

## City of Hudson Engineering Department

Cost Estimate for:

**Middleton Park Inclusive Park Project Option B**

October, 2023

REF. NO.	ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
<b>General</b>						
1	201	Clearing, Grubbing and Pruning	1	LS	\$10,000.00	\$10,000.00
2	614	Maintenance of Traffic	1	LS	\$10,000.00	\$10,000.00
3	623	Construction Layout Staking	1	LS	\$10,000.00	\$10,000.00
4	624	Mobilization	1	LS	\$20,000.00	\$20,000.00
8	832	Sedimentation and Erosion Controls	1	LS	\$5,000.00	\$5,000.00
9	SPCL	Preconstruction Video	1	LS	\$3,000.00	\$3,000.00
10	SPCL	Record Drawings and As Built Surveys	1	LS	\$2,500.00	\$2,500.00
<b>Total for General Section</b>						<b>\$60,500.00</b>
<b>Site Preparation / Demolition</b>						
11		Laydown/Staging Area	1	LS	\$10,000.00	\$10,000.00
12		Gravel Parking Lot Removed	1500	SY	\$5.00	\$7,500.00
13		Gravel Driveway Removed	40	SY	\$5.00	\$200.00
14		Gravel Walkways Removed	900	SY	\$5.00	\$4,500.00
15		Basketball Asphalt Pad/Hoop Removed	100	SY	\$5.00	\$500.00
16		Construction Fence (6' Chain Link) with Gate	2500	LF	\$15.00	\$37,500.00
<b>Total for Site Preparation / Demolition</b>						<b>\$60,200.00</b>
<b>Earthwork</b>						
17		Topsoil Stripped, Stockpiled and Respread	13000	SY	\$3.00	\$39,000.00
18		Excavation (Cut) - Assumes soil stockpile is available on-site	5000	CY	\$12.00	\$60,000.00
19		Excavation (Fill) - Assumes soil stockpile is available on-site	5000	CY	\$12.00	\$60,000.00
<b>Total for Earthwork</b>						<b>\$159,000.00</b>
<b>Pavement</b>						
21	611	Subgrade Preparation (All Pavement)	3000	SY	\$2.00	\$6,000.00
22		ODOT 304 - Limestone Aggregate Base - 6" Thick	500	CY	\$70.00	\$35,000.00
23		Asphalt Type 1 Surface (Medium) PG 64-22(448) (1.5" Thick)	130	CY	\$200.00	\$26,000.00
24		Asphalt Type 1 Intermediate (Medium), PG 64-22 (2" Thick)	170	CY	\$210.00	\$35,700.00
25		Commercial Driveway Apron with QC MS Concrete (8" thick)	90	SY	\$100.00	\$9,000.00
26		Concrete Vertical Curb, Type 6, Including 3" of 304 Limestone, Complete	300	LF	\$55.00	\$16,500.00
27		7' Wide, 4" MS concrete sidewalk, Including 3" of 304 base, Complete	7400	SF	\$9.00	\$66,600.00
28		Parking Lot Pavement Marking Paint	1000	LF	\$3.50	\$3,500.00
29		Parking Lot Transverse Pavement Marking Paint	550	LF	\$3.50	\$1,925.00
30		ADA Pavement Symbol Marking	10	EA	\$150.00	\$1,500.00
31		ADA Signage	10	EA	\$700.00	\$7,000.00
<b>Total for Pavement</b>						<b>\$208,725.00</b>
<b>Miscellaneous</b>						
32		Bathroom Facility	1	LS	\$150,000.00	\$150,000.00
33		2" Water Service, Complete	400	LF	\$50.00	\$20,000.00
34		6" Sanitary Lateral, Complete	400	LF	\$50.00	\$20,000.00
35		Sanitary Manhole (48" Diameter)	1	EA	\$5,000.00	\$5,000.00

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36		Utilities-Storm, Infrastructure, Bio-Swale	1	LS	\$125,000.00	\$125,000.00
37		Utilities-Electric, Including and Conduits	1	LS	\$70,000.00	\$70,000.00
<b>Total for Miscellaneous</b>						<b>\$390,000.00</b>
<b>Landscaping</b>						
38		Fine Grading, Seed and Straw	13000	SY	\$2.50	\$32,500.00
39		Misc. Landscaping	1	LS	\$20,000.00	\$20,000.00
<b>Total for Miscellaneous</b>						<b>\$52,500.00</b>
<b>Total Construction for All Sections</b>						<b>\$930,925.00</b>
20% Contingency						\$186,185.00
5% Inflation (2024) Contingency						\$46,546.25
<b>GRAND CONSTRUCTION TOTAL</b>						<b>\$1,163,656.25</b>
<b>Notes:</b>						
1. This estimate does not include costs for the playground equipment or any work associated with building the playground (i.e.. Fencing, pavement, trails within playground area, pavilion, and or baseball fields etc.).						
2. This is estimate is for budget purposes only.						
3. Inflation has assumed construction takes place in 2024.						
<b>Design Section</b>						
1	SPCL	Site Survey and Design (15% of Construction)	1	LS		\$139,638.75
2	SPCL	Geotechnical Engineering (2%)	1	LS		\$18,618.50
3	SPCL	Wetland Delineation (2%)	1	LS		\$18,618.50
4	SPCL	Bonds and Insurance (1.5%)	1	LS		\$698.19
5	SPCL	Boundary Survey, Legals and Recording	1	LS	\$20,000.00	\$20,000.00
<b>Total Cost for Design Section</b>						<b>\$197,573.94</b>
10% Design Contingency						\$19,757.39
<b>GRAND DESIGN TOTAL</b>						<b>\$217,331.34</b>
<b>GRAND TOTAL</b>						<b>\$1,380,987.59</b>