

CITY of NOVI CITY COUNCIL
Agenda Item 2
May 20, 2019

SUBJECT: Approval to award a construction contract for the Lakeshore Park renovation project to DeMaria Building Company, Inc., the lowest qualified bidder with the most advantageous bid for the City, in the amount of \$4,820,400 and amend the budget for a total project cost of \$5,866,242 with the final form of the agreement to be reviewed and approved by the City Manager and City Attorney.

SUBMITTING DEPARTMENT: Integrated Solutions – Facilities Management
Parks, Recreation, and Cultural Services

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$ 5,866,242
AMOUNT BUDGETED	\$ 4,615,486
APPROPRIATION REQUIRED	\$ 1,250,756
LINE ITEM NUMBER	400-691.00-977.013

BACKGROUND INFORMATION:

The Capital Improvement Millage, supported by the public via a general election in 2016, outlined a need for improvements to City facilities including Lakeshore Park. City staff gathered feedback from the community using several methods including two, well attended, Lakeshore Park forums. In June of 2018, the City Council approved a park design that included the construction of an approximately 6,200 square foot building to support a myriad of programs on the north side of the City. Following this approval staff continued to update the design to incorporate citizen feedback. Additionally, staff met onsite with neighboring residents and walked the east and west borders of the park to identify further screening in those areas.

The City received nine (9) bids in response to its advertisement on the Michigan Intergovernmental Trade Network (MITN). As with any construction project, it is important to evaluate the firms on their ability to successfully perform all aspects of the required work. Due to the uniqueness of the Lakeshore project, it is also important to consider some additional criteria:

- The level of customer service provided by the onsite construction supervisor is important in assuring that if an issue impacting the neighboring citizens comes to his or her attention that it is handled in a timely and professional manner.
- City of Novi staff interacts with numerous construction firms. Those past experiences, both positive and negative, were taken into consideration when evaluating a firm's ability to perform within the scope of this project.
- One of the major components of this project is the ability to mobilize and begin this project the first week of June and be substantially complete by December 1st in order to minimize the time that the park is closed during this project.

- The review team felt that it was important that the firm selected had a familiarity with Lakeshore Park and an understanding of what the citizens and the City of Novi were trying to achieve by this project.
- The ability of the selected firm to control costs and suggest additional ways in which the city could save money on this project. (Value Engineering, or VE)

The team interviewed the top four firms and conclude that DeMaria Building Company, Inc. was the most qualified to complete this project. They excelled in every area evaluated including the use of construction management software for project efficiency and accountability. Additionally, DeMaria brought forth several VE items for the City's consideration. The most potentially useful suggestion was an optional lighting solution that incorporated the ability to reduce the illumination of the park lights after 9 pm. These advanced lighting controls will provide additional flexibility to dim the park lighting canopy.

Knowing that the park lighting was a concern for citizens living near the park we have taken additional steps beyond the incorporation of an advanced lighting control system. We have added a seven (7) inch skirt option to each light. When you combine this with the low profile LED bulb you achieve a solution in which the bulb is contained within the skirting of the light fixture. This produces a smaller or tighter plume of light. The attached photometric plan demonstrates that this combination achieves a 0.0 measurement of light, in 98% of the data points, where the park borders the residential property. The remaining data points, bordering the residential property, are no higher than 0.1. The photometric plan does not take into consideration the additional screening (landscaping) that was incorporated into the plan. The team met with residents on both the east and west sides of the park to hear and address their screening concerns. The current plan incorporates screening solutions that resulted from those meetings. We believe that this multi-pronged approach will mitigate the lighting concerns.

While there were firms that submitted lower bids, DeMaria was qualified in every area and the team concluded upon full review that overall its bid is the most advantageous to the City.

Project Award Breakdown

\$4,820,400	Construction Award DeMaria Building Company, Inc.
\$1,045,842	Construction Contingency and Soft Costs
<hr/>	<hr/>
\$5,866,242	Total Project Scope

RECOMMENDED ACTION:

Approval to award a construction contract for the Lakeshore Park renovation project to DeMaria Building Company, Inc., the lowest qualified bidder with the most advantageous bid for the City, in the amount of \$4,820,400 and amend the budget for a total project cost of \$5,866,242 with the final form of the agreement to be reviewed and approved by the City Manager and City Attorney.

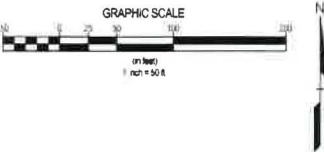
RESOLUTION

NOW, THEREFORE BE IT RESOLVED that the following Budget Amendment for the Lakeshore Park Renovation Project is authorized:

	INCREASE (DECREASE)
Capital Improvement Program (CIP) Fund	
APPROPRIATIONS	
Capital Outlay	1,250,756
TOTAL APPROPRIATIONS	<u>\$ 1,250,756</u>
Net Increase (Decrease) to Fund Balance	<u>\$ (1,250,756)</u>

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City of Novi at a regular meeting held on May 20, 2019

Cortney Hanson
City Clerk



3.18.2019



Lakeshore Park Building

NSA Project No. 216409.00

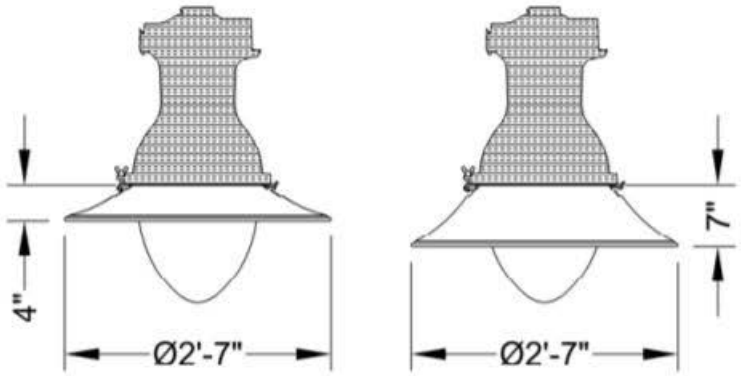
NSA Architects
Engineers
Planners



Mark Appropriate Box for Trim Option;
Use Existing Housing and Glass.

