	\$	30.90 (\$	12.30 (\$	12.30 (\$	36)	\$	16.99 (\$	147)
118		DIV-22		Plumber	3" X 2" X 2" Dia Wye Com Joints	(2)	(2)	EA	0.226	(0.45)	(120.0)	\$	54.20 (\$	13.90 (\$	27.80 (\$	82)	\$	19.27 (\$	87)
119		DIV-22		Plumber	3" X 3" X 2" Dia Tee Joints	(2)	(2)	EA	0.218	(0.44)	(120.0)	\$	52.30 (\$	13.40 (\$	26.80 (\$	79)	\$	19.35 (\$	103)
120		DIV-22		Plumber	3" X 3" X 2" Dia Tee Joints	(1)	(1)	EA	0.231	(0.23)	(120.0)	\$	27.70 (\$	14.20 (\$	14.20 (\$	42)	\$	14.42 (\$	42)
121		DIV-22		Plumber	4" Dia Elbow Joints	(4)	(4)	EA	0.268	(1.07)	(120.0)	\$	128.70 (\$	16.50 (\$	66.00 (\$	109)	\$	18.22 (\$	239)
122		DIV-22		Plumber	4" Dia Wye Com Joints	(7)	(7)	EA	0.322	(0.84)	(120.0)	\$	177.00 (\$	19.80 (\$	39.60 (\$	117)	\$	19.58 (\$	157)
123		DIV-22		Plumber	4" X 2" X 1-1/2" Dia Wye Com Joints	(1)	(1)	EA	0.353	(0.35)	(120.0)	\$	42.10 (\$	21.60 (\$	21.60 (\$	64)	\$	18.78 (\$	89)
124		DIV-22		Plumber	4" X 4" X 2" Dia Wye Com Joints	(4)	(4)	EA	0.382	(1.53)	(120.0)	\$	183.30 (\$	23.50 (\$	94.00 (\$	277)	\$	30.08 (\$	389)
Below Ground																			
125		DIV-22		Plumber	2" Dia Elbow Joints	(12)	(12)	EA	0.085	(1.03)	(120.0)	\$	121.70 (\$	5.20 (\$	62.40 (\$	184)	\$	18.93 (\$	239)
126		DIV-22		Plumber	2" Dia Elbow Joints, 45°	(2)	(2)	EA	0.078	(0.16)	(120.0)	\$	18.70 (\$	4.80 (\$	9.60 (\$	25)	\$	18.40 (\$	37)
127		DIV-22		Plumber	3" Dia Elbow Joints	(4)	(4)	EA	0.159	(0.64)	(120.0)	\$	76.40 (\$	9.80 (\$	39.20 (\$	116)	\$	17.56 (\$	157)
128		DIV-22		Plumber	3" X 2" X 2" Dia Wye Com Joints	(1)	(1)	EA	0.215	(0.21)	(120.0)	\$	25.70 (\$	13.20 (\$	13.20 (\$	39)	\$	16.99 (\$	151)
129		DIV-22		Plumber	3" X 2" X 2" Dia Wye Com Joints	(2)	(2)	EA	0.257	(0.53)	(120.0)	\$	61.60 (\$	15.80 (\$	31.60 (\$	93)	\$	16.05 (\$	137)
130		DIV-22		Plumber	4" Dia Elbow Joints	(11)	(11)	EA	0.268	(2.95)	(120.0)	\$	335.90 (\$	16.50 (\$	181.50 (\$	535)	\$	18.22 (\$	681)
131		DIV-22		Plumber	4" Dia Elbow Joints, 45°	(3)	(3)	EA	0.241	(0.72)	(120.0)	\$	148.40 (\$	14.40 (\$	44.40 (\$	131)	\$	18.77 (\$	178)
132		DIV-22		Plumber	4" Dia Wye Com Joints	(7)	(7)	EA	0.322	(2.25)	(120.0)	\$	279.50 (\$	19.80 (\$	138.60 (\$	409)	\$	19.58 (\$	157)
133		DIV-22		Plumber	4" Dia Wye Joints	(2)	(2)	EA	0.307	(0.63)	(120.0)	\$	173.70 (\$	18.90 (\$	37.80 (\$	112)	\$	17.49 (\$	145)
