

**RECORDING
NOT REQUIRED**

PREPARED BY:

**CITY OF TROY
116 E. MARKET STREET
TROY, IL 62294**

RETURN TO: CITY CLERK

**CITY OF TROY
RESOLUTION 2022 – 37**

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A CHANGE ORDER
WITH LANDSCAPE STRUCTURES INC. FOR THE
SERENADE PARK POOL SYSTEM**

**ADOPTED BY THE
CITY COUNCIL OF THE
CITY OF TROY, ILLINOIS
THIS 19th DAY OF SEPTEMBER 2022**

CITY OF TROY
RESOLUTION NO. 2022 - 37

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A CHANGE ORDER
WITH LANDSCAPE STRUCTURES INC. FOR THE
SERENADE PARK POOL SYSTEM**

WHEREAS, the City Council of the City of Troy, Illinois, proposes to construct a water feature playscape within Troy city limits with TIF escrow funding and a \$300,000 grant from MEPRD; and

WHEREAS, Landscape Structures Inc. submitted the low bid of \$132,165 to provide the playground and pool equipment, design, permitting for the pool, and required piping for later conversion to a recirculation pumping system for the City's new Serenade Park playscape; and

WHEREAS, through coordination between city staff and Landscape Structures Inc., the project cost was decreased to \$62,986 by modifying the pool system from a recirculation system to a domestic water system, bringing the total cost of the Serenade Park project within the allotted budget amount; and

WHEREAS, the City Engineer has reviewed the MEPRD grant and finds the changes made to modify the project cost do not contradict the grant language previously approved.


NOW, THEREFORE, BE IT RESOLVED that the City Council of Troy, Illinois, approves this change order and authorizes the Mayor to sign any documentation required to implement the changes to LSI's contract, modifying the pool system and decreasing the cost from \$132,165 to \$62,986.

PASSED this 19th day of September, 2022.

Aldermen:

Dan Dawson	<u>AYE</u>	Sam Italiano	<u>AYE</u>	Ayes:	<u>7</u>
Tim Flint	<u>AYE</u>	Debbie Knoll	<u>AYE</u>	Nays:	<u>0</u>
Elizabeth Hellrung	<u>AYE</u>	Tony Manley	<u>AYE</u>	Absent:	<u>1</u>
Nathan Henderson	<u>AYE</u>	Troy Turner	<u>ABSENT</u>	Abstain:	<u>0</u>

APPROVED:

By: 

DAVID NONN, Mayor
City of Troy, Illinois

ATTEST:

By: 

KIMBERLY THOMAS, Clerk
City of Troy, Illinois

ISEALD

August 12, 2022

Esteemed Council,

Jay and I have been working with the Serenade Park pool contractor (LSI) and general contractor (Keller Construction) to value engineer the bids.

For some background, Planning Design Studio (designer) and the City planned for the Park to be constructed under two contracts:

The first contract is what we're calling the pool contract, and it was for providing playground and pool equipment, design, and permitting for the pool. The original bid was for \$132,165, and the contract was awarded to LSI. The pool contract included a recirculation pumping system for the simulated creek.

The second contract is what we're calling the general construction contract, and Keller was the low bidder at \$984,035. The general construction contract was for installing the pool equipment, playground equipment, building the pump house, sidewalks, parking lot, grading, seeding, and landscaping – basically building the Park.

The contractors were asked to requote the project using a domestic system (i.e., pump-and-dump) instead of a recirculation system. Keller was also asked to figure the pump building as a stick-build instead of buying a kit system, remove some landscaping on the far side of the pond, revise the erosion control plan, and remove the sanitary and water line from their bid as the city can self-perform this work cost effectively.

In summary, these changes result in a total savings of \$210,434 from the original bids. The city feels that the park design is maintained as Planning Design Studio's envisioned and that the public will enjoy the park as it was originally conceived. We have also reviewed the \$300,000 MEPRD grant, and these changes do not contradict the grant language that was approved by MEPRD.

Therefore, City staff is recommending the LSI's contract be revised from \$132,165 to \$62,986 and that Keller be awarded a contract in the amount of \$842,780 per the attached letters.

