



**Splash Pad Design and Permitting/Playground Equipment
City of Troy, IL**

BID RESPONSES MUST BE RECEIVED BY: 10:00am local time on Tuesday, January 18, 2022

The City of Troy seeks a qualified Splash Pad and Playground Equipment firm interested in providing design, equipment and permitting for Serenade Park.

Please submit any questions regarding this bid in writing to the Director of Public Works, Robert Hancock via email to: rhancock@troyil.us

All addenda will be posted on: www.troyil.us

Request for Proposal

MAILING INSTRUCTION: Print or type Bid Title and Due Date on the lower left hand corner of the envelope or package. Delivered **SEALED BIDS** must be received in the Administration Office prior to **10:00am on Tuesday, January 18, 2022**. Bids will be opened by the Purchasing Manager at the location listed below.

RETURN BID TO:
 City of Troy Public Works
 Attn: Tom Cissell
 116 E. Market St.
 Troy, IL 62294

By signing this cover page, the bidder shall hereby declare understanding, agreement and certification of compliance to provide the items and/or services, at the prices quoted, in accordance with all requirements and specifications contained herein and the Terms and Conditions. In addition, the bidder shall further agree that upon receipt of an authorized purchase order from the City of Troy or when a Contract Resolution is signed and issued by an authorized official of the City of Troy, a binding contract shall exist between the bidder and the City of Troy.

SIGNATURE REQUIRED / RETURN WITH BID

LEGAL NAME OF ENTITY/INDIVIDUAL FILED WITH IRS FOR THIS TAX ID NO.	DOING BUSINESS AS (DBA) NAME
MAILING ADDRESS	
CITY, STATE, ZIP CODE	
CONTACT PERSON	EMAIL ADDRESS
PHONE NUMBER	FAX NUMBER
TAXPAYER ID NUMBER (TIN)	TAXPAYER ID (TIN) TYPE (CHECK ONE) _____ FEIN _____ SSN
VENDOR TAX FILING TYPE WITH IRS (CHECK ONE) _____ Individual/Sole Proprietor _____ C Corporation _____ S Corporation _____ Partnership _____ LLC, Class _____ Other	
AUTHORIZED SIGNATURE	DATE
PRINTED NAME	TITLE

The City of Troy reserves the right to accept or refuse any or all bids.

