

11-Jan-16

City of Somerville, Massachusetts  
Lincoln Park Improvements

Overall Project Budget - Opinion of Probable Cost



**Total Cost for Site Improvements**

SUBTOTAL	\$	7,464,285
Mobilization, Overhead & Profit (10%)	\$	746,428
Contingency (10%)	\$	746,428
TOTAL CONSTRUCTION BUDGET	\$	8,957,142

**OPM Services for Construction (Clerk of the Works)**

<i>assumes 60 week construction schedule @ 30 hrs / week</i>					
Resident LA / Engineer	1800	HRS	\$	125	\$ 225,000
			Subtotal		\$ 225,000

**Design Services Amendment and Contingency**

<i>based on amendment request dated 1.11.16</i>					
Additional Design Services	1	LS	\$	196,250	\$ 196,250
20% Design Contingency during construction	1	LS	\$	39,250	\$ 39,250
			Subtotal		\$ 235,500

**OVERALL PROJECT OPINION OF PROBABLE COSTS**

\$ 9,417,642

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		Unit	Unit Cost	Ext Cost	Notes
<b>SITE PREPARATION/ DEMOLITION</b>					
Temporary construction fence	1,200	LF	\$ 8	\$ 9,600	Assumes a two "work zone" approach.
Construction entrance traction pad	2	LS	\$ 5,000	\$ 10,000	
Construction trailer with electricity and internet	1	LS	\$ 20,000	\$ 20,000	assumes 60 weeks
Erosion control device - straw wattles	1,000	LF	\$ 5	\$ 5,000	
Tree Removal and Pruning	1	LS	\$ 30,000	\$ 30,000	56 Trees and/or Large Shrubs
R&D Paving	7,670	SY	\$ 10	\$ 76,700	
R&D Fence	2,000	LF	\$ 7	\$ 14,000	
Strip & Dispose existing turf @ 2"d	875	CY	\$ 60	\$ 52,500	
Strip & Stockpile loam @ 6"d	3,536	CY	\$ 8	\$ 28,288	
R&D Existing Lighting	1	LS	\$ 25,000	\$ 25,000	
R&D Existing Utilities and Structures	1	LS	\$ 20,000	\$ 20,000	
Misc. Demolition	1	LS	\$ 25,000	\$ 25,000	
15% contingency	1	LS	\$ 47,413	\$ 47,413	
		<b>Subtotal</b>		<b>\$ 363,501</b>	
<b>EARTHWORK</b>					
Rough Grading	29,480	SY	\$ 1	\$ 29,480	
Fine Grading	29,480	SY	\$ 2	\$ 58,960	
15% contingency	1	LS	\$ 13,266	\$ 13,266	
		<b>Subtotal</b>		<b>\$ 101,706</b>	
<b>SUBSURFACE STORMWATER SYSTEM</b>					
Stormwater Chambers	3,160	EA	\$ 280	\$ 884,800	25 year event storage
Excavation	11,967	CY	\$ 15	\$ 179,505	Reuse on-site
Drain Stone	6,967	CY	\$ 35	\$ 243,845	
12" Drain Pipe	1,000	LF	\$ 35	\$ 35,000	
6" Perforated Underdrain Pipe	980	LF	\$ 25	\$ 24,500	At playground areas
Drain Inlets	20	EA	\$ 2,500	\$ 50,000	
Drainage Structures	5	EA	\$ 6,000	\$ 30,000	Manholes
12" Collector Drains at Fields	1975	LF	\$ 35	\$ 69,125	
2" Lateral Drains at Fields	10150	LF	\$ 9	\$ 91,350	
15% contingency	1	LS	\$ 241,219	\$ 241,219	
		<b>Subtotal</b>		<b>\$ 1,849,344</b>	
<b>SITE IMPROVEMENTS</b>					
Cast-In-Place Walls (30" ht.)	260	CY	\$ 700	\$ 182,000	
Deck Facade at Walls	935	SF	\$ 25	\$ 23,375	
Granite Landscape Boulders (Natural)	300	TON	\$ 400	\$ 120,000	Assumed 50 blocks at 3' x 6' x 2'
Granite Landscape Blocks (Cut Stone)	115	TON	\$ 450	\$ 51,750	Seawall Stone or similar
Concrete Mow Curb	1400	LF	\$ 25	\$ 35,000	
Concrete Paving	2,715	SY	\$ 75	\$ 203,625	
Colored Concrete Paving	460	SY	\$ 95	\$ 43,700	
Bituminous Concrete Paving - Vehicular	555	TON	\$ 160	\$ 88,800	4" full depth pavement located at schoolyard and fire lane.
Gravel Subbase	1,835	CY	\$ 35	\$ 64,225	8" depth assumed
Color Sealcoat	24,095	SF	\$ 1	\$ 24,095	
Poured-In-Place Playground Surface	10,165	SF	\$ 16	\$ 162,640	
Steel Edger	405	LF	\$ 15	\$ 6,075	
Recycled Plastic Timber Edger	300	LF	\$ 9	\$ 2,700	
Wood Mulch Fiber Surfacing	186	CY	\$ 50	\$ 9,300	
Crushed Stone Under Mulch and Decks	130	CY	\$ 35	\$ 4,550	
Granite Curbing	405	LF	\$ 35	\$ 14,175	
Play Equipment	1	LS	\$ 785,000	\$ 785,000	
Decking and Bridges	1,790	SF	\$ 45	\$ 80,550	
Accessible Aggregate Surfacing	340	SY	\$ 30	\$ 10,200	
Drinking Fountain	3	EA	\$ 5,000	\$ 15,000	
Seating (Benches, Lounges, Hammocks)	1	LS	\$ 200,000	\$ 200,000	
OLRA	1	LS	\$ 45,000	\$ 45,000	fencing, furnishings, etc.
Misc. Furniture / Amenities	1	LS	\$ 75,000	\$ 75,000	Trash Receptacles, Bike Racks, Bollards etc.
15% contingency	1	LS	\$ 326,514	\$ 326,514	
		<b>Subtotal</b>		<b>\$ 2,573,274</b>	