134		DIV-22		Plumber	4" X 2" Dia Reducer	(1)	(1)	EA	0.158	(0.15)	(120.0)	\$	19.90 (\$	9.80 (\$	9.80 (\$	27)	\$	17.77 (\$	37)
135		DIV-22		Plumber	4" X 4" X 2" Dia Wye Com Joints	(6)	(6)	EA	0.382	(2.29)	(120.0)	\$	175.90 (\$	23.50 (\$	141.00 (\$	415)	\$	19.00 (\$	340)
136		DIV-22		Plumber	4" X 4" X 2" Dia Wye Joints	(4)	(4)	EA	0.364	(1.48)	(120.0)	\$	174.70 (\$	22.40 (\$	89.60 (\$	269)	\$	19.89 (\$	355)
137		DIV-22		Plumber	4" X 4" X 2" Dia Wye Com Joints	(3)	(3)	EA	0.419	(1.26)	(120.0)	\$	150.90 (\$	25.80 (\$	77.40 (\$	228)	\$	19.87 (\$	297)
Domestic Water Pipe Joints																			
138		DIV-22		Plumber	3/4" Dia Elbow Joints	(12)	(12)	EA	0.011	(1.34)	(120.0)	\$	160.40 (\$	6.80 (\$	82.80 (\$	98)	\$	10.92 (\$	1,321)
139		DIV-22		Plumber	1/2" Dia Elbow Joints	(66)	(66)	EA	0.008	(0.53)	(120.0)	\$	63.10 (\$	4.90 (\$	32.40 (\$	386)	\$	7.87 (\$	518)
140		DIV-22		Plumber	2" Dia Elbow Joints	(23)	(23)	EA	0.040	(0.92)	(120.0)	\$	80.90 (\$	24.50 (\$	56.50 (\$	79)	\$	10.34 (\$	965)
141		DIV-22		Plumber	1/2" Dia Tee Joints	(1)	(1)	EA	0.010	(0.01)	(120.0)	\$	1.20 (\$	6.20 (\$	6.20 (\$	7)	\$	9.36 (\$	10)
142		DIV-22		Plumber	3/4" Dia Tee Joints	(4)	(4)	EA	0.014	(0.05)	(120.0)	\$	0.40 (\$	8.60 (\$	8.60 (\$	7)	\$	13.49 (\$	16)
143		DIV-22		Plumber	1-1/2" Dia Elbow Joints	(26)	(26)	EA	0.099	(2.50)	(120.0)	\$	80.20 (\$	19.50 (\$	46.50 (\$	153)	\$	16.20 (\$	741)
144		DIV-22		Plumber	1" Dia Elbow Joints	(23)	(23)	EA	0.017	(0.40)	(120.0)	\$	47.50 (\$	10.60 (\$	24.80 (\$	291)	\$	17.02 (\$	391)
145		DIV-22		Plumber	1-1/2" X 1" X 3/4" Dia Tee Joints	(1)	(1)	EA	0.095	(0.04)	(120.0)	\$	4.90 (\$	21.80 (\$	21.80 (\$	36)	\$	16.90 (\$	435)
146		DIV-22		Plumber	1-1/2" X 1-1/2" X 1/2" Dia Tee Joints	(4)	(4)	EA	0.088	(0.15)	(120.0)	\$	18.30 (\$	23.40 (\$	9.50 (\$	112)	\$	17.57 (\$	137)
147		DIV-22		Plumber	1-1/2" X 1" X 1" Dia Tee Joints	(1)	(1)	EA	0.037	(0.04)	(120.0)	\$	4.50 (\$	22.90 (\$	22.90 (\$	27)	\$	16.75 (\$	57)
148		DIV-22		Plumber	1-1/2" X 1-1/2" X 3/4" Dia Tee Joints	(1)	(1)	EA	0.040	(0.04)	(120.0)	\$	4.80 (\$	24.80 (\$	24.80 (\$	28)	\$	19.82 (\$	48)
149		DIV-22		Plumber	2" X 1-1/2" X 1-1/2" Dia Tee Joints	(1)	(1)	EA	0.063	(0.06)	(120.0)	\$	7.50 (\$	38.50 (\$	38.50 (\$	46)	\$	16.12 (\$	127)