Respectfully,



Tom Cissell, PE
City Engineer



Box 2121
La Grange, IL 60525
708-579-9055
708-579-0109 (fax)
1-800-526-6197

August 4, 2022

SERENADE PARK
TROY, IL
AQUATIX BY LANDSCAPE STRUCTURES
SPLASH PAD SYSTEM - DRAIN AWAY

Phase #1 - Design Drawings and Details

Design & Construction Drawings:

Includes: All design and construction drawings for Splash Pad project construction to consist of construction drawings for concrete pad, mechanical system, electrical and control systems, imbed spray fixtures / collector box installation details, water plays structure assembly / installation on concrete splash pad, equipment systems installation and hookups. \$ 4,016

Splash Pad Design Notes:

- 1 Aquatix design services are based on ideal site locations and conditions.
- 2 Aquatix design services do not include soil corrections, demolition planning, site elevation plans, utility planning / design or relocation of utilities.
(i.e. based on waters, waste and power being available at designed area's of splash pad by others.)
- 3 Any additional drawings associated with project outside of splash pad to be made by others.
(sidewalks, landscaping, electrical)
- 4 All permits and costs of permits are not included in our Splash Pad design package.
- 5 Design package will be prepared based on Aquatix's interpretation of Local Health Code.

Optional Services:

Sealed Engineering Stamp:

Aquatix to have drawings stamped by a licensed PE in the state of the project. \$ 6,359

20% RESTOCK FEE FOR RECIRCULATION SYSTEM ORDERED AND READY TO SHIP \$17,930



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Phase #2 - Splash Pad Features and Mechanicals				
<u>QTY.</u>	<u>NO.</u>	<u>DESCRIPTION</u>	<u>UNIT PRICE</u>	<u>PRICE</u>
Water Play Features				
4	AQ1000834	Arch Jet - SS	\$ 667	\$ 2,667
1	AQ101212	Sea Crawler - PVC		467
1	AQ100457	Stream Jet Triangle - PVC		1,292
1	307316	Supply Fitting		621
1	Aquatix	Mechanicals - Drain Away System		<u>21,431</u>
	includes:	Step Pad Activator		
		Control Panel - Sequencing		
		Drain Box		
		Distribution Manifold - Sequencing		
			Subtotal	\$ 26,477
			Shipping Cost (One Shipment)	<u>4,203</u>
			Total	\$ 30,680

Water play feature design notes:

- * All above water play features are to be the standard product of Aquatix.
- * All ground spray features are imbed and installed prior to concrete being poured.
- * Pricing reflects painted products. Brushed SS to have additional costs.
- * Additional fees may apply for products to be powdercoated.



