

Veterans Memorial Park

Stamford, CT

Master Plan

October 2015

Prepared for the Veterans Memorial Park Ad-Hoc Committee

Prepared by: **Beta Group Inc.**



Index

Acknowledgments

Section One | Background

Section Two | Existing conditions

Section Three | Planning process

Section Four | Master Plan

Section Five | Cost Estimate

Acknowledgments

The Veterans Memorial Park Master Plan was developed by BETA Group, Inc. on behalf of the Veterans Memorial Park Ad-Hoc Committee, The committee would like to give special recognition to the City of Stamford, Reckson/SL Green, Taubman Centers, Inc. and Stamford Downtown for their representation on the committee and financial support of the project.

Committee Members:

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David Winston City of Stamford Parks & Rec Commission

Section One

Background

The Veterans Memorial Park Master Plan is a planning and design tool whose purpose is to guide and bring consensus to the design of the space with respect to the memorial landscape.

Veterans Memorial Park is in the heart of Stamford's downtown commercial district and is bordered by the Landmark Square office complex, a busy bus stop, First County Bank and the Stamford Town Center Mall. Significant war monuments have been dispersed throughout the park to honor Stamford's veterans, but the poor placement of the monuments has allowed the memorial aspect of the park to be overlooked in the bustle of the urban setting. The random arrangement of the monuments, trees, and hardscapes has hindered the space from having large events and created hiding places throughout the park, compromising security. A feeling of disconnectedness, lack of meaningful park use, and recent crime activity brought together a group of local business leaders and veterans as an ad-hoc committee to improve the park for the surrounding community.

This master plan consciously tries to meet the goals put forth by the committee:

- Celebrate and honor veterans in a more comprehensive way
- Serve as a public meeting place
- Become an entryway to the mall and offices
- Become a venue for community-oriented events
- Be a primary link for east-west connection through the downtown
- Continue to serve as an integral hub for bus travel

Within these goals, the Master Plan proposes is designed to create an engaging urban park to meet the needs of the veteran community, the growing downtown population, and the surrounding office and retail uses of the park.

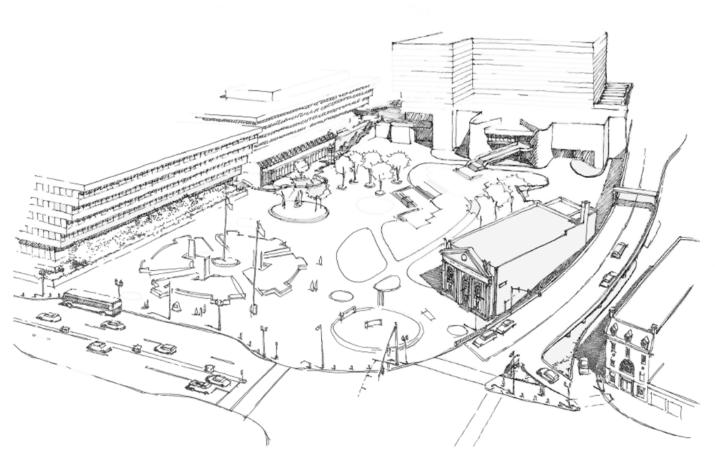


Existing Conditions of Veterans Memorial Park

Section Two

Existing Conditions

An extensive study of the landscape features within the Veterans Memorial Park revealed an underutilized open space in need of many improvements which would enhance the park's quality and meet acceptable standards.