	Standard	Shallow Skirt	Deep Skirt
Teardrop Glass (Asymmetric)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bowl Glass (Asymmetric) (Symmetric)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sag Glass (Asymmetric) (Symmetric)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Skirt Dimensions
(For Teardrop, Bowl, and Sag glass)

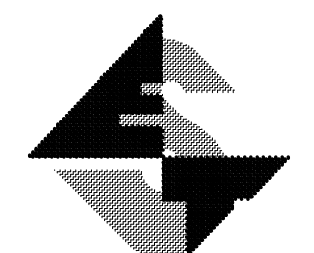


**Large Tear Drop
Retrofit LED 2**

**DECORATIVE
OUTDOOR**

HOLOPHANE®
LEADER IN LIGHTING SOLUTIONS
An Acuity Brands Company

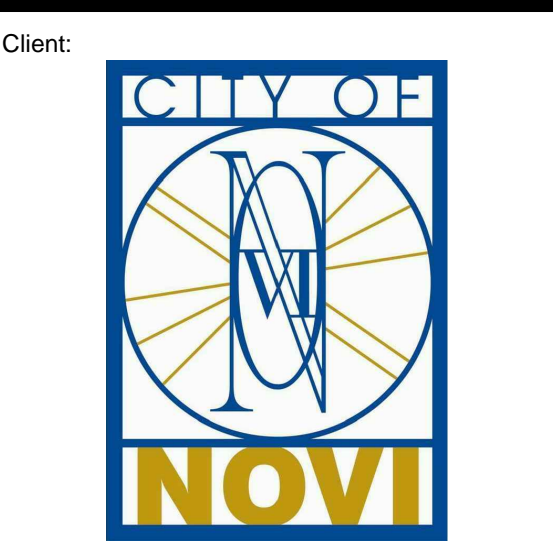
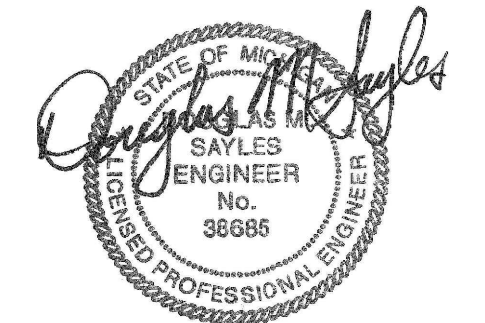
COMPLETE HOLOPHANE
REPLACEMENT AVAILABLE
IN ALL POLES
PRESS DIRECTLY IN



ETS ENGINEERING, INC.
ENERGY / TECHNOLOGY SOLUTIONS
418 1/2 S. WASHINGTON
P.O. Box 1116
ROYAL OAK, MI 48065-1116
OFF: 248/744-0360
FAX: 248/744-0367
WWW.ETSENGINEERING.NET



2376 Research Drive
Farmington Hills
Michigan 48335
248.477.2444
248.477.2445 fax
www.nsa-ae.com
Founded 1960



Client:
Lakeshore Park
601 South Lake Drive
Novi, MI 48377

Issued Date:
04-01-2019
04-10-2019
04-30-2019
05-15-2019
Issued for:
BIDS/PERMITS
ADDENDUM #1
PERMITS
FINAL SITE PLAN
APPROVAL

Drawn: KS, BW Designed: BW

Checked: DS Approved: RB

CAD Drawing File: File Name

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NSA Architects, Engineers, Planners

Project Number: 216409.00

Sheet Title:
**ELECTRICAL
PHOTOMETRIC
SITE PLAN**

Sheet Number: **PE-10**

Esplanade
UTILITY TEAR DROP LED 2

Maximum Effective Projected Area - 2.37 ft²
Maximum Weight - 89 lbs (Up Light Version)
Maximum Weight - 69 lbs (Down Light Version)

EXAMPLE: ESL2 P105 40K AS BK TG 3 S

ORDERING INFORMATION:	FINISH:	VOLTAGE:	COLOR:	HOOD AND GLASS:	TOP FINISH:
ESL2	40K	AS	BK	TG	3 S

Accessories: 1. ONLY AVAILABLE WITH "AS" VOLTAGE
2. ONLY AVAILABLE IN TYPE 3
3. FOR A/D DATA, REFER TO PAGE 7 OF INSTRUCTION SHEET ON WEBSITE (EN-306)

Esplanade
UTILITY TEAR DROP LED 2

Mark Appropriate Box for Trim Option

Standard, Shallow Skirt, Deep Skirt

Specifications

The Esplanade is available in a variety of finishes and colors to match your building's exterior. It is designed for use in a variety of applications, including walkways, stairs, and ramps. The Esplanade is a high-quality, durable, and energy-efficient lighting fixture.