CITY OF TROY, ILLINOIS
GENERAL TERMS AND CONDITIONS OF BIDDING

1. **Opening Location:** *Sealed proposals will be received at City of Troy Municipal Building, 116 E. Market. St., Troy, IL 62294, until the proposal closing date and time indicated above.*
2. **Opening of advertised proposals:** *The vendor and public are invited, but not required, to attend the opening of proposals. No decision related to an award of a contract or purchase order will be made at the opening.*
3. **Submittal of Proposals:** *Proposals must be submitted in a sealed envelope identified with the bid title and date of closing on the outside. Facsimile, telephone and email proposals will NOT be considered. Proposals will not be accepted after the due date and time.*
4. *All proposals shall be submitted FOB Destination Troy, Illinois 62294, freight prepaid (unless otherwise stated).*
5. **Prices Bid:** *Give unit price, extended total or both if applicable. Price must be stated in units of quantity specified in the bidding specifications. In case of discrepancy in computing the amount of the Bid, the unit price of the Bid will govern. Each item must be bid separately and no attempt is to be made to tie any item or items in with any other item or items.*
6. **Taxes:** *Do NOT include Federal Excise Tax or Sales and Use Tax in the bid prices, as the City is exempt from them by law. Tax Exemption Certificate will be furnished if required.*
7. **Estimated Quantities:** *The estimated quantities indicated in this Request for Proposal represent anticipated requirements only. The right is reserved to exceed or diminish these estimates.*
8. **Bid Forms, Variances, and Alternates:** *Bids must be submitted on attached City bid forms, although additional information may be attached. Bidders must indicate any variances from the City requested specifications and/or terms and conditions, on the Affidavit of Compliance. Otherwise, bidders must fully comply with the City requested specifications and terms and conditions. Alternate Bids may or may not be considered at the sole discretion of the City of Troy.*
9. **“Or Equal” Interpretation:** *When a particular manufacturer’s name or brand is specified along with the words “or equal”, Quotations will be considered on other brands or the product of other manufacturers. On all such Quotations the bidder shall indicate clearly the product (brand and model number) on which he is bidding, and shall supply a sample or sufficient data in detail to enable an intelligent comparison to be made with the particular brand or manufacturer specified. Catalog cuts and technical descriptive data shall be attached to the original copy of the quote where applicable. Failure to submit the above information may be sufficient grounds for the rejection of quote.*
10. **Withdrawal of Bids:** *Bids or proposals may be revised, modified, or withdrawn by the bidder at any time prior to opening. Any such revision, modification, or withdrawal shall be in writing. After the bids are opened, they shall be irrevocable for the period sixty (60) days. Bids or proposals may not be withdrawn or revised after opening unless specified in the RFP.*
11. **Clarification and Addenda:** *Each bidder shall examine all Bid documents and shall judge all matters relating to the adequacy and accuracy of such documents. Any inquiries or suggestions, concerning interpretation, clarification, or additional information pertaining to the Request for Proposal shall be made through the Administration Office in writing or through email. The Administration Office shall not be responsible for oral interpretations given by any City employee, representative, or others. The issuance of written addenda is the official method whereby interpretation, clarification, or additional information can be given. It shall be the responsibility of each bidder, prior to submitting their Bid, to contact the Administration Office at phone number 618-667-9924 or jkeeven@troyil.us, to determine if addenda were issued and to make such addenda a part of their Bid. Any and all addendums will be posted on the City’s web site (www.troyil.us) under Current Bid Opportunities.*
12. **Contract Forms:** *Any agreement, contract, or purchase order resulting from the acceptance of a Bid shall be on forms either supplied by or approved by the City.*
13. **Reserved Rights:** *The City reserves the right to make such investigations as it deems necessary to make the determination of*

the bidder's responsiveness and responsibility. Such information may include, but shall not be limited to: current financial statement, verification of availability of equipment and personnel, and past performance records.

14. **The Right to Audit:** *The bidder agrees to furnish supporting detail as may be required by the City to support charges or invoices, to make available for audit purposes all records covering charges pertinent to the purchase, and to make appropriate adjustments in the event discrepancies are found.*
15. **Applicable Law:** *All applicable laws and regulations of the State of Illinois and the City will apply to any resulting agreement, contract, or purchase order. Further, any and all disputes arising out of and/or related in any way to this RFB process or any contract executed after bid acceptance. and/or the work at issue which is the subject of this RPB, shall be filed exclusively in the Circuit Court for the Third Judicial Circuit, Madison County, Illinois.*
16. **Right to Protest:** *Protestors shall seek resolution of their complaints initially with the City Administration Office. Any protest must state the basis upon which the solicitation or award is contested and shall be submitted within ten (10) calendar days after such aggrieved person knew or could have reasonably been expected to know of the facts giving rise thereto.*
17. **Quality Guaranty:** *If any product delivered does not meet applicable specifications or if the product will not produce the effect that the bidder represents to the City, the bidder shall pick up the product from the City at no expense. Also, the Bidder shall refund to the City any money which has been paid for same. The bidder will be responsible for any and all costs and attorney fees in the event the bidder defaults and court action is required.*
18. **Quality Terms:** *The City reserves the right to reject any or all materials if, in its judgment, the item reflects unsatisfactory workmanship, manufacturing, or shipping damages.*
19. **No-Bid:** *In the event you are unable to quote on this requirement, please return the "No-bid Response Form", on or before the bid closing date. Please indicate the reason(s) you are unable to participate in this solicitation.*
20. **Bid Tabulation:** *Bidders may request a copy of the bid tabulation of the Request for Bid through the City's Administration Office.*
21. **Expenses:** *All expenses for making Proposals to the City of Troy are to be borne by the bidder.*
22. **Collusion:** *By offering a submission to this Request for Bid, the bidder certifies the bidder has not divulged, discussed, or compared the Bid with other bidders and has not colluded with any other bidder or parties to this RFB whatsoever. Also, the bidder certifies, and in the case of a joint Bid, each party thereto certifies as to their own organization, that in connection with this RFB:*
 - a. *Any prices and/or cost data submitted have been arrived at independently, without consultation, communication, or agreement for the purpose of restricting competition, as to any matter relating to such prices and/or cost data, with any other bidder or with any competitor.*
 - b. *Any prices and/or cost data for this Bid have not knowingly been disclosed by the bidder and will not knowingly be disclosed by the bidder prior to the scheduled opening directly or indirectly to any other bidder or to any competitor.*
 - c. *No attempt has been made or will be made by the bidder to induce any other person or firm to submit or not to submit a Bid for the purpose of restricting competition.*
 - d. *The only person or persons interested in this Bid, principal or principals are named therein and that no person other than therein mentioned has any interest in this Bid or in the contract to be entered into.*
 - e. *No person or agency has been employed or retained to solicit or secure the contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee exempting bona fide employees or established commercial agencies maintained by the Purchaser for the purpose of doing business.*
23. **Liability and Indemnity:**
 - a. *In no event shall the City be liable to the Contractor for special, indirect, or consequential damages, except those caused by the City's gross negligence or willful or wanton misconduct arising out of or in any way connected with The RFB process or any contract executed after bid acceptance. The maximum liability of the City shall be limited to the amount of money to be paid or received by the City under any contract executed after bid acceptance.*
 - b. *The Contractor shall defend, indemnify and save harmless the City, its elected or appointed officials, agents and employees from and against any and all liability, suits, damages, costs (including attorney fees), losses, outlays and expenses from claims in any manner caused by, or allegedly caused by, or arising out of, or connected with the RFP*