Perspective of Existing Conditions



















Existing monuments within the Park







Existing Condition Photos







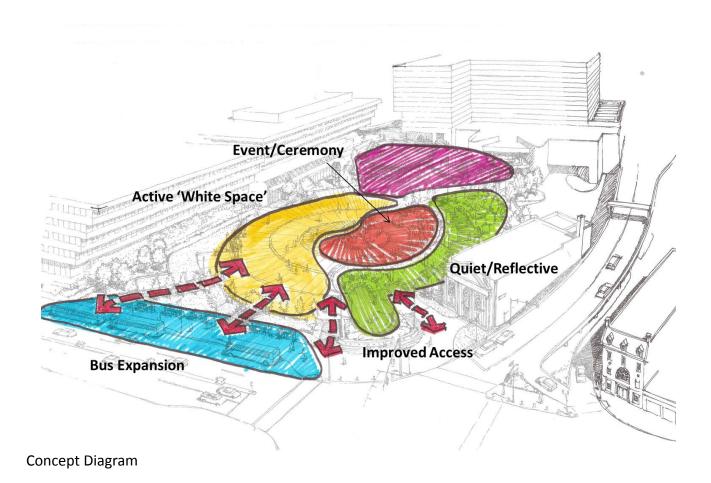
Section Three

Planning Process

BETA Group, Inc. in collaboration with Northeast Collaborative Architects and CR3 LLP, was hired to work with the Ad-Hoc Committee to develop a master plan that would honor Stamford's veterans, improve connectivity, activate the park and accommodate a wide variety of users. Starting in February, BETA began leading design charrettes with the committee in a process that started with understanding the park from the stand point of the various stakeholders. The committee was comprised of a diverse selection of individuals from the Stamford community, to ensure that all concerns were taken into consideration. The Team conceived several preliminary design options that accommodated the varied interests of the group and culminated with a final master plan that was supported unanimously by the committee. A public meeting was held on Tuesday June 16th, 2015 where the community was invited to see the master plan and offer input and feedback.



Members of the committee discussing preliminary design





Preliminary Concept - December 2014

Design Alternative Studies - March 2015



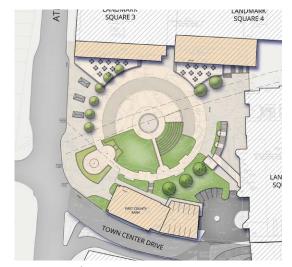
Concept Alternative 1





Concept Alternative 2







Concept Alternative 3



Concept Alternative 4



Section Four

Master Plan

The Veterans Memorial theme will encompass the entire new park, with space for quiet reflection as well as public events. The new park will have an enhanced plaza with red pavers in the center and five white stars, representing the five branches of the military. An amphitheater built into the re-graded hillside will seat about 300 people for events, with the possibility for additional seating in the plaza that could accommodate up to 1,000. Pathways will lead up the hill to the relocated granite monoliths and other monuments that honor Stamford's war veterans, surrounded by benches and landscaping for a meaningful visitor experience. Connectivity from the bus stop to the surrounding buildings will be improved and safety concerns will be addressed by establishing greater visibility throughout the park.

Project Elements:

- 1. Raised Intersection
- 2. Gateway Sign
- 3. North Lawn
- 4. Service Trees
- 5. Flagpole
- 6. Service Garden
- 7. Lincoln Memorial
- 8. Veterans Memorial Tablets
- 9. Dough-Boy Memorial
- 10. Stamford Savings Bank Entry
- 11. Amphitheater Seating
- 12. Service Stars
- 13. Transit Shelters
- 14. Retail Seating
- 15. South Lawn
- 16. Main Plaza
- 17. Existing Pedestrian Bridge
- 18. Traffic Improvements
- 19. Stairs
- 20. Memorial Courtyard
- 21. Plantings
- 22. Bike Path