TYPE SA AND SB

WSR LED
Architectural Wall Sconce

Specifications

Height: 7.5" (193 mm)
Width: 3.5" (89 mm)
Depth: 3.5" (89 mm)

Optional Back Box (BBW)

Height: 4" (102 mm)
Width: 5.5" (140 mm)
Depth: 1.5" (38 mm)

Ordering Information

Label	Part Number	Description	Quantity	Unit Price	Total Price
WSR1	10A700/40K SR4 MVOLT DDBXD	WSR LED 16C 700/40K SR4 MVOLT DDBXD	1	\$338.94	\$338.94

Emergency Battery Operation

The WSR LED sconce is designed to provide emergency lighting in the event of a power outage. It features a built-in battery pack that can be recharged and replaced as needed.

D-Series
LED Bollard

Specifications

Height: 36" (914 mm)
Width: 6" (152 mm)
Depth: 6" (152 mm)

Ordering Information

Label	Part Number	Description	Quantity	Unit Price	Total Price
DSB1	16C 700/40K SYM MVOLT DDBXD	DSB LED 16C 700/40K SYM MVOLT DDBXD	1	\$338.94	\$338.94

Accessories

The D-Series LED bollard is designed to provide a high level of safety and security. It features a built-in battery pack that can be recharged and replaced as needed.

TYPE M

CP4341 - CYLINDER LED
2" Dia. Mount

Specifications

Height: 4" (102 mm)
Width: 2" (51 mm)
Depth: 2" (51 mm)

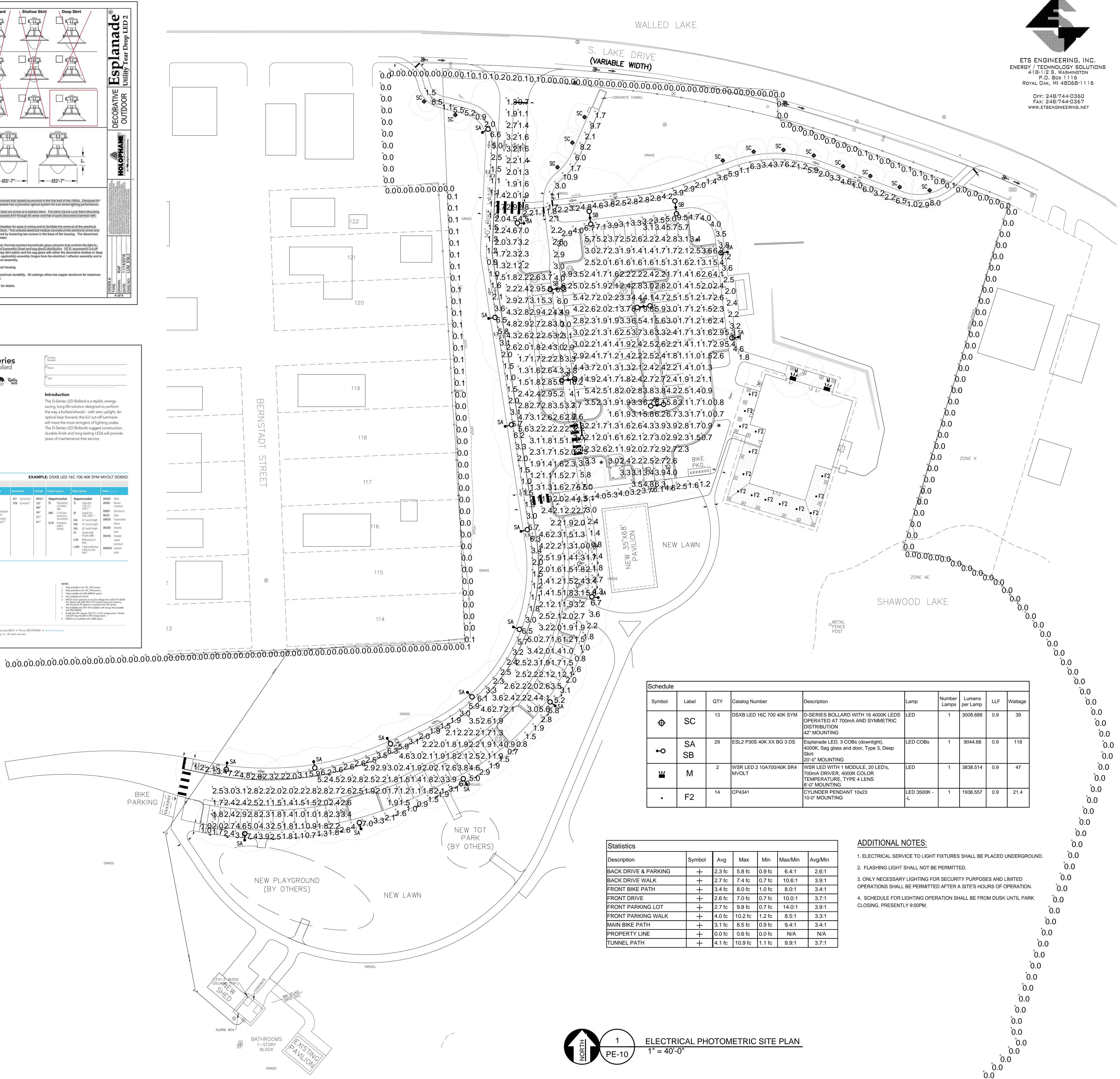
Ordering Information

Label	Part Number	Description	Quantity	Unit Price	Total Price
M	10A700/40K SR4 MVOLT DDBXD	M LED 10A700/40K SR4 MVOLT DDBXD	1	\$338.94	\$338.94

Ordering Information

Label	Part Number	Description	Quantity	Unit Price	Total Price
M	10A700/40K SR4 MVOLT DDBXD	M LED 10A700/40K SR4 MVOLT DDBXD	1	\$338.94	\$338.94