process or any contract executed after bid acceptance, including, but not limited to, claims for personal injuries, death, property damage, or for damages from the award of this contract to Contractor.

- c. The Contractor shall indemnify and hold the City harmless from all wages or overtime compensation due any employees in rendering services pursuant to any contract executed after bid acceptance, including payment of reasonable attorneys' fees and costs in the defense of any claim made under the Fair Labor Standards Act, the Illinois Prevailing Wage Law or any other federal or state law.

24. **Bid Information is Public:** All documents submitted with any bid or proposal shall become public documents and subject to Illinois State Statute 5 ILCS140/, which is otherwise known as the "Illinois Sunshine Law". By submitting any document to the City of Troy in connection with a bid or proposal, the submitting party recognizes this and waives any claim against the City of Troy and any of its officers and employees relating to the release of any document or information submitted. Each submitting party shall hold the City of Troy and its officers and employees harmless from any claims arising from the release of any document or information made available to the City of Troy arising from any bid opportunity.

25. **Authorized Product Representation:** The successful bidder(s) by virtue of submitting the name and specifications of a manufacturer's product will be required to furnish the named manufacturer's product. By virtue of submission of the stated documents, it will be presumed by the City that the bidder(s) is legally authorized to submit and the successful bidder(s) will be legally bound to perform according to the documents.

26. **Regulations:** It shall be the responsibility of each bidder to assure compliance with OSHA, EPA, Federal, State of Illinois, and City rules, regulations, or other requirements, as each may apply.

27. Awards:

- a. Unless otherwise stated in the Request for Proposal, cash discounts for prompt payment of invoices will not be considered in the evaluation of prices. However, such discounts are encouraged to motivate prompt payment.
- b. As the best interest of the City may require, the right is reserved to make awards by item, group of items, all or none, or a combination thereof; to reject any and all Bids or waive any minor irregularity or technicality in Bids received.
- c. Awards will be made to the Bidder whose Bid (1) meets the specifications and all other requirements of the Request for Proposal and (2) is the lowest and best Bid, considering price, delivery, responsibility of the bidder, and all other relevant factors.

28. **Termination of Award:** Any failure of the bidder to satisfy the requirements of the City shall be reason for termination of the award. Any Bid may be rejected in whole or in part for good cause when in the best interest of the City.