150		DIV-22		Plumber	2" X 2" X 1-1/2" Dia Tee Joints	(1)	(1)	EA	0.068	(0.07)	(120.0)	\$	8.20 (\$	41.80 (\$	41.80 (\$	50)	\$	16.72 (\$	129)
151		DIV-22		Plumber	2" X 2" X 1-1/2" Dia Tee Joints	(1)	(1)	EA	0.064	(0.06)	(120.0)	\$	7.70 (\$	39.60 (\$	39.60 (\$	47)	\$	16.50 (\$	127)
152		DIV-22		Plumber	2" X 2" X 3/4" Dia Tee Joints	(2)	(2)	EA	0.065	(0.13)	(120.0)	\$	15.70 (\$	40.90 (\$	80.40 (\$	96)	\$	16.45 (\$	129)
153		DIV-22		Plumber	2" X 2" X 1" Dia Tee Joints	(1)	(1)	EA	0.069	(0.07)	(120.0)	\$	8.20 (\$	42.50 (\$	42.50 (\$	50)	\$	16.24 (\$	128)
154		DIV-22		Plumber	1" X 1" X 1/2" Dia Tee Joints	(4)	(4)	EA	0.022	(0.09)	(120.0)	\$	10.50 (\$	13.50 (\$	54.00 (\$	65)	\$	21.88 (\$	87)
155		DIV-22		Plumber	1" X 2" X 3/4" Dia Tee Joints	(4)	(4)	EA	0.023	(0.09)	(120.0)	\$	11.10 (\$	14.20 (\$	56.80 (\$	68)	\$	22.00 (\$	87)
156		DIV-22		Plumber	1" X 3/4" X 3/4" Dia Tee Joints	(1)	(1)	EA	0.021	(0.02)	(120.0)	\$	2.50 (\$	12.80 (\$	12.80 (\$	15)	\$	20.50 (\$	78)
157		DIV-22		Plumber	3/4" X 3/4" X 1/2" Dia Tee Joints	(5)	(5)	EA	0.016	(0.08)	(120.0)	\$	9.40 (\$	9.60 (\$	48.00 (\$	57)	\$	15.41 (\$	77)
Condensate Drain																			
158		DIV-22		Plumber	3/4" Dia Elbow Joints	(21)	(21)	EA	0.009	(0.19)	(120.0)	\$	22.30 (\$	6.80 (\$	142.80 (\$	165)	\$	10.58 (\$	2,232)
159		DIV-22		Plumber	3/4" Dia Elbow Joints, 45°	(1)	(1)	EA	0.008	(0.01)	(120.0)	\$	1.00 (\$	8.20 (\$	8.20 (\$	7)	\$	9.90 (\$	10)
160		DIV-22		Plumber	3/4" Dia Wye Com Joints	(1)	(1)	EA	0.012	(0.04)	(120.0)	\$	4.40 (\$	8.80 (\$	28.80 (\$	33)	\$	14.70 (\$	15)
161		DIV-22		Plumber	3/4" Dia Wye Joints	(1)	(1)	EA	0.011	(0.01)	(120.0)	\$	1.40 (\$	8.80 (\$	8.80 (\$	10)	\$	13.69 (\$	14)
Compressed Air																			
162		DIV-22		Plumber	3/4" Dia Elbow Joints	(33)	(33)	EA	0.009	(0.29)	(120.0)	\$	35.00 (\$	8.80 (\$	224.40 (\$	259)	\$	10.58 (\$	348)
163		DIV-22		Plumber	3/4" Dia Tee Joints	(6)	(6)	EA	0.011	(0.07)	(120.0)	\$	7.90 (\$	6.40 (\$	50.40 (\$	58)	\$	13.07 (\$	78)
Steam Drain																			
164		DIV-22		Plumber	2" Dia Elbow Joints	(4)	(4)	EA	0.403	(1.62)	(120.0)	\$	189.20 (\$	48.50 (\$	194.00 (\$	387)	\$	127.16 (\$	598)
165		DIV-22		Pl															