TYPE F2



Schedule

Symbol	Label	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage
SC	13	DSXB LED 16C 700/40K SYM	D-SERIES BOLLARD WITH 16 4000K LED OPERATED AT 700mA AND SYMMETRIC DISTRIBUTION 42" MOUNTING	LED	1	3008.688	0.9	39	
SA	29	ESL2 P105 40K AS BK TG 3 S	Esplanade LED, 3 COBs (downlight), 4000K, Sag glass and door, Type 3, Deep Skirt 20-0" MOUNTING	LED COBs	1	9044.68	0.9	118	
SB	2	WSR LED 2 10A700/40K SR4 MVOLT	WSR LED WITH 1 MODULE, 20 LED'S, 700mA DRIVER, 4000K COLOR TEMPERATURE, TYPE 4 LENS 60" MOUNTING	LED	1	3838.514	0.9	47	
M	14	CP4341	CYLINDER PENDANT 10x23 10-0" MOUNTING	LED 3500K-L	1	1936.557	0.9	21.4	

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
BACK DRIVE & PARKING	+	2.3 fc	5.8 fc	0.9 fc	6.4:1	2.6:1
BACK DRIVE WALK	+	2.7 fc	7.4 fc	0.7 fc	10.6:1	3.9:1
FRONT BIKE PATH	+	3.4 fc	8.0 fc	1.0 fc	8.0:1	3.4:1
FRONT DRIVE	+	2.6 fc	7.0 fc	0.7 fc	10.0:1	3.7:1
FRONT PARKING LOT	+	2.7 fc	9.8 fc	0.7 fc	14.0:1	3.9:1
FRONT PARKING WALK	+	4.0 fc	10.2 fc	1.2 fc	8.5:1	3.3:1
MAIN BIKE PATH	+	3.1 fc	8.5 fc	0.9 fc	9.4:1	3.4:1
PROPERTY LINE	+	0.0 fc	0.6 fc	0.0 fc	N/A	N/A
TUNNEL PATH	+	4.1 fc	10.9 fc	1.1 fc	9.9:1	3.7:1

- ADDITIONAL NOTES:**
- ELECTRICAL SERVICE TO LIGHT FIXTURES SHALL BE PLACED UNDERGROUND.
 - FLASHING LIGHT SHALL NOT BE PERMITTED.
 - ONLY NECESSARY LIGHTING FOR SECURITY PURPOSES AND LIMITED OPERATIONS SHALL BE PERMITTED AFTER A SITE'S HOURS OF OPERATION.
 - SCHEDULE FOR LIGHTING OPERATION SHALL BE FROM DUSK UNTIL PARK CLOSING, PRESENTLY 9:00PM.

CITY OF NOVI
Lakeshore Park
Bid Tab "As Read"
April 26, 2019 2:00 P.M.

This tabulation reflects submittal data by the following companies which have not been evaluated for accuracy of information. Final decision for award will be determined once the evaluation has been completed.

Company	Bid Bond	Addenda (3)	Base Bid
Cross Renovation	Y	Y	\$ 4,647,777.00
Axiom Construction	Y	Y	\$ 4,650,000.00
LaSalle Group	Y	Y	\$ 5,000,000.00
DeMaria, Inc.	Y	Y	\$ 5,034,900.00
NRC, LLC	Y	Y	\$ 5,047,000.00
Brix Corporation	Y	Y	\$ 5,280,000.00
DCC Construction	Y	Y	\$ 5,284,000.00
Bernco Inc.	Y	Y	\$ 5,300,000.00
Brenca Contractors	Y	Y	\$ 5,695,000.00

**DOCUMENT 004113 - BID FORM – STIPULATED SUM
(SINGLE-PRIME CONTRACT)**

1.1 BID INFORMATION

- A. Bidder: DeMaria, Inc.
- B. Project Name: Lakeshore Park.
- C. Project Location: 601 South Lake Drive, Novi, Michigan 48375.
- D. Owner: City of Novi.
- E. Architect: NSA Architects, Engineers, Planners.
- F. Architect Project Number: 216409.00.

1.2 CERTIFICATIONS AND BASE BID

- A. Base Bid, Single-Prime (All Trades) Contract: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by NSA Architects, Engineers, Planners and Architect's consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:
 - 1. Five million, thirty four thousand, ^{nine hundred} Dollars (\$ 5,034,900).
 - 2. The above amount may be modified by amounts indicated by the Bidder on the attached Document 004322 "Unit Prices Form" and Document 004323 "Alternates Form."

1.3 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 days after a written Notice of Award, if offered within 60 days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:
 - 1. Two Hundred Fifty Five Thousand Dollars (\$ 255,000.00).
- B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.4 SUBCONTRACTORS AND SUPPLIERS

A. The following companies shall execute subcontracts for the portions of the Work indicated:

To Be Submitted Upon Award

1. Concrete Work: _____.
2. Carpentry Work: _____.
3. Masonry Work: _____.
4. Roofing Work: _____.
5. Plumbing Work: _____.
6. HVAC Work: _____.
7. Electrical Work: _____.

1.5 TIME OF COMPLETION

A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Architect, and shall fully complete the Work within <Insert number> calendar days.

338 Days

1.6 ACKNOWLEDGEMENT OF ADDENDA

A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

1. Addendum No. 1, dated 4/10/19.
2. Addendum No. 2, dated 4/18/19.
3. Addendum No. 3, dated 4/25/19.
4. Addendum No. 4, dated _____.

