



Project Chene-Trombly Park Master Plan
Client City of Grosse Pointe Woods
Date 10/11/2021
Job # 2021.027
By JPM
Checked JAV

Issued for: Pricing Package - Opinion of Probable Cost (Conceptual)

NOTE: THIS IS A CONCEPTUAL ESTIMATE - NOT A BID QUOTATION

#	Item	Unit	Qty	Rate	Estimate
	Permits & Fees [BY CITY]	PER	1	2%	\$0.00
	Insurances [BY CITY]	PER	1	1.25%	\$0.00
	Utility Fees & Assessment	By Utility			
Subtotal					\$0.00

Alternates
(None)

Exclusions: Underground Utilites, Irrigation, Security Systems) **NOT INCLUDED** in pricing

<u>01 00 00</u>	<u>General Conditions</u>	Unit	Qty	Rate	Estimate
	General Conditions:				
	-- Taxes, Blueprints, Safety, Etc.	LS	1	2000	\$2,000.00
	Field Staff + Supervision	HR	100	70	\$7,000.00
Subtotal					\$9,000.00

<u>01 33 0.1</u>	<u>Surveying</u>	Unit	Qty	Rate	Estimate
	Kem-Tec Boundary/Topo Survey	LS	1	3,800	\$3,800.00
	AEW Civil Engineering Survey Allowance	LS	1	4,800	\$4,800.00
Subtotal					\$8,600.00

<u>02 00 00</u>	<u>Site Construction</u>	Unit	Qty	Rate	Estimate
	Testing	TBD			TBD
	Demolition:				
02 22 5.2	-- Remove existing Fence	LF	530	2.23	\$1,181.90
02 23 0.5	-- Tree + Stump removal (allowance)	LS			\$1,500.00

02 00 00	Site Construction (Continued)	Unit	Qty	Rate	Estimate
02 31 5.6	Trenching - Medium Soil -- By Hydraulic Excavator	LS	1		\$2,500.00
02 82 0.1	Chain Link Fence - 9ga, Galv. Posts 10' oc - 3' high	LF	350	10	\$3,500.00
02 91 0.1	Topsoil Spread Topsoil, with equipment (avg)	LS			\$2,500.00
	Reseed disturbed areas (allowance)	SF	5000	0.28	\$1,400.00
02 93 0.3	Screening Plants - Allowance	LS			\$2,000.00
02 93 0.6	Trees - Allowance	EA	7	300	\$2,100.00
02 94 5.0	Landscaping accessories Wood Chip Mulch - 2" thick	CY LS		70.5	\$3,000.00
Subtotal					\$19,681.90

03 00 00	Concrete	Unit	Qty	Rate	Estimate
03 21 0.35	Footing Reinforcing #5-#6 Straight Dowels, 24" long 1/2" dia.	TON EA	0.3 20	2130 6.87	\$532.50 \$137.40
03 25 0.4	Concrete Accessories Expansion Joint, premolded (1/2" x 6") Gravel porous fill, under slabs (3/4" stone)	LF CY	350 17	5.91 96	\$2,068.50 \$1,671.11
03 38 0.35	Footing Concrete - Spread footing - 2500# or 3000# concrete by chute	CY	22	145	\$3,190.00
03 38 0.55	Slab / Mat Concrete - slab on grade - 2500# or 3000# concrete by chute	CY	12	141.25	\$1,695.00
03 38 0.58	Sidewalks Walks, cast in place with wire mesh -- 4" thick & 4" sand base	SF	5289	8.36	\$44,216.04

Reference:

Concrete: Pavilion Footing	CY	24	(Incl. above)
Concrete: Entry Gate + Masonry Pier Footing	CY	120	
Concrete: Toilet Room Footing	CY	266	
Concrete: Hardscape Picnic	CY	240	
Concrete: Pavilion Conc. Slab	SF	700	
Concrete: Toilet Room Conc. Slab	SF	240	
Subtotal			\$53,510.55

04 00 00	Masonry	Unit	Qty	Rate	Estimate
04 10 0.1	Masonry Grout (allowance)	CF	200	6.72	\$1,344.00
04 21 0.1	Brick Masonry - Standard Face brick, red (6.4/sf) - Veneer	SF	500	14.72	\$7,360.00
04 21 0.6	Pavers, Masonry - Brick walk on sand, sand joints - laid flat	SF	1014	10.21	\$10,352.94
04 22 0.1	Concrete Masonry Units - Back up block 8" x 16"	LS			\$1,500.00

<u>04 00 00</u>	<u>Masonry (Continued)</u>	<u>Unit</u>	<u>Qty</u>	<u>Rate</u>	<u>Estimate</u>
	Masonry Entryway				Included above
	Masonry Piers				Included above
	Masonry Planters				Included above
					Subtotal \$20,556.94

<u>05 00 00</u>	<u>Steel</u>	<u>Unit</u>	<u>Qty</u>	<u>Rate</u>	<u>Estimate</u>
	N/A		0	0	\$0.00
					Subtotal \$0.00