29. **Budgetary Constraints:** The City reserves the right to reduce or increase the quantity, retract any item from the Bid, or upon notification, terminate entire agreement without any obligations or penalty based upon availability of funds.

30. **Insurance:** The city shall require all contractors performing public works projects or performing work on city property in connection with a contract or purchase order, to maintain insurance of the types and with limits of liability not less than those set out below at the contractor's expense during the term (including the warranty period) of the purchase order from insurers reasonably acceptable to the city covering items, risks and operations required to fulfill the contract or purchase order.

- a. Such policies shall name the City of Troy as an additional named insured with limits of liability.
 - i. **Workers' compensation:** Insurance that the contractor is obliged by law to carry that covers all of contractor's employees performing work under this purchase order ("worker compensation")
 - ii. **Employer's liability insurance:** Employer's liability insurance with a minimum limit of \$1,000,000 per occurrence/\$2,000,000 aggregate. Such insurance shall protect the city as an alternate employer against claims asserted against the contractor by the contractor's workers as "borrowed servants," statutory employees or maritime employees ("employer' liability")
 - iii. **Commercial or comprehensive general liability insurance:** Commercial or comprehensive general liability insurance, including contractual liability coverage, with a minimum limit of \$2,000,000 per occurrence/\$5,000,000 aggregate. .
 - iv. **Automobile liability insurance:** Automobile liability insurance with a combined bodily injury and property damage minimum limit of \$1,000,000 per occurrence/\$2,000,000 aggregate, for all owned and leased vehicles.

- b. *Builders Risk Insurance for contracts involving unoccupied structures. The Contractor shall secure All Risk Builder's Risk Insurance. Unless specifically authorized by the City, the amount of such insurance shall not be less than the total contract price. The policy shall name as insured the Contractor and the City of Troy.*
- c. *Subcontracts: in case any or all of this work is sublet, the contractor shall require the subcontractor to procure and maintain all insurance required in subparagraphs (a) and (b) hereof and in like amounts. The contractor shall require any and all subcontractors with whom it enters a contract to perform work on this project to protect the City of Troy through insurance against applicable hazards or risks and shall, upon request from the City, provide evidence of such insurance.*
31. **Requirement for Bid Security:** *Bid Security shall be required for all formal Bids, requiring City Council approval, as set forth in the City of Troy's Purchasing Policy, for the purchase of Capital Improvement items, and City projects entailing engineering or construction. Bid security shall be a bond provided by a surety company authorized to do business in the State of Illinois, or the equivalent in cash, cashier's check or otherwise supplied in a form satisfactory to the City of Troy in an amount equal to 10% of the total amount of the bid. Failure to provide security, as set forth shall result in the City's rejection of bid.*
32. **Withdrawal of Bids:** *After the bids are opened, they shall be irrevocable for the period of up to sixty (60) days from bid opening date. If a bidder is permitted to withdraw its bid before the opening of bids, no action shall be taken against the bidder or the bid security.*
33. **Correction or Withdrawal of Bids:** *Correction or withdrawal of inadvertently erroneous bids after bid opening, or cancellations of awards or contracts based on such bid mistakes shall not be permitted and shall mandate forfeiture of Bid Performance Security to the City of Troy.*
34. **Return of Bid Security:** *The City shall return the security bond to bidders who do not receive the bid. The City shall hold the security bid bond of the awarded bidder until Capital Improvement Project is delivered to the City of Troy or a 100% percent performance bond is issued to the City for awarded contractual services or project construction.*
35. **CONTRACT PERFORMANCE AND BOND PAYMENT:** *When a bid is awarded for contractual services or construction, a bond shall be delivered to the City of Troy and shall become binding on the parties upon the execution of the contract; such bond shall be a performance labor and materials bond satisfactory to the City of Troy, executed by a surety company authorized to do business in the State of Illinois or otherwise secured in a manner satisfactory to the City of Troy, in the amount equal to one hundred percent (100%) of the price specified in the contract. The requirement may be modified upon recommendation of the City Administration, City Council and approved by the City Attorney.*
36. **CONTRACT TERM:** *The term of this contract shall be for the duration and completion of this project.*
37. **COMPLETION TIME:** *The Contractor will be required to commence work under this contract within **Ten (10)** calendar days after the date of receipt by him of the Notice to proceed, to prosecute said work diligently and to complete the work by **March 31st, 2022**. The Contractor is required to provide a sufficient work force and construction management so that no time extension will be granted for delay of contract award, weather conditions, utility conflicts, excavation encountering rock, changing excavation quantities, or Contractor scheduling of equipment or construction progress. The Contractor shall have a superintendent or a responsible foreman on the project at all times when construction is in progress. Any claim for extension of time shall be made in accordance with the City of Troy General Conditions and Technical Specifications. The project is not considered completed until final acceptance by the City of Troy.*
38. **STORAGE OF MATERAILS:** *The Contractor will be required to store all materials and equipment specified by the contract in a documented, "bonded warehouse" until such time as requested to be delivered to the site by installation contractor.*

