

**St. James Park**  
**Construction Cost Estimate**  
**95% Construction Documents**

Item	Quantity	Unit	Unit cost	Total
<b>START UP AND DEMOLITION</b>				
Construction Fencing, Ped. & Vehicular Traffic Control	1	allow	35,000.00	35,000
Project construction signs	1	EA	3,000.00	3,000
Security	1	allow	25,000.00	25,000
Staking and Layout	1	allow	7,500.00	7,500
Strip Grass	117,233	SF	0.12	14,068
Demo. Concrete Sidewalks	447	SF	3.00	1,341
Demo. Concrete seat pads	996	SF	3.00	2,988
Demo. Concrete seat pads in root zone	90	SF	6.00	540
Demo. Brick pathway with Concrete Base	8,612	SF	4.50	38,754
Demo. Brick pathway with Concrete Base in root zone	495	SF	9.00	4,455
Remove AC Pavement only	1,548	SF	2.00	3,096
Remove AC Pavement only in root zone	300	SF	4.00	1,200
Remove AC & base rock	9,670	SF	2.50	24,175
Tree Removal- 36" and up caliper	4	EA	1,500.00	6,000
Remove Light Fixtures and top 12" of tubing	17	EA	1,200.00	20,400
Remove Benches (to be restored)	15	EA	150.00	2,250
Remove (E) Irrigation equipment	1	allow	1,000.00	1,000
Remove (E) Memorial	1	allow	15,000.00	15,000
Remove 2 backflow units at SE corner, and cap supply lines	2	allow	300.00	\$600
			<b>Subtotal:</b>	<b>\$206,367</b>
<b>EARTHWORK AND DRAINAGE:</b>				
Earthwork	10,298	SF	0.12	1,236
Event Area sub-drainage -Excavation and offhaul	572	CY	30.00	17,155
Event Area sand/gravel profile and drainage installation	12,352	SF	7.00	86,463
Drain Pipe	674	LF	30.00	20,220
Area Drains / Junction boxes	9	EA	250.00	2,250
Catch basin	1	EA	1,000.00	1,000
Clean out	13	EA	500.00	6,500
Connect to Exist. Street Drainage System (includes trench, pipe, manhole, traffic control)	1	allow	20,000.00	20,000
Errosion control	1	LS	4000	4,000
			<b>Subtotal:</b>	<b>\$154,824</b>
<b>SITE ELECTRICAL</b>				
600Amp Electrical service meter enclosure, Panel, TC,Control	1	EA	12,000.00	12,000
Stage Outlet	1	EA	6,500.00	6,500
Primary & Secondary service Conduits within Park property	1	LS	3,000.00	3,000
PG&E Transformer pad	1	EA	2,500.00	2,500
AT&T MPOE Enclosure and service conduit within Park property	1	EA	5,000.00	5,000
Event Outlet PB#1 & feeder,	1	LS	7,160.00	7,160
Event Outlet PB#2 & feeder	1	LS	4,575.00	4,575
Event Outlet PB#3 & feeders	1	LS	23,560.00	23,560
Event Outlet PB#4 & feeders	1	LS	11,600.00	11,600
Power and Tel line to Irrigation Controller	1	LS	6,264.00	6,264
Multiple conduits under walkways w/ pullboxes for Concerts	4	EA	2,000.00	8,000
Single head area light, 16' (A), footing & pullbox on West Side	43	EA	5,500.00	236,500
Single head area light, 16' (A) footing & pullbox on East Side	17	EA	5,500.00	93,500
Double head area light, 16' (B), footing & pullbox	12	EA	8,300.00	99,600
Raised floodlighting for McKinley monument	2	LS	7,500.00	15,000
Feature lighting (F)	0	EA	2,500.00	0
Site lighting & pole duplex wiring	6000	LF	9.50	57,000
Additional for conduit and wiring within root zones	120	LF	10.00	1,200
Existing site lighting wiring	300	LF	9.00	2,700
Clean and relamp existing site lighting	6	EA	250.00	1,500
Rigid steel sleeve under 2nd St., & pull boxes	1	LS	50,000.00	50,000
Existing fountain feeder re-route	300	LF	25.00	7,500
Testing and Demonstration	1	LS	5,000.00	5,000
			<b>Subtotal:</b>	<b>\$659,659</b>

