

Acorn Urban Park

Facility Plan Cost Estimate Summary

Item	Total Cost
Site Preparation and Demolition	\$56,100
Tree Protection	\$31,200
Sediment and Erosion Control	\$8,100
Earthwork	\$6,500
Stormwater Management & Drainage	\$8,800
Utilities (MEP & lighting)	\$73,700
Paving (walkways & terraces)	\$118,600
Structures (walls, stairs, boardwalk, fence & railing)	\$170,400
Site Amenities (playground, furnishings, signage)	\$173,900
Rehabilitation of Historic Features	\$50,000
Landscape Improvements	\$77,200
Miscellaneous	\$10,000
CONSTRUCTION SUBTOTAL	\$784,500
General Contractor Overhead & Profit @10%	\$78,500
Bond (1.5% Construction Subtotal)	\$11,800
Construction Contingency (15% of Construction Subtotal)	\$117,700
Design Contingency (5% of Construction Subtotal)	\$39,300
CONSTRUCTION TOTAL (Subtotal plus Contingency)	\$1,020,000
Design Cost	\$100,000
Staff Chargebacks for Detail Design	\$30,000
Construction Management & Inspections (4% of Construction Total)	\$40,800
TOTAL PROJECT COST	\$1,190,800

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Facility Plan Cost Estimates

ITEM	TOTAL COST
Site Preparation and Demolition	\$56,100
Mobilization - Project Identification Sign, Site Closed Signs, Construction Waste Disposal and General Conditions (5% construction cost before mobilization)	\$25,000
Construction Stakeout	\$5,000
Maintenance of Traffic (signage, markings, barriers, flagmen, etc.)	\$2,000
Remove Existing Stone Stairs, Cheek Walls and Landings	\$2,000
Remove Existing Concrete, Stone and Brick Pavement	\$12,000
Remove Existing River Stones & Filter Fabric	\$1,000
Remove and Salvage Existing Sign	\$600
Remove and Salvage Existing Lights	\$6,800
Remove and Salvage Existing Benches	\$300
Remove and Salvage Existing Bike Racks	\$400
Remove Existing Vegetation	\$1,000
Tree Protection	\$31,200
6' Tall Temporary Construction Fencing at Perimeter	\$3,000
Tree Protection Fencing (Woven Wire Fabric w/Signage)	\$5,000
Special Tree Protection Fence	\$1,000
Root Pruning	\$2,500
Airspading	\$15,000
6" Mulch with Timber or Composite Matting Surface	\$4,700
Sediment and Erosion Control	\$8,100
Stabilized Construction Entrance	\$3,000
Curb Inlet Protection	\$500
Super Silt Fence	\$1,500
Filter Log	\$1,600
Temporary Stabilization - Seeding, Mulching	\$500
Dust Protection	\$1,000
Earthwork	\$6,500
Strip Topsoil	\$500
Earthwork - Select Borrow	\$2,000
Fine Grading	\$1,000
Topsoil Import, Including Testing and Amendments (6")	\$3,000
Stormwater Management & Drainage	\$8,800

Mainhole and 4" PVC Connection to Existing 24" Storm Sewer	\$1,000
Bioretention Underdrain	\$500
4" PVC, Including Excavation and Fill	\$1,500
Playground Underdrain (4" Perforated PVC)	\$800
Plung Pool 4'x5'	\$5,000
Utilities (MEP & lighting)	\$73,700
Lighting Electrical Allowance	\$10,000
Pole Light Single	\$16,000
Accent Light	\$10,000
astronomical time clock with photocell	\$800
programming per day	\$600
off delay timer switch	\$300
Relocate Existing Fire Hydrant	\$30,000
Plumbing for Fountain	\$6,000
Paving (walkways & terraces)	\$118,600
6" Concrete Curb & Gutter	\$8,000
Brick Paving	\$40,400
Special Paving with Concrete Slab	\$41,400
Granite Edging	\$1,200
Granite Curb	\$3,200
Stone Runnel	\$4,400
Street Crossing	\$20,000
Structures (walls, stairs, boardwalk, fence & railing)	\$170,400
Boardwalk System	\$10,000
Wood Platform	\$60,000
Toekick	\$2,200
42" Guardrail	\$7,500
38" Handrail	\$10,200
Stone Venered Seat Wall	\$17,100
Stone Venered Retaining Wall	\$5,400
Stone Stairs	\$6,000
Rebuild Stone Stairs, Landings and Walls	\$30,000
Bioretention Concrete Retaining Wall 5' ht'	\$15,000
Bioretention Concrete Retaining Wall 4' ht'	\$7,000
Site Amenities (playground, furnishings, signage)	\$173,900
Play Equipment	\$3,000

Acorn Spinner	\$1,600
Balance Log	\$4,500
Fountain and Nymph	\$15,000
Boulders	\$11,500
Stepping Stone Paving	\$9,000
Engineered Wood Fiber Playground Area	\$1,800
Benches on Wood Platform	\$7,500
Movable Furniture and Game Table	\$15,000
Signage	\$5,000
Public Art & Historic Interpretation	\$100,000
Rehabilitation of Historic Features	\$50,000
Clean and Restore Spring	\$8,000
Drainage at Grotto	\$35,000
Clean and Restore Acorn Gazebo	\$7,000
Landscape Improvements	\$77,200
Soil Preparation with Soil Amendments	\$6,000
Natural Turf - sodded lawn	\$4,400
Ornamental Trees (6'-7' height)	\$2,300
Canopy Trees - 5" caliper	\$1,000
Perennials and Grasses - landscape plugs	\$41,500
Bioretention Planting	\$1,200
Shrubs	\$800
Three-Year Maintenance and Extended Warranty	\$20,000
Miscellaneous	\$10,000
As-Built Drawings & MOM	\$5,000
Electronic Submission of Submittals	\$5,000
CONSTRUCTION SUBTOTAL	\$784,500
General Contractor Overhead & Profit @ 10%	\$78,500
Bond (1.5%)	\$11,800
Construction Contingency (15% of Construction Subtotal)	\$117,700
Design Contingency (5% of Construction Subtotal)	\$39,300
CONSTRUCTION TOTAL (Subtotal plus Contingency)	\$1,020,000
Design Cost (include specialty consultants)	\$100,000
Staff Chargebacks for Detail Design	\$30,000
Construction Management & Inspections (4% of Construction Total)	\$40,800
TOTAL PROJECT COST	\$1,190,800