ITEM #	REF. SHEET	DETAIL	CSI SECT	Sub Contractor	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	TOTAL LABOR HOURS	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST	UNIT ITEM COST WITH MARKUPS	TOTAL ITEM COST WITH MARKUPS		
207			DIV-22	Plumber	Tag: Wmb-1, Washing Machine Outlet Box, No Lead Valves, Fire Rated Washing M	1		(1)	EA	1.204	(1.20)	\$ 120.0	\$ 144.4	\$ 145.0	\$ 145.0	\$ 289		\$ 380.18	\$ 380		
208			DIV-22	Plumber	Tag: Dis-1, Downspout Nozzle Primary Drain, 6" Primary Roof Drain Downspout N	1		(1)	EA	1.868	(1.87)	\$ 120.0	\$ 224.1	\$ 225.0	\$ 225.0	\$ 449		\$ 589.54	\$ 590		
209			DIV-22	Plumber	Tag: Dis-2, Downspout Cover Overflow Drain, 6" Overflow Roof Drain Downspout	1		(1)	EA	1.619	(1.62)	\$ 120.0	\$ 194.2	\$ 195.0	\$ 195.0	\$ 388		\$ 511.28	\$ 511		
Plumbing Equipment																					
210			DIV-22	Plumber	Cp-1, Circulation Pump	(1)		(1)	EA	4.120	(4.12)	\$ 120.0	\$ 494.4	\$ 1,250.0	\$ 1,250.0	\$ 1,744		\$ 2,325.10	\$ 2,325		
211			DIV-22	Plumber	Cp-2, Circulation Pump	(1)		(1)	EA	4.560	(4.56)	\$ 120.0	\$ 547.2	\$ 1,850.0	\$ 1,850.0	\$ 2,397		\$ 3,207.65	\$ 3,207		
212			DIV-22	Plumber	E1-1, Expansion Tank	(1)		(1)	EA	1.450	(1.45)	\$ 120.0	\$ 174.0	\$ 185.0	\$ 185.0	\$ 359		\$ 472.50	\$ 473		
213			DIV-22	Plumber	E1-2, Expansion Tank	(1)		(1)	EA	3.300	(3.30)	\$ 120.0	\$ 396.0	\$ 375.0	\$ 375.0	\$ 771		\$ 1,011.77	\$ 1,012		
214			DIV-22	Plumber	Ewh-1, Electric Storage Water Heater	(1)		(1)	EA	4.560	(4.56)	\$ 120.0	\$ 547.2	\$ 1,650.0	\$ 1,650.0	\$ 2,197		\$ 2,935.30	\$ 2,935		
215			DIV-22	Plumber	Ewh-2, Electric Storage Water Heater	(1)		(1)	EA	6.000	(6.00)	\$ 120.0	\$ 720.0	\$ 2,450.0	\$ 2,450.0	\$ 3,170		\$ 4,241.50	\$ 4,241		
216			DIV-22	Plumber	Prv-1, Pressure Regulating Valve	(1)		(1)	EA	2.250	(2.25)	\$ 120.0	\$ 270.0	\$ 285.0	\$ 285.0	\$ 555		\$ 728.07	\$ 728		
217			DIV-22	Plumber	Prv-2, Pressure Regulating Valve	(1)		(1)	EA	3.450	(3.45)	\$ 120.0	\$ 414.0	\$ 575.0	\$ 575.0	\$ 989		\$ 1,286.26	\$ 1,286		
218			DIV-22	Plumber	Tag: Relp-1, Reduced Pressure Backflow Preventer, Reduced Pressure Zone Ass	2		(2)	EA	4.560	(9.12)	\$ 120.0	\$ 1,094.4	\$ 1,950.0	\$ 1,950.0	\$ 4,994		\$ 1,542.77	\$ 1,543		
219			DIV-22	Plumber	Wmb-1, Water Meter	1		(1)	EA	3.400	(3.40)	\$ 120.0	\$ 408.0	\$ 450.0	\$ 450.0	\$ 858		\$ 1,128.87	\$ 1,129		
