

prepared for the
City of Mountain View

Estimate of Probable Construction Costs
Castro Street Medians
CLASSIC Concept

prepared on: 03/16/17
prepared by: LC
checked by: DR

Item #	Description	Qty	Unit	Cost	Item Total	Subtotal
A	Project Start-up					
1.	Bonding and mobilization	Allow	8%	\$21,124.80	\$21,124.80	
2.	Construction staking	Allow	LS	\$3,000.00	\$3,000.00	
3.	Traffic control	Allow	LS	\$15,000.00	\$15,000.00	
						\$39,120.00
B	Demolition					
1.	Clear and grub	16,050	SF	\$0.50	\$8,025.00	
2.	Trees	64	EA	\$200.00	\$12,800.00	
3.	Irrigation heads, valves and laterals inside median	Allow	LS	\$5,000.00	\$5,000.00	
4.	Uplights	64	EA	\$100.00	\$6,400.00	
5.	Miscellaneous removals	Allow	LS	\$5,000.00	\$5,000.00	
						\$37,230.00
C	Grading and Drainage					
1.	Grading	16,050	SF	\$1.00	\$16,050.00	
2.	Reset valve boxes to grade	Allow	LS	\$2,000.00	\$2,000.00	
						\$18,050.00
D	Erosion Control (SWPPP not required)					
1.	Fiber rolls	1,400	LF	\$3.00	\$4,200.00	
2.	Storm drain inlet filters	Allow	LS	\$2,500.00	\$2,500.00	
						\$6,700.00
E	Irrigation					
1.	Irrigation P.O.C.	2	EA	\$2,500.00	\$5,000.00	
2.	Remote control valve	10	EA	\$400.00	\$4,000.00	
3.	Isolation valve	2	EA	\$400.00	\$800.00	
4.	Quick coupling valve	2	EA	\$400.00	\$800.00	
5.	Drip irrigation	16,050	SF	\$2.00	\$32,100.00	
6.	Bubblers, 2 per tree	108	EA	\$50.00	\$5,400.00	
						\$48,100.00
F	Planting					
1.	Tree, multi-trunk, 24" box	54	EA	\$300.00	\$16,200.00	
2.	Shrub, 5 gallon	350	EA	\$40.00	\$14,000.00	
3.	Shrub, 1 gallon	1,000	EA	\$18.00	\$18,000.00	
4.	Root barrier	800	LF	\$8.00	\$6,400.00	
5.	Mulch	16,050	SF	\$0.75	\$12,037.50	
						\$66,640.00
G	Lighting & Electrical					
1.	Uplight, LED (every other tree)	27	EA	\$1,500.00	\$40,500.00	
2.	Re-wiring, trenching, backfilling	Allow	LS	\$25,000.00	\$25,000.00	
						\$65,500.00
H	Landscape Maintenance					
1.	Plant establishment	3	MO	\$3,000.00	\$9,000.00	
						\$9,000.00
I	Landscape Soil Preparation					
1.	Soil amendment / fine grading	16,050	SF	\$0.80	\$12,840.00	
						\$12,840.00
J	SUBTOTAL CONSTRUCTION COSTS					\$303,180.00

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CLASSIC Concept

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Item #	Description	Qty	Unit	Cost	Item Total	Subtotal
K	Design Contingency	Allow	15%	\$45,477.00	\$45,477.00	\$45,480.00
L	ANTICIPATED LOW BID					\$348,660.00
M	Contingencies					
1.	Construction change orders	Allow	5%	\$17,433.00	\$17,433.00	\$17,430.00
N	TOTAL OF MEDIAN CONSTRUCTION					\$366,090.00
Based on drawing entitled "Classic Concept," dated 03/16/17.						
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MODERN Concept

