

DETAILED BREAKDOWN OF ITEMS													
Prepared for:		SECONDARY TREATMENT AND DEWATERING PROJECT											
Project ID:		CITY OF SUNNYVALE											
Scope:		WATER REPELLENTS, CONCRETE & STEEL COATINGS											
												Date:	8-Nov-22
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
GENERAL REQUIREMENTS													
1			Permits	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2			Supervision and Coordination	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3			Submittals and Shop drawings	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4			Final Cleaning	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5			Mobilization Costs	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6			Temporary Control & Facilities	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7			Scaffolding	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
												SUBTOTAL	\$ -
COATING & WATERPROOFING													
1. DAMPPROOFING AS PER (02581, 02600, 07110)													
8	100C101;102C108		Mechanical Manholes & Hand Holes (14EA)	SF	2156	10%	2372	0.030	\$ 45.00	\$ 107.11	\$ -	\$ 1.35	\$ 3,202
9			Electrical Manholes & Hand Holes (13EA)	SF	1350	10%	1485	0.030	\$ 45.00	\$ 66.75	\$ -	\$ 1.35	\$ 2,005
												SUBTOTAL	\$ 5,206
2. WATER REPELLENT (AS PER 07190)													
BIOREACTOR (AREA 311)													
10	311A301, 311A302		Water Repellent @ Exterior Concrete Wall	SF	7345	10%	8080	0.075	\$ 2.85	\$ 23.03	\$ 8.15	\$ 11.00	\$ 88,875
BIOREACTOR (AREA 312)													
11	312A301, 312A302		Water Repellent @ Exterior CMU Wall	SF	7087	10%	7796	0.075	\$ 2.85	\$ 22.21	\$ 8.15	\$ 11.00	\$ 85,753
SECONDARY CLARIFIERS AND ML SPLITTER (AREA 321)													
12	321S101		Water Repellent @ ML Splitter	SF	876	10%	963	0.075	\$ 38.00	\$ 36.45	\$ 8.15	\$ 11.00	\$ 10,596
13	321S150		Water Repellent @ Secondary Clarifier	SF	7776	10%	8554	0.075	\$ 38.00	\$ 325.50	\$ 8.15	\$ 11.00	\$ 94,090
THICKENING / DEWATERING BUILDING (AREA 331)													
14	331A301, 331A302		Water Repellent @ Concrete Wall	SF	15497	10%	17047	0.075	\$ 38.00	\$ 647.87	\$ 8.15	\$ 11.00	\$ 187,514
SIDESTREAM TREATMENT (AREA 352)													
15	351A301		Water Repellent @ Concrete Wall	SF	6521	10%	7173	0.075	\$ 38.00	\$ 272.78	\$ 8.15	\$ 11.00	\$ 78,904
												SUBTOTAL	\$ 545,730
3. ARCHITECTURAL PAINTING (AS PER 09910)													
BLOWER BUILDING (AREA 312)													
16	312A130	Wall Type C3,E1	Wall Paint	SF	1463	10%	1609	0.038	\$ 48.00	\$ 771.84	\$ 2.75	\$ 4.57	\$ 6,692
17	312A140, 331A401	Ceiling Paint	Ceiling Paint	SF	75		75	0.045	\$ 48.00	\$ 3,600	\$ 2.75	\$ 4.91	\$ 367
THICKENING / DEWATERING BUILDING (AREA 331)													
18	331A130, 331A136	A2,B3,D1,D2,E2,E3	Wall Paint	SF	2649	10%	2914	0.038	\$ 48.00	\$ 139.73	\$ 2.75	\$ 4.57	\$ 13,327
19	331A401	Plan AD/ 331A401, Ceiling Legends	Ceiling Paint	SF	30	10%	33	0.045	\$ 48.00	\$ 1,584	\$ 2.75	\$ 4.91	\$ 146
												SUBTOTAL	\$ 20,532
4. COAT STRUCTURAL STEEL (AS PER 05050)													
Electrical Conduit Bridge Plan (Area 107)													
Beams :													
20			EPU-M-1: Two coats epoxy with polyurethane finish coat Section : W21 X 55 : (105 LF)	SF	590	10%	649	0.075	\$ 38.00	\$ 246.63	\$ 6.01	\$ 8.86	\$ 5,750
21		C/107S130	EPU-M-1: Two coats epoxy with polyurethane finish coat Section : L4 X4 X1/2 : (68 LF)	SF	96	10%	106	0.075	\$ 38.00	\$ 40.20	\$ 6.01	\$ 8.86	\$ 939
Columns :													
22			EPU-M-1: Two coats epoxy with polyurethane finish coat Section : W21 X 55 : (105 LF)	SF	56	10%	62	0.075	\$ 38.00	\$ 23.58	\$ 6.01	\$ 8.86	\$ 548
23			EPU-M-1: Two coats epoxy with polyurethane finish coat Section : W14 X 33 : (28 LF)	SF	204	10%	224	0.075	\$ 38.00	\$ 85.20	\$ 6.01	\$ 8.86	\$ 1,987
24			EPU-M-1: Two coats epoxy with polyurethane finish coat Section : HSS3 X 3 X 1/4 : (32 LF)	SF	147	10%	162	0.075	\$ 38.00	\$ 61.80	\$ 6.01	\$ 8.86	\$ 1,437
BIOREACTOR (Area 311)													
BEAMS :													
25			EPU-M-1: Two coats epoxy with polyurethane finish coat Section : W12 X 22 : (6 LF)	SF	14	10%	16	0.075	\$ 38.00	\$ 6.08	\$ 6.01	\$ 8.86	\$ 139
26		29/311S304	EPU-M-1: Two coats epoxy with polyurethane finish coat Section : W12 X 22 : (6 LF)	SF	28	10%	31	0.075	\$ 38.00	\$ 11.94	\$ 6.01	\$ 8.86	\$ 271
27			EPU-M-1: Two coats epoxy with polyurethane finish coat Section : L4 X4 X 3/8 : (6 LF)	SF	16	10%	17	0.075	\$ 38.00	\$ 6.45	\$ 6.01	\$ 8.86	\$ 154
COLUMNS :													
28			EPU-M-1: Two coats epoxy with polyurethane finish coat Section : W12 X 14 : (2 LF) H	SF	13	10%	14	0.075	\$ 38.00	\$ 5.32	\$ 6.01	\$ 8.86	\$ 128
29		29/311S304	EPU-M-1: Two coats epoxy with polyurethane finish coat Section : HSS3 X 3 X 1/4 : (32 LF)	SF	32	10%	35	0.075	\$ 38.00	\$ 13.30	\$ 6.01	\$ 8.86	\$ 312