220			DIV-22	Plumber	Wmb-2, Water Meter	1		(1)	EA	3.500	(3.50)	\$ 120.0	\$ 427.2	\$ 475.0	\$ 475.0	\$ 902		\$ 1,190.09	\$ 1,190		
Water Heater Details																					
221			DIV-22	Plumber	Temperature & Pressure Relief Valve	(6)		(6)	EA	0.374	(0.37)	\$ 120.0	\$ 44.8	\$ 45.0	\$ 45.0	\$ 90		\$ 117.94	\$ 118		
222			DIV-22	Plumber	Shutoff Valve	(2)		(2)	EA	0.349	(0.69)	\$ 120.0	\$ 83.7	\$ 42.0	\$ 42.0	\$ 84		\$ 110.12	\$ 110		
223			DIV-22	Plumber	Check Valve	(2)		(2)	EA	0.315	(0.63)	\$ 120.0	\$ 71.7	\$ 36.0	\$ 36.0	\$ 72		\$ 94.30	\$ 94		
224			DIV-22	Plumber	Unions	(4)		(4)	EA	0.315	(1.26)	\$ 120.0	\$ 151.4	\$ 38.0	\$ 38.0	\$ 152		\$ 199.03	\$ 199		
225			DIV-22	Plumber	Vacuum Relief Valve	(1)		(1)	EA	1.868	(1.87)	\$ 120.0	\$ 224.1	\$ 225.0	\$ 225.0	\$ 449		\$ 585.94	\$ 586		
226			DIV-22	Plumber	Concrete Housekeeping Pad	(2)		(2)	EA	1.868	(1.87)	\$ 120.0	\$ 224.1	\$ 225.0	\$ 225.0	\$ 449		\$ 585.94	\$ 586		
227			DIV-22	Plumber	Water Heater Replacements	(2)		(2)	EA	1.370	(2.74)	\$ 120.0	\$ 164.7	\$ 165.0	\$ 165.0	\$ 330		\$ 432.62	\$ 433		
																	\$ 7.35				
Earthwork																					
228			DIV-31	Earth worker	Excavation	(90.67)	5%	(95)	CY	0.385	(36.63)	\$ 120.0	\$ 4,398.2	\$ -	\$ -	\$ 4,398		\$ 58.63	\$ 5,588		
229			DIV-31	Earth worker	Trenching For Water Pipes	(1.87)	5%	(2)	CY	0.385	(0.67)	\$ 120.0	\$ 80.9	\$ -	\$ -	\$ 81		\$ 58.62	\$ 109		
Native Backfill																					
230			DIV-31	Earth worker	Back Filling For Sanitary Pipes	(88.37)	5%	(93)	CY	0.285	(26.44)	\$ 120.0	\$ 3,173.4	\$ -	\$ -	\$ 3,173		\$ 43.39	\$ 4,028		
231			DIV-31	Earth worker	Back Filling For Water Pipes	(1.22)	5%	(1)	CY	0.285	(0.37)	\$ 120.0	\$ 43.8	\$ -	\$ -	\$ 44		\$ 43.39	\$ 59		
SUB TOTAL										Total Lab. Hours = 877 Total Lab. Cost = \$ 105,214 Total Mat. Cost = \$ 86,707 \$ 185,921 \$ 185,921										\$ 243,111	
MATERIAL TAX										8.8% \$ 7,188 \$ 7,188 \$ 7,188											
OVERHEAD & PROFIT / INFLATION (Material)										25% \$ 26,300 \$ 26,300 \$ 26,300											
OVERHEAD & PROFIT (Labor)										25% \$ 26,300 \$ 26,300 \$ 26,300											
NON-TAX										1.5% \$ 1,597 \$ 1,597 \$ 1,597											
TOTAL BASE BID										\$ 135,400 \$ 109,821 \$ 243,111 \$ 243,111										\$ 243,111	