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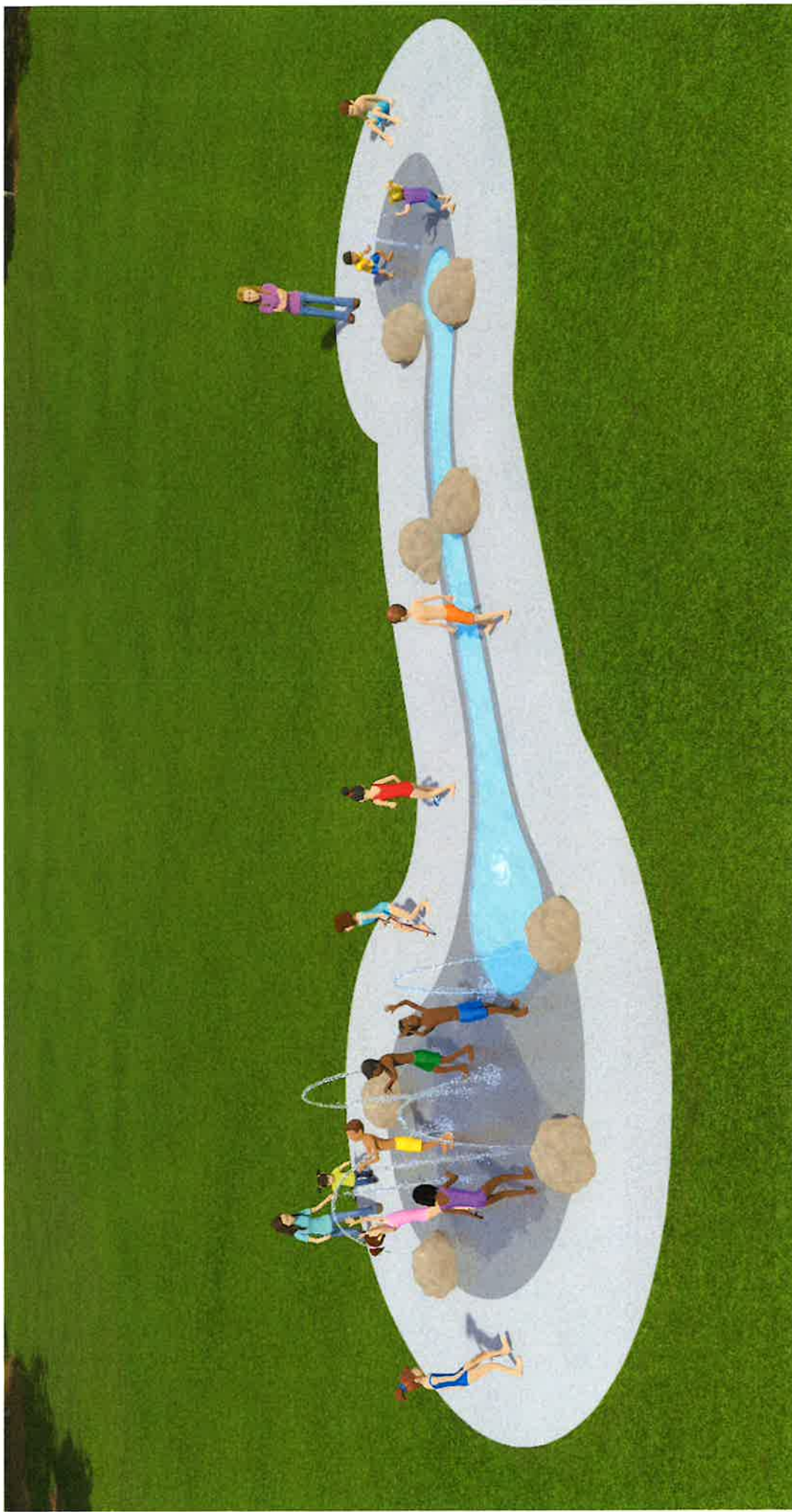
Phase #3 - System Startup and Training

1	Aquatix	System Startup and Training	\$	4,000
*	Aquatix to provide (1) factory direct technician for (2) day of system startup, balancing, and owner training. Aquatix requires 2-4 weeks advance notice depending on seasonal demand.			



Serenade Park

Design# 1159648-02-01 7/26/2022





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Design Details

*Surface finishes and/or site furnishings shown are conceptual and provided by others.

Proposed Color Palette

Paint Colors

Project Details

Dimensions
51' 4" x 41' 2"

Acrylic Colors

Total System Flow Rate
105 GPM

Step Pad Color



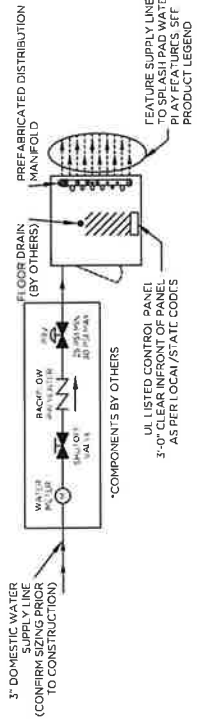
Color Approval

Customer Signature _____ Date _____

Colors shown are for representation purposes.
Consult with your Representative for actual color swatches for final color selection.