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Item #	Description	Qty	Unit	Cost	Item Total	Subtotal
A	Project Start-up					
1.	Bonding and mobilization	Allow	8%	\$26,485.60	\$26,485.60	
2.	Construction staking	Allow	LS	\$3,000.00	\$3,000.00	
3.	Traffic control	Allow	LS	\$15,000.00	\$15,000.00	
						\$44,490.00
B	Demolition					
1.	Clear and grub	16,050	SF	\$0.50	\$8,025.00	
2.	Trees	64	EA	\$200.00	\$12,800.00	
3.	Irrigation heads, valves and laterals inside median	Allow	LS	\$5,000.00	\$5,000.00	
4.	Uplights	64	EA	\$100.00	\$6,400.00	
5.	Miscellaneous removals	Allow	LS	\$5,000.00	\$5,000.00	
						\$37,230.00
C	Grading and Drainage					
1.	Grading	16,050	SF	\$1.00	\$16,050.00	
2.	Reset valve boxes to grade	Allow	LS	\$2,000.00	\$2,000.00	
						\$18,050.00
D	Erosion Control (SWPPP not required)					
1.	Fiber rolls	1,400	LF	\$3.00	\$4,200.00	
2.	Storm drain inlet filters	Allow	LS	\$2,500.00	\$2,500.00	
						\$6,700.00
E	Site Construction					
1.	Decorative gravel, 4" depth	25	TN	\$125.00	\$3,125.00	
2.	Header	410	LF	\$10.00	\$4,100.00	
						\$7,230.00
F	Irrigation					
1.	Irrigation P.O.C.	2	EA	\$2,500.00	\$5,000.00	
2.	Remote control valve	10	EA	\$400.00	\$4,000.00	
3.	Isolation valve	2	EA	\$400.00	\$800.00	
4.	Quick coupling valve	2	EA	\$400.00	\$800.00	
5.	Drip irrigation	15,000	SF	\$2.00	\$30,000.00	
6.	Bubblers, 2 per tree	22	EA	\$50.00	\$1,100.00	
						\$41,700.00
G	Planting					
1.	Palm tree	11	EA	\$10,000.00	\$110,000.00	
2.	Shrub, 5 gallon	330	EA	\$40.00	\$13,200.00	
3.	Shrub, 1 gallon	930	EA	\$18.00	\$16,740.00	
4.	Root barrier	360	LF	\$8.00	\$2,880.00	
5.	Mulch	15,000	SF	\$0.75	\$11,250.00	
						\$154,070.00
H	Lighting & Electrical					
1.	Tree ring lights at palms, LED	11	EA	\$1,000.00	\$11,000.00	
2.	Re-wiring, trenching, backfilling	Allow	LS	\$25,000.00	\$25,000.00	
3.	Receptacle outlets at each palm for string lights	11	EA	\$750.00	\$8,250.00	
						\$44,250.00
I	Landscape Maintenance					
1.	Plant establishment	3	MO	\$3,000.00	\$9,000.00	

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Castro Street Medians
MODERN Concept

prepared on: 03/16/17
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Item #	Description	Qty	Unit	Cost	Item Total	Subtotal
						\$9,000.00
J	Landscape Soil Preparation					
1.	Soil amendment / fine grading	16,050	SF	\$0.80	\$12,840.00	\$12,840.00
K	SUBTOTAL CONSTRUCTION COSTS					\$375,560.00
L	Design Contingency	Allow	15%	\$56,334.00	\$56,334.00	\$56,330.00
M	ANTICIPATED LOW BID					\$431,890.00
N	Contingencies					
1.	Construction change orders	Allow	5%	\$21,594.50	\$21,594.50	\$21,590.00
O	TOTAL OF MEDIAN CONSTRUCTION					\$453,480.00
Based on drawing entitled "Modern Concept," dated 03/16/17. 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.						

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Estimate of Probable Construction Costs
Castro Street Medians
CONTEMPORARY Concept

