

July 17, 2023

Rebecca Runkle, PE
Engineering
City of Novi
26300 Lee BeGole Drive
Novi, Michigan 48375

**Re: Wildlife Woods Addition
Proposal for Design Engineering Services
Job No. PR23-411**

Dear Rebecca Runkle:

Spalding DeDecker (SD) is pleased to provide the following proposal for engineering design services to expand the parking lot, install stairs, and construct additional pickleball courts at Wildlife Woods Park.

Project Understanding

The park use at Wildlife Woods has increased greatly since the installation of the pickleball courts and outdoor exercise equipment. Parking and court use has been in increased demand. The City desires to expand the parking area, install stairs to provide another pedestrian route to the pavilion and pickleball court areas, and construct additional pickleball courts.

For budget considerations, SDA offers two options of proposed improvements:

- Option 1: Expansion of Parking Lot and Construction of Stairs
 - This will include the parking expansion with sidewalk adjacent to the parking lot leading to the sidewalk connector stairs.
- Option 2: Expansion of Parking Lot, Construction of Stairs, and Additional Pickleball Courts.
 - This will include the same as Option 1, with the addition of Pickleball Courts and additional sidewalk north of the courts.

Proposed Scope of Services

Our scope of services will include the following:

- Meet with City staff to finalize detailed scope of the project.
- Prepare a topographic survey of the area.
- Prepare preliminary plans for review.

- Prepare engineering drawings and specifications for permitting, bidding and construction. The plan sets will include at a minimum:
 - Cover Sheet
 - Notes and Details
 - Topographic Survey/Demo Plan
 - Site Plan
 - Site Grading Plan/Stormwater Control
 - City Standard Details, as needed
- Assist with the bidding process
 - Publish bid documents to electronic plan rooms
 - Prepare bid tabulation
 - Make Recommendation for Award

Proposed Fees

Based on our pre-qualification status with the City, engineering design fees are typically based on a pre-determined percentage of the pre-design construction cost estimate. Preliminary cost estimates for the project options have been generated with estimated costs of Option 1 \$177,805.33 and Option 2 \$388,446.83. Based on these estimated costs, the fees for this project are:

- Option 1 (Expansion of Parking Lot, and Construction of Stairs) Design Phase Services
(10.00% of estimated cost)

\$17,781.00
- Option 2 (Expansion of Parking Lot, Construction of Stairs, and Additional Pickleball Courts)
Design Phase Services
(9.25% of estimated cost)

\$35,932.00

The above fees do not include construction engineering or inspection. These fees will be determined upon recommendation for award.

Project Schedule

The following summarizes the anticipated schedule for the project:

<u>Milestone</u>	<u>Completed By</u>
Council Award	7/31/2023
Topographic Survey	8/29/2023
30% Plans	9/15/2023
90% Plans and Specifications	10/13/2023
100% Bid Package and Advertising	1/10/2024
Bid Opening	1/31/2024
Construction Contract Award by Council	2/12/2024
Construction Start, estimated	4/29/2024
Construction Complete, estimated	6/7/2024

Thank you for the opportunity to provide this proposal for Engineering Services. Please do not hesitate to contact me if you have any questions or comments regarding this submittal.

SPALDING DEDECKER ASSOCIATES, INC.



Taylor E Reynolds, PE
Project Manager

OPINION OF PROBABLE CONSTRUCTION COST

PROJECT NAME: Wildlife Woods Expansion - Pickleball Courts, Stairs, Parking Lot
CLIENT NAME: City of Novi
PREPARED BY: AC/TER

PROJECT NO: NV21003
DATE: 07/17/23

NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
Sidewalk Stairs Connector					
1	Bonds, Insurance and Mobilization (10% Max)	1	LS	\$ 2,100.00	\$ 2,100.00
2	Pre-Construction Audio-Visual	1	LS	\$ 1,050.00	\$ 1,050.00
3	Soil Erosion Control Measures	1	LS	\$ 1,050.00	\$ 1,050.00
4	Sidewalk, Conc, 4 inch	175	Sft	\$ 7.60	\$ 1,330.00
5	Concrete Stairs	1	EA	\$ 12,600.00	\$ 12,600.00
6	Restoration	1	LS	\$ 3,100.00	\$ 3,100.00
Subtotal Sidewalk Stairs Connector:					\$ 21,230.00
Parking Lot Expansion					
7	Bonds, Insurance and Mobilization (10% Max)	1	LS	\$ 15,600.00	\$ 15,600.00
8	Pre-Construction Audio-Visual	1	LS	\$ 3,150.00	\$ 3,150.00
9	Soil Erosion Control Measures	1	LS	\$ 3,150.00	\$ 3,150.00
10	Sidewalk, Rem	33	Syd	\$ 3.70	\$ 123.33
11	Subbase, CIP	22	Cyd	\$ 11.00	\$ 242.00
12	Subgrade Undercut, As Needed	30	CY	\$ 47.00	\$ 1,410.00
13	Underdrain, 6-inch w/Geowrap	500	LF	\$ 29.00	\$ 14,500.00
14	Agg Base, 4-inch, Limestone	1,787	SY	\$ 15.00	\$ 26,800.00
15	HMA	395	TON	\$ 200.00	\$ 79,000.00
16	Pavement Marking	1	LS	\$ 6,300.00	\$ 6,300.00
17	Restoration	1	LS	\$ 6,300.00	\$ 6,300.00
Subtotal Parking Lot Expansion:					\$ 156,575.33
Estimated Construction Cost Subtotal					\$ 177,805.33
ENGINEERING FEES (10%):					\$ 17,781.00
ROW ACQUISITION (\$2700/PERMANENT EASEMENT):					\$ -
GEOTECHNICAL (2.5%):					\$ 4,446.00
DESIGN CONTINGENCY (20%):					\$ 4,446.00
CONSTRUCTION ADMINISTRATION (8%):					\$ 14,225.00
Crew Days: 25 DAYS @ \$ 800.00					\$ 20,000.00
CONSTRUCTION MATERIAL TESTING (2.5%):					\$ 4,446.00
CONSTRUCTION CONTINGENCY (15%):					\$ 32,472.00
OPINION OF PROBABLE CONSTRUCTION COST					Total Estimated Construction Cost: \$ 275,621.33

In providing opinions of probable construction cost, the Client understands that the Consultant has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the Consultant's opinions of probable construction costs are made on the basis of the Consultant's professional judgement and experience. The Consultant makes no warranty, express or implied, that the bids or the negotiated cost of the Work will not vary from the Consultant's opinion of probable construction cost.