1.7 BID SUPPLEMENTS

A. The following supplements are a part of this Bid Form and are attached hereto.

1. Bid Form Supplement - Alternates. - **Removed Per Addendum 3**
2. Bid Form Supplement - Unit Prices.
3. Bid Form Supplement - Allowances.
4. Bid Form Supplement - Bid Bond Form (AIA Document A310).

1.8 CONTRACTOR'S LICENSE

A. The undersigned further states that it is a duly licensed contractor, for the type of work proposed, in the State of Michigan, City of Novi, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.9 SUBMISSION OF BID

- A. Respectfully submitted this 26th day of April, 2019.
- B. Submitted By: DeMaria, Inc. (Name of bidding firm or corporation).
- C. Authorized Signature: Anthony DeMaria (Handwritten signature).
- D. Signed By: Anthony DeMaria (Type or print name).
- E. Title: President (Owner/Partner/President/Vice President).
- F. Witness By: Jennifer Michael (Handwritten signature).
- G. Attest: Anthony DeMaria (Handwritten signature).
- H. By: Anthony DeMaria (Type or print name).
- I. Title: Corporate Secretary (Corporate Secretary or Assistant Secretary).
- J. Street Address: 45500 Grand River Ave.
- K. City, State, Zip: Novi, MI 48374.
- L. Phone: (248) 348-8710.
- M. License No.: 2102017583.
- N. Federal ID No.: 381915034 (Affix Corporate Seal Here).

END OF DOCUMENT 004113



DOCUMENT 004322 - UNIT PRICES FORM

1.1 BID INFORMATION

- A. Bidder: DeMaria, Inc.
- B. Project Name: Lakeshore Park and Recreation Center.
- C. Project Location: 601 South Lake Drive, Novi, Michigan 48375.
- D. Owner: City of Novi.
- E. Architect: NSA Architects, Engineers, Planners.
- F. Architect Project Number: 216409.00.

1.2 BID FORM SUPPLEMENT

- A. This form is required to be attached to the Bid Form.
- B. The undersigned Bidder proposes the amounts below be added to or deducted from the Contract Sum on performance and measurement of the individual items of Work and for adjustment of the quantity given in the Unit-Price Allowance for the actual measurement of individual items of the Work.
- C. If the unit price does not affect the Work of this Contract, the Bidder shall indicate "NOT APPLICABLE."

1.3 UNIT PRICES

- A. Unit-Price No. 1: Removal of unsatisfactory soil and replacement with satisfactory soil material.
 - 1. _____ Dollars (\$ 20/CY) per unit.
- B. Fill out Site and Building Unit Price Excel Spreadsheets included with the Bid Documents and submit them with the Bids.

1.4 SUBMISSION OF BID SUPPLEMENT

- A. Respectfully submitted this 26th day of April, 2019.
- B. Submitted By: DeMaria, Inc. (Insert name of bidding firm or corporation).
- C. Authorized Signature: Anthony DeMaria (Handwritten signature).
- D. Signed By: Anthony DeMaria (Type or print name).
- E. Title: President (Owner/Partner/President/Vice President).

END OF DOCUMENT 004322

DOCUMENT 004321 - ALLOWANCE FORM

1.1 BID INFORMATION

- A. Bidder: DeMaria, Inc.
- B. Project Name: Lakeshore Park and Community Center.
- C. Project Location: 601 South Lake Drive, Novi, MI 48375.
- D. Owner: City of Novi.
- E. Architect: NSA Architects, Engineers, Planners.
- F. Architect Project Number: 216409.00.

1.2 BID FORM SUPPLEMENT

- A. This form is required to be attached to the Bid Form.
- B. The undersigned Bidder certifies that Base Bid submission to which this Bid Supplement is attached includes those allowances described in the Contract Documents and scheduled in Section 012100 "Allowances."

1.3 SUBMISSION OF BID SUPPLEMENT

- A. Respectfully submitted this 26th day of April, 2019.
- B. Submitted By: DeMaria, Inc. (Insert name of bidding firm or corporation).
- C. Authorized Signature: Anthony DeMaria (Handwritten signature).
- D. Signed By: Anthony DeMaria (Type or print name).
- E. Title: President (Owner/Partner/President/Vice President).

END OF DOCUMENT 004321

SCHEDULE OF VALUES

AIA DOCUMENT G703

Project: Lakeshore Park Novi

Bidding General Contractor: DeMaria

Location: 601 South Lake Drive, Novi MI 48377

ARCHITECT'S PROJECT NO: 216404

A	B	C	D	E	F	G	H	I	J
Division NO.	DESCRIPTION OF WORK								SCHEDULED VALUE
01	General Requirements								\$452,983
02	Demolition								\$30,595.00
03	Concrete								\$292,203.00
04	Masonry								\$562,545.00
05	Metals								\$61,609.00
06	Wood, Plastics, and composites								\$581,094.00
07	Thermal and Moisture protection								\$221,915.00
08	Openings								\$146,722.00
09	Finishes								\$205,099.00
10	Specialties								\$40,520.00
11	Equipment								\$3,923.00
12	Furnishings								\$11,218.00
13	Special construction								\$147,205.00
21	Fire Suppression								\$35,694.00
22	Plumbing								\$107,922.00
23	HVAC								\$134,619.00
26	Electrical								\$579,719.00
27	Communications		Included Rough in						\$0.00
28	Electronic safety and security		Included Rough in						\$0.00
31	Earthwork								\$804,434.00
32	Exterior Improvements								\$608,881.00
	GRAND TOTAL								\$ 5,034,900



4/26/19

City of Novi
Lakeshore Park project
Value Engineering Options

Attn: Brandon McCullough

1. Waive the ABAA Requirements regarding the 072726 Air barrier – Deduct \$2,750.00
2. Eliminate specified pressure treatment (061516/2.3) to all 2" decking – Deduct \$15,000
3. Use RediRock in lieu of Keystone (Used on DPW) retaining wall – Add \$18,000.00
4. We have included the allowance for CCTVs, however we have NOT included any further security costs due to lack of information. (Per Jeff Branch, Security Corp).
5. Excludes asphalt stamping. Location and quantity not shown.
6. Excludes Cycle Grip green application. No bidders.
7. No fire pump for fire protection, assuming adequate supply.
8. If 2,000 CY of unsatisfactory soil removal and replace with satisfactory soils is not required. Deduct \$35,000
9. DeMaria has identified approximately \$250,000 in Value Engineering.