		Unit	Unit Cost	Ext Cost	Notes
<b>PLANTING</b>					
Tree Planting (4"-4.5" cal.)	150	EA	\$ 1,200	\$ 180,000	
Shrub / Groundcover Planting	7,250	SF	\$ 28	\$ 203,000	
Rootzone Mix	2,120	CY	\$ 36	\$ 76,320	
Loam and Seed	17,670	SY	\$ 4	\$ 70,680	
Loam and Sod	14220	SY	\$ 10	\$ 142,200	High Use Mix
Garden Planters	25	EA	\$ 1,500	\$ 37,500	
Storage Shed	1	EA	\$ 8,000	\$ 8,000	for gardens
15% contingency	1	LS	\$ 107,655	\$ 107,655	
			<b>Subtotal</b>	<b>\$ 825,355</b>	
<b>FIELD AND COURT AMENITIES</b>					
Softball Field- Infield Mix	140	CY	\$ 60	\$ 8,400	
Foul Poles	2	EA	\$ 3,000	\$ 6,000	
Skate Amenities	1	LS	\$ 200,000	\$ 200,000	
Soccer Goals	2	EA	\$ 5,500	\$ 11,000	Portable
Backstop	1	LS	\$ 25,000	\$ 25,000	
BVCL Fencing - 8' Ht.	1040	LF	\$ 65	\$ 67,600	
Ornamental Fencing- 4' Ht	360	LF	\$ 120	\$ 43,200	
Basketball Goals	3	EA	\$ 5,500	\$ 16,500	
Multi-Sport Goal	1	EA	\$ 10,000	\$ 10,000	
Player Benches	6	EA	\$ 1,500	\$ 9,000	
Splash Pad Equipment	1	LS	\$ 40,000	\$ 40,000	
Turf Protection Fencing	1	LS	\$ 30,000	\$ 30,000	
Storage Shed for DPW / Rec	1	LS	\$ 8,000	\$ 8,000	divided with two locking doors
Irrigation System	1	LS	\$ 100,000	\$ 100,000	All lawn and planting areas, softball field and soccer field
Backflow Preventer and Cabinet	1	LS	\$ 8,000	\$ 8,000	
Water Service	1	LS	\$ 15,000	\$ 15,000	
15% contingency	1	LS	\$ 89,655	\$ 89,655	
			<b>Subtotal</b>	<b>\$ 687,355</b>	
<b>ELECTRICAL</b>					
Sports Lighting	8	EA	\$ 60,000	\$ 480,000	
Pedestrian Lighting	40	EA	\$ 10,000	\$ 400,000	
Cabinet	1	EA	\$ 10,000	\$ 10,000	
Upgrade Electrical Service	1	LS	\$ 35,000	\$ 35,000	
15% contingency	1	LS	\$ 138,750	\$ 138,750	
			<b>Subtotal</b>	<b>\$ 1,063,750</b>	
<b>TOTAL CONSTRUCTION COSTS</b>					
SUBTOTAL				<b>\$ 7,464,285</b>	
Mobilization, Overhead & Profit (10%)				\$ 746,428	
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