

Whitecliff Park Quarry Enhancements

Estimate of Probable Construction Costs

Bond Architects + Planning Design Studio

City of Crestwood, MO

1/14/2020



bond
architects



Item	Unit	Quantity	Unit Price	Cost
Demolition & Preparation¹				
Contractor Mobilization	LS	1	\$ 10,000.00	\$ 10,000
Gravel Road Removal and Haul-Off	CY	140	\$ 12.00	\$ 1,680
Erosion and Sediment Control	LF	760	\$ 2.00	\$ 1,520
Chain-link Fence Removal	LF	380	\$ 4.00	\$ 1,520
			Subtotal	\$ 14,720
Utilities				
Electrical				
Electrical Allowance (incl. service from Lodge Pole Ln., bore under cree	LS	1	\$ 50,000.00	\$ 50,000
			Subtotal	\$ 50,000
Earthwork				
Rough Site Grading (trails, plazas)	LS	1	\$ 5,000.00	\$ 5,000
Finish Grading	SY	6000	\$ 0.28	\$ 1,680
			Subtotal	\$ 6,680
Site Features				
Plaza Pavement (concrete)	SF	1678	\$ 6.50	\$ 10,907
Column Plaza Pavement (crushed gravel)	SF	1675	\$ 3.50	\$ 5,863
Crushed Gravel Walks	SF	11205	\$ 3.50	\$ 39,218
Asphalt Parking Lot	SY	295	\$ 50.00	\$ 14,750
Benches	EA	8	\$ 800.00	\$ 6,400
Fishing Boardwalk	SF	1120	\$ 30.00	\$ 33,600
Interpretive Sign	LS	1	\$ 3,500.00	\$ 3,500
Pavement Striping	LF	200	\$ 0.50	\$ 100
Fencing (4' Chain Link - Black-vinyl coated)	LF	200	\$ 20.00	\$ 4,000
Pedestrian Bridges ²			\$ -	\$ -
Trail to Creek ²			\$ -	\$ -
Pavilion / Restroom Building ²			\$ -	\$ -
			Subtotal	\$ 118,337
Landscape				
Ornamental Trees	EA	18	\$ 290.00	\$ 5,220
Shrubs - #3 Cont. (36" O.C.)	EA	120	\$ 54.00	\$ 6,480
Perennials - Quart Cont. (18" O.C.)	EA	480	\$ 9.00	\$ 4,320
Mulch	CY	18	\$ 60.00	\$ 1,080
Planting Soil	CY	150	\$ 45.00	\$ 6,750
Seed	SY	3700	\$ 1.50	\$ 5,550
			Subtotal	\$ 29,400
			Subtotal Construction Items	\$ 219,137
Fees + Contingency				
Master Plan Design Fees	LS	1	\$ 13,330.00	\$ 13,330
Construction Documents Fees ³	LS	1	\$ 31,000.00	\$ 31,000
Construction Period Services	LS	1	\$ 9,000.00	\$ 9,000
Topographic Survey	LS	1	\$ 6,000.00	\$ 6,000
Contingency			15%	\$ 32,871
			Subtotal Design Items	\$ 46,000
			TOTAL PROJECT COST	\$ 265,137

Notes:

- Assumes city will perform brush clearing, selective tree removal and tree protection fencing
- Future phase item (not included in estimate)
- Additional Services Allowance (as required):
 - Pond Water Quality Testing & Assessment - \$2,600
 - Boundary Survey Budget - \$4,500
 - MSD Water Quality Design Budget - \$5,000
 - No-Rise Flood Study Budget - \$10,000