Masterplan Design - July 2015



Perspective View From Landmark Square Shopping Center



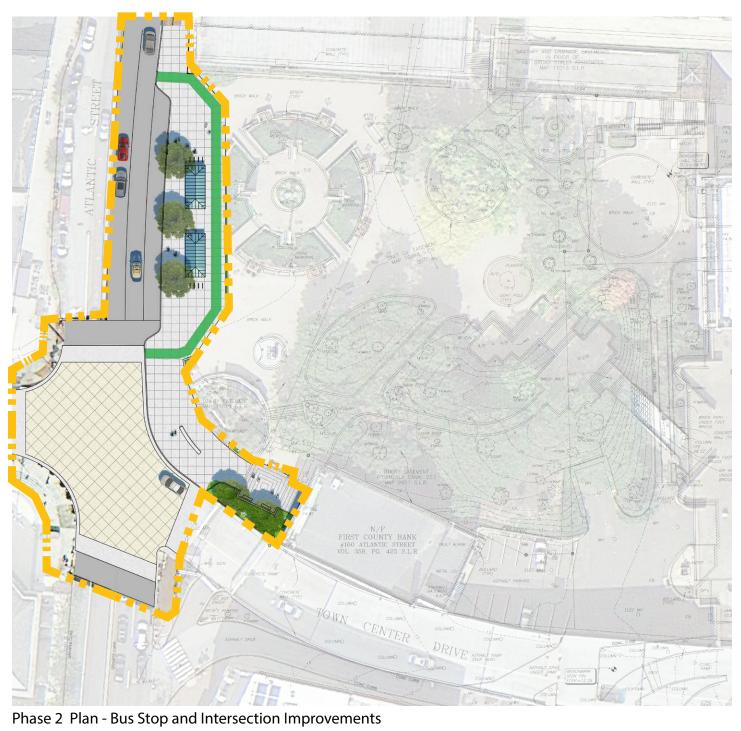
Perspective View From The Old Town Hall

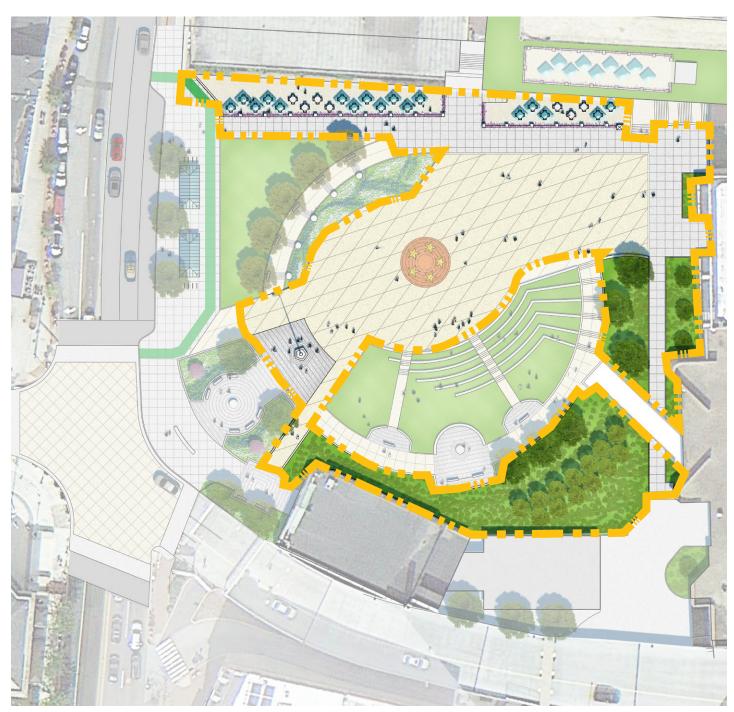
Section Five

Plan Phasing



Phase 1 Plan - North and South Lawns, Welcome Garden and Relocation of Monuments





Phase 3 Plan - Plaza Landscape



Completed Design

Section 6

Cost Estimate - Overall Cost Estimate

NO.	UNIT	ITEM DESCRIPTION	UNIT COST	QTY E	ST. COST
Site Pre	paration	& Demolition			
1	CY	Unclassified Excavation	\$50.00	4,100	\$164,000.00
2	LF	Remove & Dispose Conc. Steps	\$10.00	1,200	\$12,000.00
3	LF	Remove & Reset Granite Curb	\$20.00	350	\$2,000.00
4	EA	Tree Removal 4"-14" Dia.	\$525.00	36	\$18,900.00
5	EA	Tree Removal 14"-21" Dia.	\$1,050.00	13	\$13,650.00
6	EA	Tree Removal 21"+ Dia.	\$3,300.00	2	\$6,600.00
7	EA	Remove & Dispose Bench	\$100.00	16	\$1,600.00
9	EA	Remove & Dispose Concrete Bollards	\$100.00	13	\$500.00
12	LS	Clearing & Grubbing	\$20,000.00	1	\$20,000.00
				Sub-Total	\$240,000.00
Utility V	Vork				
21	EA	Remove & Dispose Trench Drain	\$350.00	5	\$1,750.00
22	EA	Remove & Dispose Area Drain	\$250.00	10	\$2,500.00
23	EA	Adjust Catch Basin	\$350.00	7	\$2,100.00
25	EA	Adjust Gas Gate	\$650.00	2	\$650.00
26	EA	Adjust Telephone Manhole	\$700.00	2	\$1,400.00
27	EA	Adjust Electric Manhole	\$700.00	6	\$2,100.00
28	EA	Adjust Miscellaneous Manhole	\$700.00	15	\$9,100.00
33	LF	Remove & Dispose Drain Pipe	\$15.00	1,500	\$22,500.00
34	EA	Catch Basin	\$3,700.00	7	\$25,900.00
35	LF	6" P.V.C. Pipe	\$58.00	900	\$52,200.00
36	LF	12" P.V.C. Pipe	\$95.00	600	\$57,000.00
37	EA	Frame & Grate	\$500.00	7	\$3,000.00
38	LS	Utility Upgrade	\$585,000.00	1	\$585,000.00
				Sub-Total	\$766,000.00
Landsca	pe				
39	CY	Gravel Borrow	\$35.00	2,280	\$79,800.00
40	CY	Exposed Aggregate 1	\$400.00	290	\$72,000.00
41	CY	Exposed Aggregate 2	\$400.00	210	\$84,000.00
42	SF	Concrete Paver	\$25.00	5,000	\$125,000.00
43	SY	Cement Concrete Walk	\$50.00	590	\$29,500.00
44	LF	Granite Edging	\$75.00	410	\$30,750.00
45	LF	Granite Curb	\$75.00	1,820	\$136,500.00
46	LF	Granite Step	\$125.00	550	\$68,750.00
47	CY	Cement Concrete Wall	\$750.00	150	\$112,500.00
48	SF	Landscape Area Type 1	\$15.00	9,500	\$124,500.00
49	SF	Landscape Area Type 2	\$20.00	4,500	\$90,000.00
50	SF	Landscape Area Type 3	\$35.00	3,500	\$122,500.00