LAKESHORE PARK

City of Novi
601 South Lake Drive

ID	Task Calendar	Task Name	Duration	Start	Finish	Float	
1	None	Project Milestone Schedule	250 days	4/26/19	4/30/20	0 days	
2	None	Bid Due	1 day	4/26/19	4/26/19	0.06 days	◆ 4/26
3	None	Selection	15 days	4/29/19	5/17/19	0.06 days	◆ 4/29 5/17
4	None	Notice of Award	1 day	5/20/19	5/20/19	0.06 days	◆ 5/20
5	None	Construction Documents Issued	1 day	5/21/19	5/21/19	9.06 days	◆ 5/21
6	None	Permitting Process	10 days	5/22/19	6/5/19	9.06 days	◆ 5/22 6/5
7	None	Preconstruction Meeting	1 day	5/30/19	5/30/19	7.06 days	◆ 5/30 5/30
8	None	Ground Breaking Ceremony	1 day	6/6/19	6/6/19	3.06 days	◆ 6/6
9	None	Phase 1 Substantial Completion: Major Site Work South of New Building and Parking Lot (NLT 03/31/20)	0 days	9/6/19	9/6/19	166 days	◆ 9/6
10	None	Phase 2 Substantial Completion: Remaining Work (Incl. New Bldg.) (NLT 12/01/19)	0 days	11/30/19	11/30/19	107 days	◆ 11/30
11	None	Final Completion: Remaining Work (Incl. New Bldg.) (NLT 04/30/20)	0 days	4/30/20	4/30/20	0 days	◆ 4/30
12	None	Subcontract Award	15 days	5/21/19	6/11/19	0.06 days	
13	None	Subcontract Award Site Demolition/ Utilities	5 days	5/21/19	5/28/19	5.06 days	5/21 5/28
14	None	Subcontract Award Foundations/ Structure	5 days	5/21/19	5/28/19	0.06 days	5/21 5/28
15	None	Subcontract Award Underground MEP	10 days	5/21/19	6/4/19	15.06 days	5/21 6/4
16	None	Subcontract Award Exterior Enclosure	10 days	5/21/19	6/4/19	34.06 days	5/21 6/4
17	None	Subcontract Award MEP Aboveground	10 days	5/21/19	6/4/19	59.06 days	5/21 6/4
18	None	Subcontract Award Interiors Core and Shell	15 days	5/21/19	6/11/19	41 days	5/21 6/11
19	None	Subcontract Award Interior Finishes, Site Improvements	15 days	5/21/19	6/11/19	51 days	5/21 6/11
20	None	Subcontract Award Communications, Security	15 days	5/21/19	6/11/19	55 days	5/21 6/11
21	None	Approvals/ Material and Equipment Procurement (expedited)	45 days	6/5/19	8/7/19	0.06 days	
22	None	Procurement Site Utilities	8 days	6/5/19	6/14/19	5.06 days	6/5 6/14
23	None	Procurement Foundations/ Structure	25 days	6/5/19	7/10/19	0.06 days	6/5 7/10
24	None	Procurement Underground MEP	20 days	6/5/19	7/2/19	15.06 days	6/5 7/2
25	None	Procurement Exterior Enclosure	40 days	6/5/19	7/31/19	34.06 days	6/5 7/31
26	None	Procurement MEP Aboveground	30 days	6/5/19	7/17/19	59.06 days	6/5 7/17
27	None	Procurement Interiors Core and Shell	40 days	6/12/19	8/7/19	41 days	6/12 8/7
28	None	Procurement Interior Finishes, Site Improvements	40 days	6/12/19	8/7/19	51 days	6/12 8/7
29	None	Procurement Communications, Security	40 days	6/12/19	8/7/19	55 days	6/12 8/7
30	None	CONSTRUCTION	130 days	5/29/19	11/30/19	7.06 days	
31	None	SOUTH CONSTRUCTION PHASE 1	71 days	5/29/19	9/6/19	144 days	
32	None	PH 1 Mobilize	2 days	5/29/19	5/30/19	144 days	5/29 5/30
33	None	PH 1 Temporary Signage / Temporary Access	3 days	5/29/19	5/31/19	146 days	5/29 5/31
34	None	PH 1 Existing Conditions Survey	2 days	5/30/19	5/31/19	144 days	5/30 5/31
35	None	PH 1 Layout / Barricading / Erosion Control	3 days	5/30/19	6/3/19	144 days	5/30 6/3
36	None	PH 1 Earthwork - Mobilize Equipment & Tools	1 day	6/4/19	6/4/19	144 days	6/4 6/4
37	None	PH 1 Site Demolition	10 days	6/5/19	6/18/19	154 days	6/5 6/18
38	None	PH 1 Haul off asphalt, base and any other spoils	10 days	6/5/19	6/18/19	144 days	6/5 6/18
39	None	PH 1 Earth Moving / Site Utilities	15 days	6/19/19	7/10/19	144 days	6/19 7/10
40	None	PH 1 New Pond	10 days	6/19/19	7/2/19	154 days	6/19 7/2
41	None	PH 1 Sub Drainage / Piping	10 days	7/3/19	7/17/19	144 days	7/3 7/17
42	None	PH 1 Aggregate Base	10 days	7/3/19	7/17/19	144 days	7/3 7/17
43	None	PH 1 Curbs and Gutters / Concrete / Rough Electrical	10 days	7/11/19	7/24/19	144 days	7/11 7/24
44	None	PH 1 Concrete Paving	10 days	7/18/19	7/31/19	144 days	7/18 7/31
45	None	PH 1 New Pavilion Construction	20 days	8/1/19	8/28/19	149 days	8/1 8/28
46	None	PH 1 New Shed Construction	25 days	8/1/19	9/5/19	144 days	8/1 9/5
47	None	PH 1 Site Amenities (by owner)	25 days	8/1/19	9/5/19	144 days	8/1 9/5
48	None	PH 1 Site Lighting	3 days	8/1/19	8/5/19	163 days	8/1 8/5
49	None	PH 1 Asphalt Paving	5 days	8/1/19	8/7/19	154 days	8/1 8/7
50	None	PH 1 Grass Pavers	5 days	8/1/19	8/7/19	156 days	8/1 8/7
51	None	PH 1 Pavement Markings and Signing	3 days	8/9/19	8/13/19	156 days	8/9 8/13
52	None	PH 1 Preliminary Punchlist and Final Clean	4 days	8/9/19	8/14/19	156 days	8/9 8/14
53	None	PH 1 Landscaping and Restoration	10 days	8/22/19	9/5/19	144 days	8/22 9/5
54	None	PH 1 Final Punchlist Inspection / Resolution	3 days	9/3/19	9/5/19	144 days	9/3 9/5
55	None	PH 1 Final Completion - Owner Occupancy	1 day	9/6/19	9/6/19	144 days	◆ 9/6