prepared on: 03/16/17
prepared by: LC
checked by: DR

Item #	Description	Qty	Unit	Cost	Item Total	Subtotal
A	Project Start-up					
1.	Bonding and mobilization	Allow	8%	\$13,704.80	\$13,704.80	
2.	Construction staking	Allow	LS	\$3,000.00	\$3,000.00	
3.	Traffic control	Allow	LS	\$15,000.00	\$15,000.00	
						\$31,700.00
B	Demolition					
1.	Clear and grub	16,050	SF	\$0.50	\$8,025.00	
2.	Trees	64	EA	\$200.00	\$12,800.00	
3.	Irrigation heads, valves and laterals inside median	Allow	LS	\$5,000.00	\$5,000.00	
4.	Uplights	64	EA	\$100.00	\$6,400.00	
5.	Miscellaneous removals	Allow	LS	\$5,000.00	\$5,000.00	
						\$37,230.00
C	Grading and Drainage					
1.	Grading	16,050	SF	\$1.00	\$16,050.00	
2.	Reset valve boxes to grade	Allow	LS	\$2,000.00	\$2,000.00	
						\$18,050.00
D	Erosion Control (SWPPP not required)					
1.	Fiber rolls	1,400	LF	\$3.00	\$4,200.00	
2.	Storm drain inlet filters	Allow	LS	\$2,500.00	\$2,500.00	
						\$6,700.00
E	Irrigation					
1.	Irrigation P.O.C.	2	EA	\$2,500.00	\$5,000.00	
2.	Remote control valve	10	EA	\$400.00	\$4,000.00	
3.	Isolation valve	2	EA	\$400.00	\$800.00	
4.	Quick coupling valve	2	EA	\$400.00	\$800.00	
5.	Drip irrigation	13,050	SF	\$2.00	\$26,100.00	
6.	Bubblers, 2 per tree	46	EA	\$50.00	\$2,300.00	
						\$39,000.00
F	Planting					
1.	Tree, 24" box	23	EA	\$300.00	\$6,900.00	
2.	Shrub, 5 gallon	280	EA	\$40.00	\$11,200.00	
3.	Shrub, 1 gallon	800	EA	\$18.00	\$14,400.00	
4.	Root barrier	350	LF	\$8.00	\$2,800.00	
5.	Cobble	85	TN	\$40.00	\$3,400.00	
6.	Mulch	13,050	SF	\$0.75	\$9,787.50	
						\$48,490.00
G	Landscape Maintenance					
1.	Plant establishment	3	MO	\$3,000.00	\$9,000.00	
						\$9,000.00
H	Landscape Soil Preparation					
1.	Soil amendment / fine grading	16,050	SF	\$0.80	\$12,840.00	
						\$12,840.00
I	SUBTOTAL CONSTRUCTION COSTS					\$203,010.00
J	Design Contingency	Allow	15%	\$30,451.50	\$30,451.50	

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CONTEMPORARY Concept

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Item #	Description	Qty	Unit	Cost	Item Total	Subtotal
						\$30,450.00
K	ANTICIPATED LOW BID					\$233,460.00
L	Contingencies					
1.	Construction change orders	Allow	5%	\$11,673.00	\$11,673.00	\$11,670.00
M	TOTAL OF MEDIAN CONSTRUCTION					\$245,130.00
Based on drawing entitled "Contemporary Concept," dated 03/16/17. 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.						

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Estimate of Probable Construction Costs
Castro Street Medians
Plaza Concept Plan 1

prepared on: 03/16/17
prepared by: LC
checked by: DR

Item #	Description	Qty	Unit	Cost	Item Total	Subtotal
A	Project Start-up					
1.	Bonding and mobilization	Allow	8%	\$10,341.60	\$10,341.60	
						\$10,340.00
B	Demolition					
1.	Sculpture, remove and return to City	Allow	LS	\$2,500.00	\$2,500.00	
2.	Pear trees	8	EA	\$500.00	\$4,000.00	
3.	Site furnishings return to City	Allow	LS	\$1,000.00	\$1,000.00	
4.	Cap fountain plumbing	Allow	LS	\$5,000.00	\$5,000.00	
5.	Miscellaneous removals	Allow	LS	\$10,000.00	\$10,000.00	
						\$22,500.00
C	Site Construction & Furnishings					
1.	Patio table	13	EA	\$1,100.00	\$14,300.00	
2.	Umbrella	5	EA	\$3,500.00	\$17,500.00	
3.	Chairs	39	EA	\$280.00	\$10,920.00	
4.	Wood benches	7	EA	\$2,050.00	\$14,350.00	
5.	Power pedestal	2	EA	\$1,500.00	\$3,000.00	
6.	Electrical work	Allow	LS	\$15,000.00	\$15,000.00	
8.	Tile	Allow	LS	\$5,000.00	\$5,000.00	
						\$80,070.00
D	Irrigation					
1.	Irrigation P.O.C. at fountain	1	EA	\$3,500.00	\$3,500.00	
2.	Restore irrigation at raised planters	Allow	LS	\$2,500.00	\$2,500.00	
3.	Remote control valve	2	EA	\$400.00	\$800.00	
4.	Isolation valve	1	EA	\$400.00	\$400.00	
5.	Quick coupling valve	1	EA	\$400.00	\$400.00	
6.	Drip irrigation	440	SF	\$5.00	\$2,200.00	
7.	Bubblers, 2 per tree	2	EA	\$50.00	\$100.00	
						\$9,900.00
E	Planting					
1.	Import soil	40	CY	\$50.00	\$2,000.00	
2.	Tree, 60" box in circular planter	1	EA	\$4,000.00	\$4,000.00	
3.	Tree, 24" box in raised planters	10	EA	\$300.00	\$3,000.00	
4.	Plants, 1 gallon in planters at performing arts building	30	EA	\$18.00	\$540.00	
5.	Root barrier	230	LF	\$8.00	\$1,840.00	
6.	Mulch	880	SF	\$0.75	\$660.00	
						\$12,040.00
F	Landscape Maintenance					
1.	Plant establishment	3	MO	\$1,000.00	\$3,000.00	
						\$3,000.00
G	Landscape Soil Preparation					
1.	Soil amendment / fine grading	880	SF	\$2.00	\$1,760.00	
						\$1,760.00
H	SUBTOTAL CONSTRUCTION COSTS					\$139,610.00
I	Design Contingency	Allow	15%	\$20,941.50	\$20,941.50	