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												Date:	8-Nov-22
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
30	3125331,170,402		EPU-M-1: Two coats epoxy with polyurethane finish coat Section: WB X 40 : (5 LF) H	SF	201	10%	221	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 1,959
			BLOWER BUILDING (Area 312)										
31			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: W12 X 53 : (73 LF)	SF	348	10%	383	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 3,394
32			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: W18 X 76 : (480 LF)	SF	3173	10%	3490	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 30,922
33		H,J,K/3125304	EPU-M-1: Two coats epoxy with polyurethane finish coat Section: W12 X 45 : (11 LF)	SF	51	10%	56	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 496
34			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: C12 X 20.7 (69 LF)	SF	206	10%	226	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 2,004
35	321S532	P/321S170	SECONDARY CLARIFIER (Area 321) Clarifier Columns: Section: HSS3 X 3 X 1/4 : (36 LF) H	SF	36	10%	40	0.050	\$ 38.00	\$ 1.90	\$ 2.35	\$ 4.25	\$ 168
36	322S120,140,302,303,304		HYDROCYCLONE OVERFLOW BOX (Area 322) EPU-M-1: Two coats epoxy with polyurethane finish coat Section: WB X 28 : (78 LF)	SF	271	10%	298	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 2,638
37			THICKENING AND DEWATERING BUILDING (Area 331) EPU-M-1: Two coats epoxy with polyurethane finish coat Section: W10 X 17 : (164 LF)	SF	489	10%	538	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 4,766
38			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: W10 X 22 : (56 LF)	SF	200	10%	220	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 1,949
39			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: W24 X 146 : (126 LF)	SF	1051	10%	1156	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 10,241
40			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: W14 X 34 : (263 LF)	SF	1191	10%	1311	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 11,611
41			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: W12 X 26 : (1040 LF)	SF	4326	10%	4759	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 42,165
42			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: W14 X 34 : (14 LF)	SF	63	10%	70	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 618
43			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: W40 x 183 : (350 LF)	SF	3614	10%	3975	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 35,220
44			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: W12 X 19 : (8 LF)	SF	27	10%	30	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 259
45			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: WB X 10 : (4 LF)	SF	10	10%	11	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 101
46			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: W12 X 19 : (25 LF)	SF	83	10%	91	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 809
47			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: WB X 10 : (10 LF)	SF	26	10%	29	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 253
48		CF/331S173	EPU-M-1: Two coats epoxy with polyurethane finish coat Section: W12 X 19 : (22 LF)	SF	73	10%	80	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 712
49			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: WB X 10 : (101 LF)	SF	263	10%	289	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 2,559
50			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: WB X 18 : (11 LF)	SF	37	10%	41	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 329
51			EPU-M-1: Two coats epoxy with polyurethane finish coat Section: WB X 13 : (22 LF)	SF	63	10%	69	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 562
52		331S133:181											