SCOPE OF WORK

Project proposals shall include all labor, material, time, equipment, insurance, etc. for a complete Scope of Work outline below and per plans, specs, and other referenced documents listed in this bid set. Scope of Works consists of the following work items (which also includes all necessary and incidental materials, equipment and work required for the completed system in proper working condition):

1. SPLASH PAD/WATER PLAY AREA.

- a. Description: Splash Pad/Water Play Area to consist of imbedded, powder coated, ground spray features per the attached drawings and a complete recirculation system designed in accordance with all local and state regulations (including IDPH). Splash Pad/Water Play Area should consist of the following:
 - i. **Imbedded Water Play Fixtures** - Standard flow water play features
 - ii. **Recirculation System**
 1. **Cartridge Filtration Skid** - A pre-plumbed, pre-wired, integrated filtration equipment system mounted on an epoxy coated skid. The skid to consist of main system control panel, filtration pump with integral hair and lint strainer, automatic chemical treatment controller, gauges, and flow meter. Size filtration system per local codes based on design.
 2. **Chemical Treatment** – To consist of Liquid Chlorine Feeder, Liquid Acid Pump, and (2) Chemical Solution Crocks – Liquid Chlorine Crock to be housed within Mechanical room per drawings, Liquid Acid Crock to be located outside mechanical Room per drawings, provider to supply exterior, lockable aluminum chemical storage cabinet sized to contain acid crock and additional acid supplies accordingly. Chemical feed pumps shall be Blue and White Brand, peristaltic style, sized to appropriate feed rate for system. Chemical feed rates shall be automatic, determined by a chlorine and PH analyzer.
 3. **Feature Skid** - A pre-plumbed, pre-wired, integrated equipment system mounted on an epoxy skid. System to consist of a self-priming feature pump with integral hair and lint strainer, check valves, isolation valves, gauges, and flow switch. System to be capable of 100 gpm feature flow rates.
 4. **Distribution Manifold** - A distribution manifold for all water activities. Manifold to be connected (in the field) to feature pump discharge and have all discharge lines with manual flow control to water play elements.
 5. **Prefabricated Water Reservoir** - To consist of a 3000-gallon concrete vessel complete with access hatch, access ladder, venting pipes, floating skimmer, water level control float, overflow outlet, submersible pump out system, inlet loop manifold, filter, and feature pump foot valves, mounting hardware and all piping and electrical connections specific to project design.
 6. **Step Pad Activator** - To consist of a step pad activator with touch sensor that will signal control panel to activate feature supply system for set duration of time.
 7. **Control Panel – All on/Off** - To be a UL listed control panel that will provide complete operating system power distribution and system controls for an on/off recirculation system. Panel includes a programmable control system that will set hours of operation, duration of system run time, and activate water flow via a touch enabled activation device. Typical electrical requirements for ON/OFF recirculation systems are 230V 1Ph/60Hz and 120v 1Ph/60htz.
 8. **Collector Box** – To consist of a 18" diameter PVC basin with grate top. Each collector box has a nominal capacity of 250 gpm gravity supply to water containment vessel.
 9. **Rain Diverting Waste Valve Box** - To consist of an electric solenoid valve housed in a plastic burial housing that will allow for collector boxes to drain to waste when feature pumping system is not operating.
 - iii. **System Startup and Training** – Provide direct technician for (2) day of system startup, balancing, and owner training. (If contractor believes additional time will be required, the bid should be qualified as such with the additional time and cost listed separately.)