LAKESHORE PARK

ID	Task Calendar	Task Name	Duration	Start	Finish	Float
56	None	NORTH CONSTRUCTION PHASE 2	125 days	6/5/19	11/30/19	0 days
57	None	PH 2 Mobilization / Temp Barricades / Temp Protection	3 days	6/5/19	6/7/19	2.06 days
58	None	PH 2 Site Investigation / Condition Survey	2 days	6/6/19	6/7/19	2.06 days
59	None	PH 2 Site Demolition	3 days	6/10/19	6/12/19	2.06 days
60	None	PH 2 Site Clearing and Grubbing	10 days	6/10/19	6/21/19	2.06 days
61	None	PH 2 Site Utilities	15 days	6/17/19	7/8/19	2.06 days
62	None	PH 2 Excavation / Foundations	20 days	6/26/19	7/24/19	0.06 days
63	None	PH 2 Under Slab MEP	7 days	7/25/19	8/2/19	0.06 days
64	None	PH 2 Prep for Slab	3 days	8/5/19	8/7/19	0.06 days
65	None	PH 2 Slab On Grade	7 days	8/5/19	8/13/19	0.06 days
66	None	PH 2 Masonry	20 days	8/14/19	9/11/19	0.06 days
67	None	PH 2 Roof Framing	5 days	9/12/19	9/18/19	0.06 days
68	None	PH 2 Roofing Systems	10 days	9/19/19	10/2/19	0.06 days
69	None	PH 2 Exterior Enclosure	15 days	9/19/19	10/6/19	0.06 days
70	None	PH 2 Exterior Doors and Windows	10 days	9/26/19	10/6/19	7 days
71	6D 1-10hr Shift	PH 2 Rough OH HVAC	10 days	10/9/19	10/18/19	0.25 days
72	6D 1-10hr Shift	PH 2 Rough OH Mechanical	10 days	10/9/19	10/18/19	0.25 days
73	6D 1-10hr Shift	PH 2 Rough OH Plumbing	10 days	10/9/19	10/18/19	0.25 days
74	6D 1-10hr Shift	PH 2 Rough OH Electrical	10 days	10/9/19	10/18/19	5.25 days
75	6D 1-10hr Shift	PH 2 Begin Rough OH MEP Inspections	1 day	10/18/19	10/18/19	0.25 days
76	6D 1-10hr Shift	PH 2 Rough Fire Suppression	10 days	10/18/19	10/28/19	0.25 days
77	6D 1-10hr Shift	PH 2 Rough Temperature Controls	10 days	10/18/19	10/28/19	0.25 days
78	6D 1-10hr Shift	PH 2 Rough Architectural	10 days	10/18/19	10/28/19	0.25 days
79	6D 1-10hr Shift	PH 2 Rough Fire Alarm	10 days	10/18/19	10/28/19	8.25 days
80	6D 1-10hr Shift	PH 2 Rough Security	10 days	10/18/19	10/28/19	6.25 days
81	6D 1-10hr Shift	PH 2 Begin Rough Arch Inspections	1 day	10/28/19	10/28/19	0.25 days
82	6D 1-10hr Shift	PH 2 Rough In-wall HVAC	10 days	10/28/19	11/8/19	0.25 days
83	6D 1-10hr Shift	PH 2 Rough In-wall Mechanical	10 days	10/28/19	11/8/19	0.25 days
84	6D 1-10hr Shift	PH 2 Rough In-wall Plumbing	10 days	10/28/19	11/8/19	1.25 days
85	6D 1-10hr Shift	PH 2 Rough In-wall Electrical	10 days	10/28/19	11/8/19	3.25 days
86	6D 1-10hr Shift	PH 2 Rough Building Controls	10 days	10/28/19	11/8/19	0.25 days
87	6D 1-10hr Shift	PH 2 Begin Rough In-wall MEP Inspections	1 day	11/8/19	11/7/19	0.25 days
88	6D 1-10hr Shift	PH 2 Finish Architectural	10 days	11/7/19	11/16/19	0.25 days
89	6D 1-10hr Shift	PH 2 Finish HVAC	10 days	11/7/19	11/16/19	0.25 days
90	6D 1-10hr Shift	PH 2 Finish Mechanical	10 days	11/7/19	11/16/19	0.25 days
91	6D 1-10hr Shift	PH 2 Finish Plumbing	10 days	11/7/19	11/16/19	0.25 days
92	6D 1-10hr Shift	PH 2 Finish Fire Suppression	10 days	11/7/19	11/16/19	0.25 days
93	6D 1-10hr Shift	PH 2 Finish Temperature Controls	10 days	11/7/19	11/16/19	0.25 days
94	6D 1-10hr Shift	PH 2 Finish Electrical	10 days	11/7/19	11/16/19	0.25 days
95	6D 1-10hr Shift	PH 2 Finish Building Controls	10 days	11/7/19	11/16/19	0.25 days
96	6D 1-10hr Shift	PH 2 Finish Fire Alarm	10 days	11/7/19	11/16/19	0.25 days
97	6D 1-10hr Shift	PH 2 Finish Security	10 days	11/7/19	11/16/19	0.25 days