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Project ID:	Project ID:	CITY OF SUNNYVALE												
Scope:	Scope:	WATER REPELLENTS, CONCRETE & STEEL COATINGS												
Let's Win This Bid Together! Your Vision, Our Commitment Date: 8-Nov-22														
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST	
63	352S130, 352S150, 140, 150		EPX-M-1: Two coats epoxy with polyurethane finish coat Section: W 8 X 1/2 : (56 LF)	SF	150	10%	164	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 1,457	
64			EPX-M-1: Two coats epoxy with polyurethane finish coat Section: W 8 X 1/2 : (24 LF) H	SF	666	10%	733	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 6,493	
65			EPX-M-1: Two coats epoxy with polyurethane finish coat Section: W 8 X 1/2 : (96 LF) H	SF	442	10%	486	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 4,306	
66		BD/31S303	EPX-M-1: Two coats epoxy with polyurethane finish coat Section: HSS4 X4 X3/8 : (66 LF) H	SF	88	10%	97	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 862	
67			EPX-M-1: Two coats epoxy with polyurethane finish coat Section: W 8 X 31 : (11 LF) H	SF	67	10%	96	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 847	
68			METAL DECK:											
			EPX-M-1: Two coats epoxy with polyurethane finish coat	SF	19586	10%	21545	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 190,885	
			SIDESTREAM TREATMENT (Area 352)											
69			EPX-M-1: Two coats epoxy with polyurethane finish coat Section: W12 X 45 : (65 LF)	SF	301	10%	331	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 2,936	
70			EPX-M-1: Two coats epoxy with polyurethane finish coat Section: W10 X 22 : (78 LF)	SF	278	10%	305	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 2,706	
71	C/352S140		EPX-M-1: Two coats epoxy with polyurethane finish coat Section: HSS3 X 3 X 1/6 : (62.4 LF)	SF	62	10%	69	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 608	
72			EPX-M-1: Two coats epoxy with polyurethane finish coat Section: HSS6 X 6 X 3 : (100 LF)	SF	200	10%	220	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 1,949	
73			EPX-M-1: Two coats epoxy with polyurethane finish coat Section: HSS3 X 3 X 3/8 : (56 LF)	SF	56	10%	62	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 546	
			COLUMNS											
74	AE/352S304		EPX-M-1: Two coats epoxy with polyurethane finish coat Section: HSS6 X 6 X 3/8 : (208 LF)	SF	416	10%	458	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 4,054	
75	B/352S130		EPX-M-1: Two coats epoxy with polyurethane finish coat Pipe Bridge Column : W 8 X 28 (48 LF)	SF	171	10%	188	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 1,665	
			SUBTOTAL										\$ 392,923	
			6. EPOXY COAT CONCRETE (AS PER 09960)											
			Primary Effluent Distribution Structure (Area 242)											
76	242S130		EPX-C-6-BSC: Blended Amine Cured Epoxy Coat At Concrete Wall @ Interior Side : (85 LF)	SF	1700	10%	1870	0.075	\$ 38.00	\$ 2.85	\$ 8.15	\$ 11.00	\$ 20,570	
77		D,EF/242S130	EPX-C-6-BSC: Blended Amine Cured Epoxy Coat At Concrete Wall @ Interior Side : (15 LF)	SF	323	10%	355	0.075	\$ 38.00	\$ 2.85	\$ 8.15	\$ 11.00	\$ 3,902	
78			EPX-C-6-BSC: Blended Amine Cured Epoxy Coat At Surface Area : (612)	SF	61	10%	68	0.075	\$ 38.00	\$ 2.85	\$ 8.15	\$ 11.00	\$ 744	
			Thickening Dewatering Building (Area 331)											
79	331A130		EPX-C-6-BSC: Blended Amine Cured Epoxy Coat At Concrete Walls @ PLC Room : (10 LF)	SF	150	10%	165	0.075	\$ 38.00	\$ 2.85	\$ 8.15	\$ 11.00	\$ 1,815	
80			EPX-C-6-BSC: Blended Amine Cured Epoxy Coat At Concrete Walls @ Polymer Room : (191 LF)	SF	2865	10%	3136	0.075	\$ 38.00	\$ 2.85	\$ 8.15	\$ 11.00	\$ 34,667	
81		BD/331S303	EPX-C-6-BSC: Blended Amine Cured Epoxy Coat At Concrete Walls @ Pump Room : (263 LF)	SF	3945	10%	43							