NO.	UNIT	ITEM DESCRIPTION	UNIT COST	QTY	EST. COST
Landscape	•				
51	SY	Loam Mix 12"	\$135.00	1,060	\$124,200.00
52	SY	Loam Mix 6"	\$70.00	890	\$62,300.00
53	SF	Sod	\$5.00	21,000	\$97,800.00
54	LS	Irrigation	\$125,000.00	1	\$125,000.00
Monumen	its				
55	EA	Remove, Relocate, & Reset Granite Monoliths	\$7,000.00	4	\$28,000.00
56	EA	Remove, Relocate, & Reset Abe Lincoln Statue	\$7,000.00	1	\$7,000.00
57	EA	Remove, Relocate, & Reset Stone Monument	\$2,500.00	11	\$27,500.00
58	EA	Remove, Relocate, & Reset Soldier Statue & C	\$5,000.00	1	\$5,000.00
60	EA	Remove & Stockpile HW Statue	\$5,000.00	1	\$5,000.00
61	EA	New Monuments	\$25,000.00	5	\$125,000.00
				Sub-Total	\$198,000.00
Site Amen	ities				
62	EA	New Bench	\$3,500.00	17	\$59,500.00
63	EA	New Tree	\$950.00	35	\$30,400.00
66	LF	Custom Handrail	\$200.00	80	\$16,000.00
67	LF	Terrace Railing	\$125.00	300	\$37,500.00
				Sub-Total	\$144,000.00
Electrical					
72	LS	Lighting	\$360,000.00	1	\$360,000.00
				Sub-Total	\$360,000.00
Miscellane	eous				
73	LS	Traffic Signal System (Ornamental)	\$0.00	1	\$0.00
74	LS	Maintenance and Protection of Traffic	\$60,000.00	1	\$60,000.00
75	LS	Environmental Health and Safety	\$45,000.00	1	\$45,000.00
76	LS	Construction Staking	\$45,000.00	1	\$45,000.00
77	LS	Mobilization	\$100,000.00	1	\$100,000.00
78			\$220,000.00	1	\$220,000.00
	Allow	Traffic Police	\$35,000.00	1	\$35,000.00
				Sub-Total	\$505,000.00
				Sub-Total	\$3,699,000.00
			25% C	ontingency	\$924,750.00
Intersection		Sustop Improvements			
	LS		\$2,000,000.00	1	\$2,000,000.00
				TOTAL	\$7,000,000.00