<u>08 00 00</u>	<u>Openings</u>	<u>Unit</u>	<u>Qty</u>	<u>Rate</u>	<u>Estimate</u>
	N/A		0	0	\$0.00
					Subtotal \$0.00

<u>10 00 00</u>	<u>Specialties</u>	<u>Unit</u>	<u>Qty</u>	<u>Rate</u>	<u>Estimate</u>
	Pre-fabricated Pavilion - Kit	SF	700	55	\$38,500.00
	<i>Pre-fabricated Toilet Structure</i>				
	<i>Porta-King Final Total Net Price 08/13/21:</i>	LS	1		\$64,488.63
	Storage Shed Modification				(Incl. above)
					Subtotal \$102,988.63

<u>11 00 00</u>	<u>Equipment</u>	<u>Unit</u>	<u>Qty</u>	<u>Rate</u>	<u>Estimate</u>
	Furniture: Pavilion Picnic Table	EA	6		BY CITY
	Furniture: Picnic Tables	EA	7 or 8		BY CITY
	Furniture: Walking Path & Park Benches	EA	3	763.85	\$2,291.55
					Subtotal \$2,291.55

<u>13 00 00</u>	<u>Special Equipment</u>	<u>Unit</u>	<u>Qty</u>	<u>Rate</u>	<u>Estimate</u>
	Bike Rack	EA	1	167.85	\$167.85
	Playground Equipment: New Swing	LS	1	9000	\$9,000.00
	Playground Equipment: Tot Lot Playscape	LS	1	15000	\$15,000.00
	Playground Equipment: See-saw	LS	1	5000	\$5,000.00
	Playground Equipment: Sand Pit	LS	1	2000	\$2,000.00
	Playground Equipment: Sand Excavator	LS	1	1200	\$1,200.00
	Playground Equipment: Sand Fossil Exhibit	LS	2	1500	\$3,000.00
					Subtotal \$35,367.85

<u>22 00 00</u>	<u>Plumbing</u>	<u>Unit</u>	<u>Qty</u>	<u>Rate</u>	<u>Estimate</u>
	Hose Bibb: Storage Shed	EA	1		(Incl. Above)
	Water Closet hookup	EA	2		
	Lavatory Hookup	EA	2		
	Drinking fountain + Bottle Refill	EA	1		
	Bi-Level Pedestal fountain with Pet Station	EA	1	5510	\$5,510.00
					Subtotal \$5,510.00

<u>26 00 00</u>	<u>Electrical</u>	Unit	Qty	Rate	Estimate
	Lighth Fixture: Security Light	EA	5	1612	\$8,060.00
	Light Fixture: Entry Gate Up Light	EA	2	2648	\$5,296.00
	Electrical Installation + Conduit				(Incl. Above)
					Subtotal \$13,356.00
<u>28 00 00</u>	<u>Electronic Safety/Security</u>	Unit	Qty	Rate	Estimate
	[NOT INCLUDED IN SCOPE]				
					Subtotal \$0.00
<u>31 00 00</u>	<u>Sitework</u>	Unit	Qty	Rate	Estimate
	Site Demolition & Hardscape Prep	LS			\$2,500
	Site Demolition & Toilet Prep	LS			\$5,000
					Subtotal \$7,500.00
<u>32 00 00</u>	<u>Exterior Improvements</u>	Unit	Qty	Rate	Estimate
	Boulder Feature + Historical Plaque	LS	1	2000	\$2,000.00
	Paving - Signage - Allowance	EA	5	200	\$1,000.00
	Fences & Gates - Decorative Entry	LS	1		\$10,000.00
	Swing Gate + Hardware				Incl. above
	Decorative Metal Archway				Incl. above
	Fences & Gates - Wrought Iron	LF	122	20	\$2,430.00
	Fences & Gates - Ridgemont Rd (30")				Incl. above
	Fences & Gates - Tot Lot	LF	110	20	\$2,200.00
	Irrigation [NOT INCLUDED IN SCOPE]	SF	0	3.5	\$0.00
	Landscaping: Toilet Facility Screening				Incl. above
	Landscaping: New Shade Trees				Incl. above
	Landscaping: New Plant Bed				Incl. above
	Play Surface: Woodchip Swing base				BY CITY
	Play Surface: Tot-lot Safety Mat	SF	1200	14	\$16,800.00
					Subtotal \$34,430.00
<u>33 00 00</u>	<u>Underground utilities</u>	Unit	Qty	Rate	Estimate
	Sanitary		TBD		BY CITY
	Water		TBD		BY CITY
	Electrical Utility (Allowance)	LS	1		\$5,000
					Subtotal \$5,000.00

Subtotal Estimated Cost					\$317,793.42
Metro Area Multiplier (Detroit, MI)			1	120	\$381,352.11
Inflation (3 years) **compounded	PER	3**		5%	\$441,462.73
Contingency (reccomended)	PER	1		10%	\$44,146.27
Contractor Fee (Overhead & Profit)	PER	1		5%	\$22,073.14

Total Estimated Cost (adjusted) \$507,682.14

Prices may vary due to COVID-19

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