OPINION OF PROBABLE CONSTRUCTION COST

PROJECT NAME: Wildlife Woods Expansion - Pickleball Courts, Stairs, Parking Lot
CLIENT NAME: City of Novi
PREPARED BY: AC/TER

PROJECT NO: NV21003
DATE: 07/17/23

NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
Pickleball Court Expansion					
1	Bonds, Insurance and Mobilization (10% Max)	1	LS	\$ 20,800.00	\$ 20,800.00
2	Pre-Construction Audio-Visual	1	LS	\$ 1,600.00	\$ 1,600.00
3	Soil Erosion Control Measures	1	LS	\$ 3,700.00	\$ 3,700.00
4	Tree Protection	50	LF	\$ 4.75	\$ 237.50
5	Excavation, Earth	300	CY	\$ 34.00	\$ 10,200.00
6	Subgrade Undercut, As Needed	30	CY	\$ 47.00	\$ 1,410.00
7	Underdrain, 3-inch w/Geowrap	417	LF	\$ 27.00	\$ 11,259.00
8	Underdrain, 6-inch w/Geowrap	115	LF	\$ 29.00	\$ 3,335.00
9	Agg Base, 4-inch, Limestone	916	SY	\$ 15.00	\$ 13,740.00
10	Agg Base, 8-inch, Limestone	380	SY	\$ 19.00	\$ 7,220.00
11	Reinforced Court Pavement	7,200	SF	\$ 13.00	\$ 93,600.00
12	Acrylic Resurfacer, As Needed	50	GAL	\$ 68.00	\$ 3,400.00
13	Liquid Acrylic Surface	7,200	SF	\$ 1.90	\$ 13,680.00
14	Court Line Paint	800	LF	\$ 3.10	\$ 2,480.00
15	Pickleball Net, Complete	4	EA	\$ 3,750.00	\$ 15,000.00
16	8-Foot Chain Link Fence	300	LF	\$ 11.00	\$ 3,300.00
17	Chain Link Gates	4	EA	\$ 370.00	\$ 1,480.00
18	Restoration	1	LS	\$ 4,200.00	\$ 4,200.00
Subtotal Pickleball Court Expansion:					\$ 210,641.50
Sidewalk Stairs Connector					
19	Bonds, Insurance and Mobilization (10% Max)	1	LS	\$ 2,100.00	\$ 2,100.00
20	Pre-Construction Audio-Visual	1	LS	\$ 1,050.00	\$ 1,050.00
21	Soil Erosion Control Measures	1	LS	\$ 1,050.00	\$ 1,050.00
22	Sidewalk, Conc, 4 inch	175	Sft	\$ 7.60	\$ 1,330.00
23	Concrete Stairs	1	EA	\$ 12,600.00	\$ 12,600.00
24	Restoration	1	LS	\$ 3,100.00	\$ 3,100.00
Subtotal Sidewalk Stairs Connector:					\$ 21,230.00
Parking Lot Expansion					
25	Bonds, Insurance and Mobilization (10% Max)	1	LS	\$ 15,600.00	\$ 15,600.00
26	Pre-Construction Audio-Visual	1	LS	\$ 3,150.00	\$ 3,150.00
27	Soil Erosion Control Measures	1	LS	\$ 3,150.00	\$ 3,150.00
28	Sidewalk, Rem	33	Syd	\$ 3.70	\$ 123.33
29	Subbase, CIP	22	Cyd	\$ 11.00	\$ 242.00
30	Subgrade Undercut, As Needed	30	CY	\$ 47.00	\$ 1,410.00
31	Underdrain, 6-inch w/Geowrap	500	LF	\$ 29.00	\$ 14,500.00
32	Agg Base, 4-inch, Limestone	1,787	SY	\$ 15.00	\$ 26,800.00
33	HMA	395	TON	\$ 200.00	\$ 79,000.00
34	Pavement Marking	1	LS	\$ 6,300.00	\$ 6,300.00
35	Restoration	1	LS	\$ 6,300.00	\$ 6,300.00
Subtotal Parking Lot Expansion:					\$ 156,575.33
Estimated Construction Cost Subtotal					\$ 388,446.83

ENGINEERING FEES (9.25%):	\$	35,932.00
ROW ACQUISITION (\$2700/PERMANENT EASEMENT):	\$	-
GEOTECHNICAL (2.5%):	\$	9,712.00
DESIGN CONTINGENCY (20%):	\$	9,129.00
CONSTRUCTION ADMINISTRATION (7.5%):	\$	29,134.00
Crew Days: 40 DAYS @ \$ 800.00	\$	32,000.00
CONSTRUCTION MATERIAL TESTING (2.5%):	\$	9,712.00
CONSTRUCTION CONTINGENCY (15%):	\$	68,894.00

OPINION OF PROBABLE CONSTRUCTION COST	Total Estimated Construction Cost:	\$ 582,959.83
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