**PRELIMINARY
FOR BID ONLY
NOT FOR
CONSTRUCTION**

EQUIPMENT ROOM (BY OTHERS, NTS)
LOCATION TO BE DETERMINED



NO	PRODUCT	QTY	GPW	LINE SIZE
1	ARCH JET	4	10 EA	" EA
2	SEA CRAWLER	1	5	1"
3	STREAM JET TRIANGLE	1	30	1"
4	SUPPLY FITTING	1	30	"
5	STEP PAD ACTIVATOR	1	"	"
6	DRAIN BOX	1	"	"

- NOTE:**
- ALL CONCRETE SLOPES TO BE 1/8"/FT MIN. AND 1/4"/FT MAX.
 - SITE ELEVATIONS OF SPLASH PAD AND CONCRETE SURFACES SHALL BE REFERENCED TO THE FINISH GRADE ELEVATION. ELEVATION REFERENCE IS TO TOP OF DRAIN BOX. ALL OTHER NOTED ELEVATIONS ARE REFERENCED FROM THAT POINT.
 - REFER TO THE SUPPLY LINES DRAWING FOR EACH PRODUCT.
 - ACTUAL SIZE, SHAPE, AND LOCATION OF SPLASH PAD TO BE FIELD DETERMINED BY OTHERS. ALL DIMENSIONS OF SIZE AND SHAPE OF SPLASH PAD SHALL BE AS SHOWN ON THIS DRAWING. THE INTENT OF A SPLASH PAD IS TO BE A DRY DECK WITH NO STANDING WATER. THE WATER IS TO BE CONTAINED WITHIN THE PERIMETER OF THE SPLASH PAD AND ALL WATER IS TO DRAIN TO THE DRAIN PATTERN.
 - THIS DRAIN PATTERN SHALL BE FORMED AND SLOPED TO ACCOMMODATE ALL TREATED SPLASH PAD WATER IS INTENDED TO BE DRAIN TO THE DRAIN PATTERN. DESIGNER SHALL PROVIDE UNDER NO CIRCUMSTANCES SHALL THE SPLASH PAD ALLOW WATER TO DRAIN OFF PAD. SURROUNDING HARDSCAPE AREA BE SLOPED TO SURROUNDING HARDSCAPE AREA BE SLOPED TO DRAIN TO THE DRAIN PATTERN.
 - ALL CONCRETE SURFACES TO HAVE A MEDIUM BROOM FINISH.
 - COORDINATE EXPANSION JOINT AND SAW CUT JOINTS TO THE DESIGNER'S RECOMMENDATIONS. DRAWINGS ARE FOR DESIGN/LAYOUT PURPOSES ONLY. PLEASE SEE AQUATIX BY LANDSCAPE STRUCTURES FOR INCLUDED STRUCTURES/EQUIPMENT, SERVICES, AND EXCLUSIONS.
 - SPLASH ZONES ARE APPROXIMATE. ACTUAL SPLASH ZONE MAY VARY BASED ON VARIOUS ENVIRONMENTAL CONDITIONS, FLOW RATES, SLOPE OF THE SPLASH PAD, SUBMERGENCE, DRAWINGS ARE SCHEMATIC ONLY.
 - 18" OF GRANULAR FILL RECOMMENDED OR AS SOIL CONDITIONS AND/OR LOCAL CODE REQUIRES CAPACITY.
 - THERE IS TO BE A MINIMUM OF 6" OF GRANULAR FILL AROUND ALL PIPING.
 - CONSTRUCTION OF SPLASH PAD CONCRETE TO BE 3000 PSI CONCRETE. ALL JOINTS TO BE SPACED TO OCCUR EACH WAY. CONCRETE PAD TO HAVE REQUIRED EXPANSION JOINTS EVERY 20' X 20'. SAW-CUT JOINTS EVERY 19' AND THICKEN PROFILES AT EDGE OF PAD AND AT CONSTRUCTION OF 5" APRON AROUND PERIMETER OF SPLASH PAD TO BE 4" THICK WIRE MESH REINFORCED 3500 PSI CONCRETE. APRON TO INCLUDE EXPANSION JOINTS AT PERIMETER. SCHEDULE 80 PAC TO BE UTILIZED FOR ALL SPLASH PAD MECHANICAL SYSTEM PIPING.

SPLASH PAD AREA: 326 SQ FT
TOTAL AREA: 986 SQ FT
TOTAL FEATURE FLOW RATE: 105 GPM