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<b>PLUMBING</b>				
Water Distribution from existing source	230	LF	10.00	2,300
Drinking fountain	2	EA	4,000.00	8,000
Dry well for fountain	2	EA	500.00	1,000
Move and test existing Backflow Preventer (4")	1	allow	5,000.00	5,000
Move and test existing Backflow Preventer (2")	1	allow	3,000.00	3,000
			<b>Subtotal:</b>	<b>\$11,300</b>
<b>PAVING:</b>				
Decomposed granite surfacing - Full depth construction	2517	SF	6.00	15,102
Decomposed granite surfacing - Surface dress	2025	SF	3.00	6,075
Concrete Paving w/ integral color and sandblast finish	7462	SF	12.50	93,275
Repair of existing concrete walkway	1016	SF	10.00	10,164
Cobblestone curb around planting beds	208	LF	30.00	6,240
Brick paving over 6" conc. slab w/ 6" base rock	13660	SF	42.00	573,720
Additional for Brick paving over thin slab construction	1343	SF	10.00	13,430
Brick paving over 6" conc. slab w/ 6" base rock (Entry Plaza's)	2467	SF	50.00	123,350
Arborist consultation - 5 site visits @ \$500 ea	5	allow	500.00	2,500
			<b>subtotal:</b>	<b>\$843,856</b>
<b>PLANTING:</b>				
Soil Prep. / Fine Grading	110,346	SF	0.75	82,760
Sod Turf	117,192	SF	0.75	87,894
Perennial Planting, sandy loam fill	8,075	SF	8.00	64,600
Grass Pave Turf Reinforcement and base	6,846	SF	7.00	47,922
Root Barriers	0	EA	160.00	0
Bark Mulch	8,075	SF	0.75	6,056
Maintenance - 60 Days	125,267	SF	0.08	10,021
Trees 60" box	1	EA	3,600	3,600
Trees 36"box	84	EA	900	75,600
Trees 24"box	8	EA	330	2,640
Transplant existing Ginkgo trees	3	EA	2,500.00	7,500
Protection and maintenance of Existing trees during construction	1	allow	10,000.00	10,000
			<b>Subtotal:</b>	<b>\$398,593</b>
<b>IRRIGATION:</b>				
Spray Irrigation-turf	117,192	SF	3.00	351,576
Spray Irrigation-planters	8,075	SF	4.00	32,300
Tree Bubblers, per tree	93	EA	100.00	9,300
Irrigation Sleeves, 6"	430	LF	20.00	8,600
Additional for excavation for piping within root zones	700	LF	10.00	7,000
Irrigation contoller w/ enclosure, flow sensor, master valve & communications equipmt.	1	EA	13,100.00	13,100
Irrigation contoller w/ enclosure	1	EA	9,700.00	9,700
			<b>Subtotal:</b>	<b>\$431,576</b>
<b>SITE FURNISHINGS:</b>				
Restore and Reinstall Existing Benches	15	EA	3,000.00	\$45,000
New Benches	15	EA	4,000.00	\$60,000
Trash Receptacles	10	EA	2,500.00	\$25,000
Reinstate parking meter	1	EA	500.00	\$500
			<b>Subtotal:</b>	<b>\$130,000</b>
			<b>Total:</b>	<b>\$2,836,175.07</b>
			Art Dedication:	<b>\$50,000.00</b>
			Escallation for 2009 Construction, 5%:	<b>\$141,808.75</b>
			Design Contingency, 2%	<b>\$56,723.50</b>
			Mobilization, 5%:	<b>\$141,808.75</b>
			General Conditions and Construction Contingency, 20%:	<b>\$567,235.01</b>
			<b>GRAND TOTAL:</b>	<b>\$3,793,751.09</b>