Phase 1 - Cost Estimate

NO.	UNIT	ITEM DESCRIPTION	UNIT COST	QTY	EST. COST
Site Prep	aration 8	& Demolition			
1	CY	Unclassified Excavation	\$50.00	2,200	\$110,000.00
4	EA	Tree Removal 4"-14" Dia.	\$525.00	15	\$7,875.00
5	EA	Tree Removal 14"-21" Dia.	\$1,050.00	11	\$11,550.00
7	EA	Remove & Dispose Bench	\$100.00	16	\$1,600.00
12	LS	Clearing & Grubbing	\$10,000.00	1	\$10,000.00
				Sub-Total	\$142,000.00
Utility W	ork				
21	EA	Remove & Dispose Trench Drain	\$350.00	5	\$1,750.00
22	EA	Remove & Dispose Area Drain	\$250.00	10	\$2,500.00
23	EA	Adjust Catch Basin	\$350.00	2	•
24	EA	Adjust Water Gate	\$200.00	1	\$200.00
26	EA	Adjust Telephone Manhole	\$700.00	1	\$700.00
27	EA	Adjust Electric Manhole	\$700.00	3	\$2,100.00
28	EA	Adjust Miscellaneous Manhole	\$700.00	4	\$2,800.00
33	LF	Remove & Dispose Drain Pipe	\$15.00	750	\$11,250.00
34	EA	Catch Basin	\$3,700.00	2	\$7,400.00
35	LF	6" P.V.C. Pipe	\$58.00	450	\$26,100.00
36	LF	12" P.V.C. Pipe	\$95.00	300	\$28,500.00
37	EA	Frame & Grate	\$500.00	7	\$3,500.00
38	LS	Utility Upgrade	\$325,000.00	1	\$325,000.00
				Sub-Total	\$413,000.00
Landscap	e				
39	CY	Gravel Borrow	\$35.00	1,800	\$63,000.00
40	CY	Exposed Aggregate 1	\$400.00	60	\$24,000.00
	TON	HMA Walk	\$175.00	280	\$49,000.00
42	SF	Concrete Paver	\$25.00	1,500	\$37,500.00
44	LF	Granite Edging	\$75.00	600	\$45,000.00
45	LF	Granite Curb	\$75.00	550	\$41,250.00
46	LF	Granite Step	\$125.00	350	\$43,750.00
47	CY	Cement Concrete Wall	\$750.00	130	\$97,500.00
50	SF	Landscape Area Type 3	\$35.00	1,200	\$42,000.00
51	SY	Loam Mix 12"	\$135.00	1,770	
52	SY	Loam Mix 6"	\$70.00	140	\$9,800.00
53	SF	Sod	\$5.00	20,478	\$102,390.00
54	LS	Irrigation	\$90,000.00	1	\$90,000.00
				Sub-Total	\$885,000.00

NO.	UNIT	ITEM DESCRIPTION	UNIT COST	QTY	EST. COST
Monume	nts				
55	EA	Remove, Relocate, & Reset Granite Monoliths	\$7,000.00	4	\$28,000.00
56	EA	Remove, Relocate, & Reset Abe Lincoln Statue {	\$7,000.00	1	\$7,000.00
57	EA	Remove, Relocate, & Reset Stone Monument	\$2,500.00	11	\$27,500.00
58	EA	Remove, Relocate, & Reset Soldier Statue & Gra	\$5,000.00	1	\$5,000.00
61	EA	New Monuments	\$25,000.00	5	\$125,000.00
				Sub-Total	\$193,000.00
Site Ame	nities				
62	EA	New Bench	\$3,500.00	13	\$45,500.00
63	EA	New Tree	\$950.00	9	\$8,550.00
66	LF	Custom Handrail	\$200.00	80	\$16,000.00
				Sub-Total	\$71,000.00
Electrical					
72	LS	Lighting	\$100,000.00	1	\$100,000.00
				Sub-Total	\$100,000.00
Miscellan	eous				
74	LS	Maintenance and Protection of Traffic	\$35,000.00	1	\$35,000.00
75	LS	Environmental Health and Safety	\$25,000.00	1	\$25,000.00
76	LS	Construction Staking	\$30,000.00	1	\$30,000.00
77	LS	Mobilization	\$75,000.00	1	\$75,000.00
78	LS	Contaminated Soil	\$135,000.00	1	\$135,000.00
	Allow	Traffic Police	\$20,000.00	1	\$20,000.00
				Sub-Total	\$320,000.00
				Sub-Total	\$2,124,000.00
			25% C	Contingency	\$531,000.00
				TOTAL	\$2,700,000.00