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Let's Win This Bid Together! Your Vision, Our Commitment

Date: 8-Nov-22

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTIT Y	WASTAG E	QUANTITY W/ WASTAGE	UNIT MANHOU R	HOURL Y WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST	
TOTAL COATING & WATERPROOFING												\$ 1,362,902		
OVERHEAD AND PROFIT											PROJECTED COST		\$1,362,902	
INSURANCE											0.1	0.1	10%	\$136,290
CONTINGENCY											0.03	0.03	3%	\$40,887
TAX											0.05	0.05	5%	\$68,145
SUGGESTED BID											0.0725	0.0725	7%	\$98,810
														\$1,707,034
COAT STRUCTURAL STEEL RAS PUMP STATION CANOPY - BID ALT. B														
HIGH PERFORMANCE COATING														
89	323 A301	NSEW Elevations	Sheet Metal Fasia	SF	95	10%	105	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 926	
90	322 S121	Canopy Roofing	Coating @ Standing Seam Sheet Metal Roofing	SF	3048	10%	3353	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 29,706	
91			Coating @ Z Section Purlin	LF	725	10%	798	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 7,066	
92			Coating @ Transverse W Section	LF	135	10%	149	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 1,316	
93			Coating @ Horizontal Cross Bracing	71	95	10%	105	0.075	\$ 38.00	\$ 2.85	\$ 6.01	\$ 8.86	\$ 926	
SUBTOTAL													\$ 39,939	
TOTAL COAT STRUCTURAL STEEL RAS PUMP STATION CANOPY - BID ALT. B														\$ 39,939
OVERHEAD AND PROFIT											PROJECTED COST		\$39,939	
INSURANCE											0.15	0.15	15%	\$5,991
CONTINGENCY											0.03	0.03	3%	\$1,198
TAX											0.05	0.05	5%	\$1,997
SUGGESTED BID											0.0725	0.0725	7%	\$2,896
														\$52,021

Note:

1. Please verify the equipment's and their prices with owner.
2. For tree plantation average prices are use. Please verify according to tree type.
3. Online sources are used for pricing.
4. Prices can vary depending upon field conditions.