98	6D 1-10hr Shift	PH 2 Testing and Commissioning Mechanical Systems	5 days	11/16/19	11/21/19	0.25 days
99	6D 1-10hr Shift	PH 2 Testing and Commissioning Electrical Systems	5 days	11/16/19	11/21/19	0.25 days
100	6D 1-10hr Shift	PH 2 Begin Final MEP Inspections	1 day	11/16/19	11/18/19	4.25 days
101	6D 1-10hr Shift	PH 2 Site Preparation	10 days	10/9/19	10/18/19	1.25 days
102	6D 1-10hr Shift	PH 2 Finish Site Utilities	10 days	10/18/19	10/28/19	1.25 days
103	6D 1-10hr Shift	PH 2 Site Concrete and Paving	15 days	10/18/19	11/1/19	1.25 days
104	6D 1-10hr Shift	PH 2 Site Irrigation and Landscaping (partial)	15 days	11/1/19	11/15/19	1.25 days
105	6D 1-10hr Shift	PH 2 Ornamental Fence	5 days	11/15/19	11/20/19	1.25 days
106	6D 1-10hr Shift	PH 2 Punchlist Receipt	1 day	11/21/19	11/22/19	2.25 days
107	6D 1-10hr Shift	PH 2 Final Punchlist	8 days	11/21/19	11/29/19	0.25 days
108	6D 1-10hr Shift	PH 2 Final Cleanup	5 days	11/25/19	11/29/19	0.25 days
109	6D 1-10hr Shift	PH 2 Final City Inspections/ Agency Inspections	2 days	11/28/19	11/29/19	0.25 days
110	6D 1-10hr Shift	PH 2 Demobilization	1 day	11/29/19	11/30/19	0.25 days
111	Standard	PH 3 Final Completion and Project Close-out	14 days	4/13/20	4/30/20	0 days
112	Standard	PH 3 All Landscaping	14 days	4/13/20	4/30/20	0 days
113	Standard	PH 3 Final Completion and Project Close-out	0 days	4/30/20	4/30/20	0 days

THE AMERICAN INSTITUTE OF ARCHITECTS



AIA Document A310

Bid Bond

KNOW ALL MEN BY THESE PRESENTS, that we

DeMaria Building Company, Inc.
45500 Grand River Ave, Novi, MI 48374

as Principal, hereinafter called Principal, and

Liberty Mutual Insurance Company
175 Berkeley Street, Boston, MA 02116

a corporation duly organized under the laws of the State of **Massachusetts**
as Surety, hereinafter called Surety, are held and firmly bound unto

City of Novi
45175 West Ten Mile Road, Novi, MI 48375

as Obligee, hereinafter called Obligee, in the sum of **Five Percent of Accompanying Bid**

Dollars **(5% of Bid)**

for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for (Here insert full name, address and description of project)

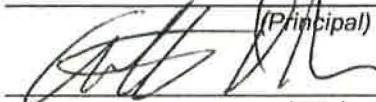
Lakeshore Park

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

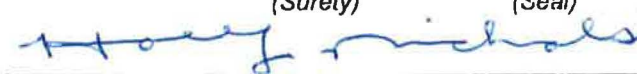
Signed and sealed this 26th day of April, 2019.

DeMaria Building Company, Inc.


(Witness)

{  (Principal) (Seal)
Anthony DeMaria (Title) President


(Witness)

{ **Liberty Mutual Insurance Company**
(Surety) (Seal)

(Title)
Holly Nichols, Attorney in Fact



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: 8198083-013068

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Nicholas Ashburn, Anne Barick, Robert D. Heuer, Paul M. Hurley, Michael D. Lechner, Mark Madden, Richard S. McGregor, Holly Nichols, Jason Rogers

all of the city of Troy state of MI each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 30th day of November, 2018.



Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: David M. Carey, Assistant Secretary

State of PENNSYLVANIA
County of MONTGOMERY ss

On this 30th day of November, 2018 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 26th day of April, 2019.



By: Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.