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Estimate of Probable Construction Costs
Castro Street Medians
Plaza Concept Plan 1

prepared on: 03/16/17
prepared by: LC
checked by: DR

Item #	Description	Qty	Unit	Cost	Item Total	Subtotal
						\$20,940.00
J	ANTICIPATED LOW BID					\$160,550.00
K	Contingencies					
1.	Construction change orders	Allow	5%	\$8,027.50	\$8,027.50	
						\$8,030.00
L	TOTAL OF PLAZA CONSTRUCTION					\$168,580.00
Based on drawing entitled "Plaza Concept Plan 1," dated 03/16/17.						
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Estimate of Probable Construction Costs
Castro Street Medians
Plaza Concept Plan 2

prepared on: 03/16/17
prepared by: LC
checked by: DR

Item #	Description	Qty	Unit	Cost	Item Total	Subtotal
A	Project Start-up					
1.	Bonding and mobilization	Allow	8%	\$11,040.80	\$11,040.80	
						\$11,040.00
B	Demolition					
1.	Planters	5	EA	\$200.00	\$1,000.00	
2.	Pear trees	8	EA	\$500.00	\$4,000.00	
3.	Large cedar tree	1	EA	\$5,000.00	\$5,000.00	
4.	Site furnishings return to City	Allow	LS	\$1,000.00	\$1,000.00	
5.	Cap fountain plumbing	Allow	LS	\$5,000.00	\$5,000.00	
6.	Miscellaneous removals	Allow	LS	\$10,000.00	\$10,000.00	
						\$26,000.00
C	Site Construction & Furnishings					
1.	Patio table no umbrella	8	EA	\$3,500.00	\$28,000.00	
2.	Patio table with umbrella	5	EA	\$7,350.00	\$36,750.00	
3.	Lounge bench	8	EA	\$900.00	\$7,200.00	
4.	Solar-powered bench	2	EA	\$4,500.00	\$9,000.00	
5.	Decals on glass	Allow	LS	\$5,000.00	\$5,000.00	
						\$85,950.00
D	Irrigation					
1.	Irrigation P.O.C. at fountain	1	EA	\$3,500.00	\$3,500.00	
2.	Restore irrigation at raised planters	Allow	LS	\$2,500.00	\$2,500.00	
3.	Remote control valve	2	EA	\$400.00	\$800.00	
4.	Isolation valve	1	EA	\$400.00	\$400.00	
5.	Quick coupling valve	1	EA	\$400.00	\$400.00	
6.	Drip irrigation	440	SF	\$5.00	\$2,200.00	
						\$9,800.00
E	Planting					
1.	Import soil	40	CY	\$50.00	\$2,000.00	
2.	Tree, 60" box at Castro Street	1	EA	\$4,000.00	\$4,000.00	
3.	Tree, 24" box in raised planters	10	EA	\$300.00	\$3,000.00	
4.	Root barrier	230	LF	\$8.00	\$1,840.00	
5.	Mulch	880	SF	\$0.75	\$660.00	
						\$11,500.00
F	Landscape Maintenance					
1.	Plant establishment	3	MO	\$1,000.00	\$3,000.00	
						\$3,000.00
G	Landscape Soil Preparation					
1.	Soil amendment / fine grading	880	SF	\$2.00	\$1,760.00	
						\$1,760.00
H	SUBTOTAL CONSTRUCTION COSTS					\$149,050.00
I	Design Contingency	Allow	15%	\$22,357.50	\$22,357.50	
						\$22,360.00
J	ANTICIPATED LOW BID					\$171,410.00

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Estimate of Probable Construction Costs
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Plaza Concept Plan 2

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Item #	Description	Qty	Unit	Cost	Item Total	Subtotal
K	Contingencies					
1.	Construction change orders	Allow	5%	\$8,570.50	\$8,570.50	
						\$8,570.00
L	TOTAL OF PLAZA CONSTRUCTION					\$179,980.00
Based on drawing entitled "Plaza Concept Plan 2," dated 03/16/17.						
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