- iv. **Design, Construction Documents and Permitting** – Provide all design and construction drawings for splash pad project per the attached drawings. Construction drawings included within this bid document depict construction of concrete pad, mechanical system, electrical and control systems, imbed spray fixtures, collector box installation details, water play structure assembly/installation, and equipment systems installation and hookups. All construction drawings to be signed and sealed by licensed PE in State of Illinois (experienced in such systems design) and to be submitted on behalf of the City of Troy to applicable State and Local Agencies for review and approval. Detailed site and grading plans to be provided by the City of Troy for inclusion into the IDPH submittal. Include cost of IDPH permit submittal within bid price.
- v. **Alternative Items:**
 - 1. **Filtration System Upgrade – Sand Filter** – In lieu of cartridge filters, provide sand filter sized for splash pad design and local/state requirements
 - 2. **Filtration System Upgrade – UV Disinfection System** - To consist of a Delta UV disinfection unit that is UL listed, NSF certified, and cryptosporidium evaluated, and EPA registered. Unit has electrical controller that has UV monitors. Unit to be capable of the filtration flow rate of 85 gpm.

2. Nature Based Play Features:

- a. Description: Nature Inspired Play Area to consist of freestanding nature inspired play features constructed of natural wood products or FRC (fiberglass reinforced concrete) molded to emulate nature wood. Nature inspired Play Area to consist of the following:
 - i. Nature Inspired Play Features
 - 1. Log Crawl Tunnel –
 - 2. Log Steppers (Various Heights)
 - 3. Log Balance Beam – Approximate size 12” (h) x 98” (l)
 - 4. Rock Climber – Max fall height 54”
 - ii. Playground Surfacing
 - 1. Base Bid - Playground Mulch – Engineered Wood Fiber (EWF) conforming to requirements specified in attached drawings.
 - 2. Alternate Bid – Poured in Place rubber conforming to the requirements specified in attached drawings.

City of Troy, IL

Bid Form

SUBMITTED BY: _____

(Company Name)

The pricing information is hereby provided in accordance with the Terms and Conditions of this **Request for Bid**. *Provide the cost for each bid item listed.*

Bid item	Description	Cost
1	Splash Pad Play Fixtures and Recirculation Equipment	
2	Splash Pad Design, Construction Documents and Permitting	
3	Nature Based Playground Equipment	
	a. Log Stepper – 8” (4 total)	
	b. Log Stepper – 18” (6 total)	
	c. Log Stepper – 28” (2 total)	
	d. Log Crawl Tunnel (1 total)	
	e. Rock Climber (1 total)	
	f. Log Balance Beam (1 total)	
4	Playground Mulch (800 sq. ft. approx., sized for proposed playground equipment)	
	<u>Total Base Bid Items</u>	
Alt. 1	Filtration System Upgrade - Sand Filter	
Alt. 2	Filtration System Upgrade - UV Disinfection	
Alt. 3	Poured in Place Rubber Surfacing (800 sq. ft. approx., sized for proposed playground equipment)	

Onsite Visit Made by: NOT REQUIRED	Date	
Upon notice to proceed, contractor will complete the project in (calendar days)		
Bid Security enclosed: (10% of total bid)		

The City of Troy reserves the right to accept or refuse any or all bids. Each Bid will be scored based on the following criteria: Play Value of Splashpad Design (25%), Play Value of Nature Based Playground (20%), Quality of Materials (20%), Cost (15%), Project Experience/References (15%), and Schedule (5%).

RETURN WITH BID

VENDOR REFERENCES:

The proposal must include the following information:

1. List at least three (3) references for whom you have performed similar products/services for other public entities, local governments or private companies.

