

prepared for the  
City of San Mateo

# Estimate of Probable Construction Costs King Park Improvements Concept Plan

prepared on: 04/20/18  
prepared by: GH  
checked by: DR

Item #	Description	Qty	Unit	Cost	Item Total	Subtotal
<b>A</b>	<b>Field Improvements</b>					
1.	Bonding and mobilization	Allow	8%	\$113,615.20	\$113,615.	
2.	Construction staking	Allow	LS	\$5,000.00	\$5,000.	
3.	Tree protection	Allow	LS	\$5,000.00	\$5,000.	
4.	Construction fencing	1,460	LF	\$4.00	\$5,840.	
5.	Sod removal	99,390	SF	\$0.30	\$29,817.	
6.	Infield removal	12,850	SF	\$0.30	\$3,855.	
7.	Stabilized construction entrance	Allow	LS	\$2,500.00	\$2,500.	
8.	Filter rolls	1,680	LF	\$3.50	\$5,880.	
9.	Storm drain inlet filters	Allow	LS	\$2,000.00	\$2,000.	
10.	SWPPP maintenance	Allow	LS	\$4,500.00	\$4,500.	
11.	Soil off-haul, 7" average	2,655	CY	\$35.00	\$92,925.	
12.	Rough grading, 7" average	2,655	CY	\$30.00	\$79,650.	
13.	Subgrade preparation	112,240	SF	\$0.30	\$33,672.	
14.	Junction boxes	3	EA	\$2,000.00	\$6,000.	
15.	Catch basins at street	2	EA	\$3,500.00	\$7,000.	
16.	Manufactured fines, 4" depth	2,220	TN	\$30.00	\$66,600.	
17.	Trench backfill, class I permeable, type B, 10 cu. ft./LF	370	TN	\$50.00	\$18,500.	
18.	Perforated drain line, 18"	625	LF	\$80.00	\$50,000.	
19.	Solid drain line, 10"	40	LF	\$50.00	\$2,000.	
20.	Filter fabric	118,490	SF	\$0.25	\$29,623.	
21.	Lime treatment	112,240	SF	\$1.00	\$112,240.	
22.	Synthetic turf, cork infill	112,240	SF	\$5.00	\$561,200.	
23.	Composite underlayment	112,240	SF	\$2.10	\$235,704.	
24.	Turf band and nailer	1,365	LF	\$35.00	\$47,775.	
25.	Chain link fence, 4'	130	LF	\$50.00	\$6,500.	
26.	Distance marker signage	Allow	LS	\$750.00	\$750.	
27.	Provide openings in existing fence	Allow	LS	\$1,500.00	\$1,500.	
28.	Concrete pavement	1,000	SF	\$20.00	\$20,000.	
29.	Contingencies	Allow	15%	\$232,446.80	\$232,447.	
						\$1,782,092.
<b>B.</b>	<b>Field Lighting Improvements</b>					
1.	Bonding & mobilization	Allow	8%	\$11,376.00	\$11,380.	
2.	Convert field lighting to LED fixtures	34	EA	\$3,300.00	\$112,200.	
3.	Remote lighting control	Allow	LS	\$15,000.00	\$15,000.	
4.	Pull boxes, conduits, intercept feeder	Allow	LS	\$15,000.00	\$15,000.	
5.	Contingencies	Allow	15%	\$23,037.00	\$23,037.	
						\$176,620.
<b>C.</b>	<b>Park Improvements</b>					
1.	Bonding & mobilization	Allow	8%	\$14,918.80	\$14,919.	
2.	Relocate security lighting	2	EA	\$6,000.00	\$12,000.	
3.	Tree protection	Allow	LS	\$2,500.00	\$2,500.	
4.	Tree removal	1	EA	\$750.00	\$750.	
5.	Sod removal	18,950	SF	\$0.30	\$5,685.	
6.	Concrete removal	2,480	SF	\$3.00	\$7,440.	
7.	Furnishing removal	Allow	LS	\$2,000.00	\$2,000.	
8.	Pavers	1,500	SF	\$30.00	\$45,000.	