COST SUMMARY

Date: 46066
Project: HARRY L. ENGLEBRIGHT DAM & LAKE HQS BUILDING AND MAINTENANCE SHOP PN143724
Project Location: SMARTSVILLE, CALIFORNIA

Project Type: **Private (Non-Prevailing wage)**

Scope of Work: Plumbing

Total Base Bid:	\$ 273,856-
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BASE BID /ALTERNATES/ALLOWANCES	TOTAL
Base Bid	(\$ 243,111)
SITE	(\$ 30,745)
Hourly Rates Tab	

Please enter the sub-quotes in column R (Highlighted orange) against each division/trade and update the Overhead & Profit % as required below; column K will be updated automatically with Subquotes with OH&P. If there is no value entered in column R, the cost from column J (by DE) will be picked.

OH&P on Subquotes	5%
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Note: Click on any of the above text to go to the relevant Tab

CSI Summary for Base Bid					
Div. No.	CSI Division	Labor Cost	Material Cost	Total Cost	% of sub-total cost
DIV-01	General Requirements	(\$ 29,038) (\$	- (\$	29,038)	13.9%
DIV-12	Plumbing	(\$ 76,233) (\$	95,645 (\$	170,878	81.7%
DIV-31	Earthwork	(\$ 9,185) (\$	- (\$	9,185)	4.4%
	SUB TOTAL	(\$ 113,456)	(\$ 95,645)	(\$ 209,099)	100%
	MATERIAL TAXES	(\$ -)	(\$ 8,493)	(\$ 8,493)	8.0%
	OVERHEAD & PROFIT / INFLATION (Subtotal)	(\$ -)	(\$ 29,914)	(\$ 29,914)	25.0%
	OVERHEAD & PROFIT (Labor)	(\$ 28,364)	(\$ -)	(\$ 28,364)	25.0%
	Bond Fee	(\$ -)	(\$ 4,047)	(\$ 4,047)	1.5%
	TOTAL BASE BID			(\$ 273,856)	

Sub-Contractor/Trade Summary for Base Bid					
Sub Contractor		Labor Cost	Material Cost	Total Cost	% of Sub-total cost
General Requirements					
12757 Worker	15	29,030.00	-	29,030.00	13.9%
Plumber	15	-9,489.00	-	9,185.00	4.4%
	15	76,233.00	-	76,233.00	34.6%
	15	111,454.00	95,645.00	207,099.00	81.7%
SUB TOTALS	15	95,645.00	95,645.00	205,099.00	100%
MATERIAL TAXES	-	15	8,435.00	8,435.00	8.8%
OVERHEAD & PROFIT / INFLATION (15.00%)	15	28,364.00	23,911.00	52,275.00	25.0%
OVERHEAD & PROFIT (15.00%)	15	-	15	23,964.00	25.0%
Bond fee	-	-	15	4,047.00	1.5%
TOTAL BASE BID	-	-	-	273,866.00	

For Client's Use Only			
Comparison with Sub-Quotes			Enter the numbers manually
Division Cost with OH&P & Material Tax	Sub-Quotes w/ OH&P	Difference	Finalized Bid amount by GC
(\$ 36,839)(\$	-	(\$ 36,839)	
(\$ 225,303)(\$	-	(\$ 225,303)	
(\$ 11,053)(\$	-	(\$ 11,053)	
(\$ 273,856)(\$	-	(\$ 273,856)	(\$ -)

For Client's Use Only				
Comparison with Sub-Quotes			Enter the numbers manually	
Sub Contractor Cost with O/H&P & Material Tax	Sub-Quotes w/ O/H&P	Difference	Finalized Bid amount by GC	Remarks
\$ 36,839.00	\$ -	\$ (36,839.00)		
\$ 18,659.00	\$ -	\$ (18,659.00)		
\$ 225,363.00	\$ -	\$ (225,363.00)		
\$ 273,856.00	\$ -	\$ (273,856.00)		
			\$ -	

Enter Subquotes
below

15	-
15	)
15	-
15	)

	-
	)
	-
	)

Enter Subquotes
below

\$	-
\$	)
\$	-
\$	)

	)
-	)

[CLICK HERE TO GO BACK TO COST SUMMARY](#)

DIV-06		(\$ 10.00)