Company Name: _____ Address: _____

_____ Contact _____

Person: _____

Telephone #: () _____

Company Name: _____ Address: _____

_____ Contact _____

Person: _____

Telephone #: () _____

Company Name: _____ Address: _____

_____ Contact _____

Person: _____

Telephone #: () _____

2. State how long you have been operating under your present company name?

3. Have you ever defaulted on a contract? _____

If so, where and why? _____

RETURN WITH BID

City of Troy
“No-Bid Response Form”
Splash Pad Design and Permitting/Playground Equipment

COMPLETE AND RETURN THIS FORM ONLY IF YOU DO NOT WANT TO SUBMIT A PROPOSAL RESPONSE.

If you do not wish to respond to this proposal request, but would like to remain on the City of Troy vendor list, please fill out this form and return to the Administration Office by email.

RETURN TO: Robert Hancock, Public Works Director
Email: rhancock@troyil.us

We the undersigned have declined to bid on your proposal for the following reasons:

- Insufficient time to respond to invitation for bid.
- We do not offer this product/s or equivalent.
- Unable to meet specifications.
- Unable to meet insurance requirements.
- Our schedule would not allow us to perform.
- Specifications are to “tight”, i.e. geared towards one brand or manufacturer.
- Specifications unclear.
- Other (please specify below).

Comments: _____

VENDOR INFORMATION:

Company Name: _____
Signature and Title: _____
Phone #: _____
Email: _____

RETURN WITH BID

NATURE INSPIRED PLAYGROUND EQUIPMENT SPECIFICATION (DESCRIPTION)

1. PLAYGROUND DESIGN SHOWN IS FOR REFERENCE ONLY AND DEPICTS THE MINIMUM LEVEL OF PLAY FEATURES DESIRED FOR THIS PLAYGROUND. DESIGN BASED ON LSI (LANDSCAPE STRUCTURES) NATURED INSPIRED STAND ALONE PLAY FEATURES. ALTERNATIVE FEATURES WILL BE ALLOWED INCLUDING USE OF NATURAL LOGS AND STONES MATERIALS PROVIDED DESIGNS MEET DESIGN STANDARDS LISTED BELOW.
2. THE TOTAL BUDGET FOR ALL PLAYGROUND EQUIPMENT DELIVERED TO SERENADE PARK IS \$45,000. BIDDERS ARE EXPECTED TO DESIGN TO THE FULL BUDGET AMOUNT. BIDDERS SHALL PRICE ALL PLAYGROUND EQUIPMENT AS SURFACE MOUNTED WHERE FEASIBLE AND DIRECT BURIAL IN CONCRETE FOOTING AS REQUIRED BY EACH PIECE OF EQUIPMENT.
3. THE PLAYGROUND COMPONENTS SHALL ALLOW FOR THE ACCESS OF INDIVIDUALS WITH DISABILITIES ONTO THE EQUIPMENT BY MEANS DEFINED AS ACCEPTABLE ACCORDING TO THE CURRENT OUTDOOR GUIDELINES OF THE AMERICANS WITH DISABILITIES ACT (ADA).
4. ALL EQUIPMENT SHALL MEET THE GENERAL GUIDELINES FOR NEW AND EXISTING PLAYGROUNDS AND TECHNICAL GUIDELINES FOR EQUIPMENT, AS ESTABLISHED BY THE U.S. CONSUMER PRODUCTS SAFETY COMMISSION (CPSC) AND AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM).
5. INSTALLATION OF THE EQUIPMENT WITH FOOTINGS AND PLAYGROUND SURFACING (EXCEPTION OF ALT. 3 - POURED-IN-PLACE SURFACING) WILL BE INCLUDED IN A SEPARATE SITE WORK BID PACKAGE BY A CERTIFIED INSTALLER OF THE SELECTED PLAYGROUND MANUFACTURER.