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9.	Concrete band	190	LF	\$30.00	\$5,700.	
10.	Concrete pavement	1,815	SF	\$25.00	\$45,375.	
11.	Decomposed granite	1,890	SF	\$5.00	\$9,450.	
12.	Trash receptacle	2	EA	\$1,500.00	\$3,000.	
13.	Drinking fountain	1	EA	\$5,000.00	\$5,000.	
14.	Picnic tables	3	EA	\$2,500.00	\$7,500.	
15.	BBQ units	3	EA	\$1,000.00	\$3,000.	
16.	Bench	2	EA	\$2,000.00	\$4,000.	
17.	Soil preparation and fine grading	16,540	SF	\$0.50	\$8,270.	
18.	Spray irrigation	2,540	SF	\$1.50	\$3,810.	
19.	Rotors	14,000	SF	\$1.00	\$14,000.	
20.	Irrigation point of connection	Allow	LS	\$2,500.00	\$2,500.	
21.	Shrubs, 5 gallon, 48" O.C.	185	EA	\$35.00	\$6,475.	
22.	Mulch	2,540	SF	\$0.75	\$1,905.	
23.	Sod, turf	14,000	SF	\$1.00	\$14,000.	
24.	Maintenance period	3	MO	\$2,500.00	\$7,500.	
25.	Security camera (wifi, wiring, communications)	Allow	LS	\$25,000.00	\$25,000.	
26.	Security lighting (assume 2 light poles, conduit, wire, P.O.C., lighting control)	Allow	LS	\$35,000.00	\$35,000.	
27.	Contingencies	Allow	15%	\$43,766.85	\$43,767.	
						\$335,550.
<b>D.</b>	<b>Basketball Court Improvements</b>					
1.	Bonding & mobilization	Allow	8%	\$1,674.00	\$1,670.	
2.	Grind	2,790	SF	\$1.50	\$4,185.	
3.	1" overlay	2,790	SF	\$3.00	\$8,370.	
4.	Plexipave color surfacing	2,790	SF	\$3.00	\$8,370.	
5.	Contingencies	Allow	15%	\$3,389.25	\$3,389.	
						\$25,980.
<b>E.</b>	<b>Perimeter Improvements</b>					
1.	Bonding & mobilization	Allow	8%	\$2,434.40	\$2,434.	
2.	Sod removal	3,580	SF	\$0.30	\$1,074.	
3.	Soil preparation and fine grading	4,500	SF	\$0.50	\$2,250.	
4.	Spray irrigation	920	SF	\$1.50	\$1,380.	
5.	Rotors	3,580	SF	\$1.00	\$3,580.	
6.	Supplemental irrigation, existing London Planes (bubblers)	36	EA	\$250.00	\$9,000.	
7.	Shrubs, 5 gallon, 48" O.C.	70	EA	\$35.00	\$2,450.	
8.	Mulch	920	SF	\$0.75	\$690.	
9.	Sod, turf	3,580	SF	\$1.00	\$3,580.	
10.	Maintenance period	3	MO	\$2,500.00	\$7,500.	
11.	Chain link fence, 4'	140	LF	\$50.00	\$7,000.	
12.	Fence fabric and spot railing replacement	1,310	LF	\$25.00	\$32,750.	
13.	Decomposed granite, 2" topping	12,220	SF	\$2.50	\$30,550.	
14.	Trash receptacle	1	EA	\$1,500.00	\$1,500.	
15.	Picnic tables	5	EA	\$2,500.00	\$12,500.	
16.	Bleachers	2	EA	\$2,500.00	\$5,000.	
17.	Contingencies	Allow	15%	\$18,485.70	\$18,486.	
						\$141,720.

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<b>F.</b>	<b>Design and Administration</b>					
1.	Professional services	1	EA	\$148,718.00	\$148,718.	
2.	Topo survey	1	EA	\$10,000.00	\$10,000.	
3.	City administration and inspection	Allow	LS	\$120,000.00	\$120,000.	
4.	Testing	Allow	LS	\$10,000.00	\$10,000.	
						\$288,720
<b>G.</b>	<b>TOTAL</b>					<b>\$2,750,680</b>
	<b>Based on drawing entitled "Concept Plan - King Park Improvements", dated "4/20/18"</b>					
	The above items, amounts, quantities, and related information are based on Callander Associates' judgment at this level					
	of document preparation and is offered only as reference data. Callander Associates has no control over construction quantities,					
	costs and related factors affecting costs, and advises the client that significant variation may occur between					
	this estimate of probable construction costs and actual construction prices.					