Intersection and Bus Stop Improvements - Cost Estimate

NO.	UNIT	ITEM DESCRIPTION	UNIT COST	QTY EST	r. COST
Site Prep	aration 8	Demolition			
1	CY	Unclassified Excavation	\$50.00	820	\$41,000.00
3	LF	Remove & Reset Granite Curb	\$20.00	250	\$5,000.00
8	EA	Remove & Dispose Bus Shelter	\$2,000.00	2	\$4,000.00
9	EA	Remove & Dispose Concrete Bollards	\$100.00	8	\$800.00
10	EA	Remove & Dispose Flag Pole	\$100.00	1	\$100.00
11	EA	Remove & Dispose Welcome Sign	\$200.00	1	\$200.00
12	LS	Clearing & Grubbing	\$5,000.00	1_	\$5,000.00
			S	ub-Total	\$57,000.00
Intersect	ion Impro	ovements			
13	TON	Surface Course	\$137.00	190	\$26,030.00
14	TON	Base Course	\$137.00	5	\$685.00
15	GAL	Tack Coat	\$8.00	150	\$1,200.00
16	CY	Gravel Borrow	\$35.00	710	\$24,850.00
17	SY	Cement Concrete Sidewalk	\$50.00	140	\$7,000.00
18	EA	Tactile Warning Strip	\$60.00	6	\$360.00
19	SF	Stamped & Colored Concrete	\$25.00	9,500	\$237,500.00
20	SY	Mill & Overlay	\$16.50	1,444	\$23,833.33
45	LF	Granite Curb	\$45.00	60_	\$2,700.00
			S	ub-Total	\$325,000.00
Utility W					
23	EA	Adjust Catch Basin	\$350.00	1	\$350.00
24	EA	Adjust Water Gate	\$650.00	4	\$2,600.00
25	EA	Adjust Gas Gate	\$650.00	1	\$650.00
27	EA	Adjust Electric Manhole	\$700.00	3	\$2,100.00
28	EA	Adjust Miscellaneous Manhole	\$700.00	2	\$1,400.00
29	EA	Remodel Telephone Manhole	\$1,000.00	3	\$3,000.00
30	EA	Remodel Electric Manhole	\$1,000.00	1	\$1,000.00
31	EA	Remodel Miscellaneous Manhole	\$1,000.00	3	\$3,000.00
32	EA	Remodel Catch Basin	\$1,000.00	2	\$2,000.00
37	EA	Frame & Grate	\$500.00	1	\$500.00
38	LS	Utility Upgrade	\$65,000.00	1_	\$65,000.00
			S	ub-Total	\$82,000.00

NO.	UNIT	ITEM DESCRIPTION	UNIT COST	QTY ES	ST. COST
Landscap	е				
41	CY	Exposed Aggregate 2	\$400.00	110	\$44,000.00
48	SF	Landscape Area Type 1	\$15.00	1,200	\$18,000.00
51	SY	Loam Mix 12"	\$134.00	140	\$18,760.00
53	SF	Sod	\$5.00	1,440	\$7,200.00
				Sub-Total	\$88,000.00
Monume	nts				
59	EA	Remove, Relocate, & Reset Flag Pole Gran. Base	\$5,000.00	1_	\$5,000.00
				Sub-Total	\$5,000.00
Site Amer					
63	EA	New Tree	\$950.00		\$2,850.00
64	EA	New Flag Pole	\$12,000.00		\$12,000.00
65	EA	New Bollard	\$3,000.00		\$105,000.00
68	EA	Granite Wall w/ Sign	\$20,000.00	1	\$20,000.00
69	EA	Bicycle Rack	\$800.00		\$6,400.00
70	EA	Bus Shelter	\$40,000.00	2	\$80,000.00
71	EA	Tree Wells	\$4,000.00	3	\$12,000.00
				Sub-Total	\$239,000.00
Electrical					
72	LS	Lighting	\$40,000.00	1_	\$40,000.00
				Sub-Total	\$40,000.00
Miscellan					
73	LS	Traffic Signal System (Ornamental)	\$250,000.00		\$250,000.00
74	LS	Maintenance and Protection of Traffic	\$60,000.00		\$60,000.00
75	LS	Environmental Health and Safety	\$5,000.00		\$5,000.00
76	LS	Construction Staking	\$25,000.00		\$25,000.00
77	LS	Mobilization	\$50,000.00		\$50,000.00
78	LS	Contaminated Soil	\$150,000.00	1	\$150,000.00
	Allow	Traffic Police	\$140,000.00	1	\$140,000.00
				Sub-Total	\$680,000.00
				Sub-Total	\$1,516,000.00
				25% Contin	\$379,000.00
				TOTAL	\$2,000,000.00