DIV-31	Shoring / SOE	(\$ 10.00)
DIV-07	Siding Contractor	(\$ 10.00)
DIV-03	Site Concrete	(\$ 10.00)
DIV-26	Site Electrical	(\$ 10.00)
DIV-12	Site Furnishing	(\$ 10.00)
DIV-09	Site Paint	(\$ 10.00)
DIV-10	Site Signage	(\$ 10.00)
DIV-08	Skylight	(\$ 10.00)
DIV-13	Special Construction	(\$ 10.00)
DIV-05	Staircases and Railings - Metal	(\$ 10.00)
DIV-06	Staircases and Railings - Wood	(\$ 10.00)
DIV-08	Storefront	(\$ 10.00)
DIV-05	Structural Steel	(\$ 10.00)
DIV-07	Stucco - EIFS	(\$ 10.00)
DIV-09	Tiler	(\$ 10.00)
DIV-10	Toilet Partitions	(\$ 10.00)
DIV-34	Traffic Control	(\$ 10.00)
DIV-06	Trellis	(\$ 10.00)
DIV-06	Truss	(\$ 10.00)
DIV-33	Utilities	(\$ 10.00)
DIV-09	Wall Covering	(\$ 10.00)
DIV-07	Water Proofing & Damp Proofing	(\$ 10.00)
DIV-08	Window Installer	(\$ 10.00)
DIV-10	Wire Shelving	(\$ 10.00)
DIV-00	Z	
DIV-01	Z	

Unit	Wastage
EA	0%
LF	5%
SF	5%
SY	5%
LBS	5%
TONS	5%
CY	5%
LS	0%

ITEM#	REQ. SHEET	DETAIL	CSI-SECT	SUB CONTRACTOR	DESCRIPTION	QTY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	TOTAL LABOR HOURS	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST	UNIT ITEM COST WITH MARKUPS	TOTAL ITEM COST WITH MARKUPS
Quantities and Cost of Construction																			
CLICK HERE TO GO BACK TO COST SUMMARY																			
Sub-Total \$ 24,136 Material Sales Tax \$ 1,875 Overhead & Profit / Indirect (Material) \$ 225 Overhead & Profit (Labor) \$ 2,000 Sub-Total \$ 28,236 Grand Total \$ 30,747 Material Usage 10% Material 10% Quantity to Item X 10% 10% Quantity to Item X 10% (10% of Item X, 10% of Item Y, 10% of Item Z) 10% Quantity to Item X 10% 10% Quantity to Item X 10% 10%																			

Project Dashboard

Project Name

Date

Base Bid

Project Type

Address

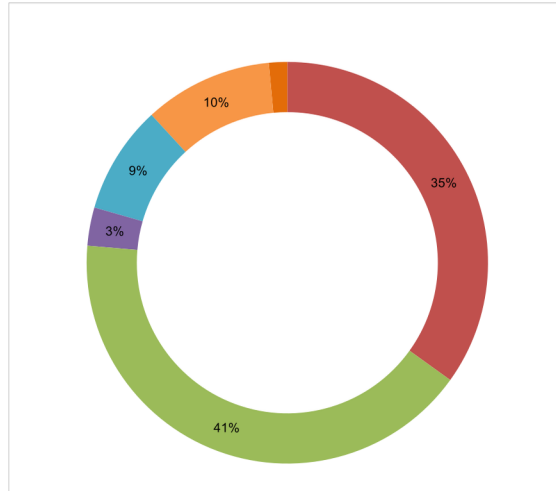
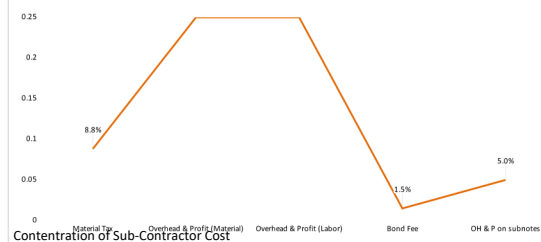
Scope of Work

Base Bid

By Others

Separate Permit

Percentages



Material

Labor

Material Tax

Material Profit

Labor Profit

Bond Fee

Cost Summary