Final Phase - Cost Estimate

NO.	UNIT	ITEM DESCRIPTION	UNIT COST	QTY ES	г. cosт
Site Prep	aration 8	& Demolition			
1	CY	Unclassified Excavation	\$50.00	1,600	\$80,000.00
2	LF	Remove & Dispose Conc. Steps	\$10.00	300	\$3,000.00
4	EA	Tree Removal 4"-14" Dia.	\$525.00	21	\$11,025.00
5	EA	Tree Removal 14"-21" Dia.	\$1,050.00	2	\$2,100.00
6	EA	Tree Removal 21"+ Dia.	\$3,300.00	2	\$6,600.00
12	LS	Clearing & Grubbing	\$10,000.00	1_	\$10,000.00
				Sub-Total	\$113,000.00
Utility W	ork				
22	EA	Remove & Dispose Area Drain	\$250.00	3	\$750.00
23	EA	Adjust Catch Basin	\$350.00	3	\$1,050.00
24	EA	Adjust Water Gate	\$200.00	1	\$200.00
25	EA	Adjust Gas Gate	\$650.00	2	\$1,300.00
26	EA	Adjust Telephone Manhole	\$700.00	2	\$1,400.00
27	EA	Adjust Electric Manhole	\$700.00	4	\$2,800.00
28	EA	Adjust Miscellaneous Manhole	\$700.00	5	\$3,500.00
33	LF	Remove & Dispose Drain Pipe	\$15.00	750	\$11,250.00
34	EA	Catch Basin	\$3,700.00	2	\$7,400.00
35	LF	6" P.V.C. Pipe	\$58.00	450	\$26,100.00
36	LF	12" P.V.C. Pipe	\$95.00	300	\$28,500.00
37	EA	Frame & Grate	\$500.00	2	\$1,000.00
38	LS	Utility Upgrade	\$250,000.00	1_	\$250,000.00
				Sub-Total	\$336,000.00
Landscap					
39	CY	Gravel Borrow	\$35.00	480	\$16,800.00
40	CY	Exposed Aggregate 1	\$400.00	240	\$96,000.00
41	CY	Exposed Aggregate 2	\$400.00	110	\$44,000.00
42	SF	Concrete Paver	\$25.00	3,060	\$76,500.00
43	SY	Cement Concrete Walk	\$50.00	590	\$29,500.00
44	LF	Granite Edging	\$75.00	350	\$26,250.00
45	LF	Granite Curb	\$75.00	700	\$52,500.00
46	LF	Granite Step	\$125.00	425	\$53,125.00
48	SF	Landscape Area Type 1	\$15.00	8,000	\$120,000.00
49	SF	Landscape Area Type 2	\$20.00	4,375	\$87,500.00
50	SF	Landscape Area Type 3	\$35.00	1,650	\$57,750.00
51	SY	Loam Mix 12"	\$135.00	380	\$51,300.00
52	SY	Loam Mix 6"	\$70.00	670	\$46,900.00
53	SF	Sod	\$5.00	11,238	\$56,190.00
54	LS	Irrigation	\$30,000.00	1_	\$30,000.00
				Sub-Total	\$845,000.00

NO.	UNIT	ITEM DESCRIPTION	UNIT COST	QTY EST. COST		
Monuments						
60	EA	Remove & Stockpile HW Statue	\$5,000.00	1_	\$5,000.00	
				Sub-Total	\$5,000.00	
Site Amer	nities					
62	EA	New Bench	\$3,500.00	6	\$21,000.00	
63	EA	New Tree	\$950.00	26	\$24,700.00	
67	LF	Terrace Railing	\$125.00	300_	\$37,500.00	
				Sub-Total	\$84,000.00	
Electrical						
72	LS	Lighting	\$260,000.00	1_	\$260,000.00	
				Sub-Total	\$260,000.00	
Miscellan	eous					
74	LS	Maintenance and Protection of Traffic	\$25,000.00	1	\$25,000.00	
75	LS	Environmental Health and Safety	\$20,000.00	1	\$20,000.00	
76	LS	Construction Staking	\$20,000.00	1	\$20,000.00	
77	LS	Mobilization	\$25,000.00	1	\$25,000.00	
78	LS	Contaminated Soil	\$85,000.00	1	\$85,000.00	
	Allow	Traffic Police	\$20,000.00	1_	\$20,000.00	
				Sub-Total	\$195,000.00	
				Sub-Total	\$1,838,000.00	
			25% C	Contingency	\$459,500.00	

TOTAL \$2,300,000.00