PLAYGROUND EQUIPMENT REQUIREMENTS/DESCRIPTION:

LOG BALANCE BEAM DB ONLY

FASTENERS: PRIMARY FASTENERS SHALL BE SOCKETED AND PINNED TAMPERPROOF IN DESIGN, STAINLESS STEEL (SST) PER ASTM F 879 UNLESS OTHERWISE INDICATED (SEE SPECIFIC PRODUCT INSTALLATION/SPECIFICATIONS). LOG BALANCE BEAM ASSEMBLY: WELDMENT COMPRISED OF 1 900" (48.26 MM) O.D. RS20 (.090"- .100") (2.28 MM-2.54 MM) WALL GALVANIZED STEEL TUBING AND 2.375" (60.33 MM) O.D. RS20 (.095"- .105") (2.41 MM-2.66 MM) WALL GALVANIZED STEEL TUBING. FINISH: PROSHIELD, BROWN IN COLOR. (LOG-FULLY ASSEMBLED) GLASS REINFORCED WET CAST SOLID POUR CONCRETE PRODUCT. FINISH: LATEX PAINT MADE FOR CONCRETE, NATURAL COLORS. LEG: FABRICATED FROM 2.375" (60.33 MM) O.D. RS20 (.095"- .105") (2.41 MM-2.66 MM) WALL GALVANIZED STEEL TUBING. FINISH: PROSHIELD, BROWN IN COLOR.

LOG STEPPER 8"HEIGHT DB ONLY

LOG STEPPER ASSY.: (FOOTER POST) WELDMENT COMPRISED OF 5" (127 MM) O.D. X 11 GA. (.120") (3.04 MM) WALL GALVANIZED STEEL TUBING AND 3/16" (4.75 MM) HRPO STEEL PLATE. FINISH: PROSHIELD, COLOR SPECIFIED. (LOG STEPPER-FULLY ASSEMBLED) GLASS REINFORCED WET CAST SOLID POUR CONCRETE PRODUCT. FINISH: LATEX PAINT MADE FOR CONCRETE, NATURAL COLORS.

LOG STEPPER 18"HEIGHT DB ONLY

LOG STEPPER ASSY.: (FOOTER POST) WELDMENT COMPRISED OF 5" (127 MM) O.D. X 11 GA. (.120") (3.04 MM) WALL GALVANIZED STEEL TUBING AND 3/16" (4.75 MM) HRPO STEEL PLATE. FINISH: PROSHIELD, COLOR SPECIFIED. (LOG STEPPER-FULLY ASSEMBLED) GLASS REINFORCED WET CAST SOLID POUR CONCRETE PRODUCT. FINISH: LATEX PAINT MADE FOR CONCRETE, NATURAL COLORS.

LOG STEPPER 28"HEIGHT DB ONLY

LOG STEPPER ASSY.: (FOOTER POST) WELDMENT COMPRISED OF 5" (127 MM) O.D. X 11 GA. (.120") (3.04 MM) WALL GALVANIZED STEEL TUBING AND 3/16" (4.75 MM) HRPO STEEL PLATE. FINISH: PROSHIELD, COLOR SPECIFIED. (LOG STEPPER-FULLY ASSEMBLED) GLASS REINFORCED WET CAST SOLID POUR CONCRETE PRODUCT. FINISH: LATEX PAINT MADE FOR CONCRETE, NATURAL COLORS.

LOG CRAWL TUNNEL DB ONLY

LOG CRAWL TUNNEL ASSEMBLY: WELDMENT COMPRISED OF 1 900" (48.26 MM) O.D. RS20 (.090"- .100") (2.29 MM-2.54 MM) WALL GALVANIZED STEEL TUBING, 3/16" HRPO STEEL PLATE AND 7" X 3" X 3/16" (178 MM X 76 MM X 4.75 MM) WALL RECTANGULAR TUBE. (LOG CRAWL TUNNEL ASSEMBLED) GLASS REINFORCED WET CAST SOLID POUR CONCRETE PRODUCT. FINISH: LATEX PAINT MADE FOR CONCRETE, NATURAL COLORS.

'THE POINTE' ROCK CLIMBER

THE POINTE ASSY.: (BASE) WELDMENT COMPRISED OF 7 GA. (.179") (4.54 MM) HRPO SHEET STEEL, C8 X 13.75 STEEL CHANNEL, 3" X 1 1/2" X .120" (76 MM X 38.1 MM X 3.04 MM) WALL GALVANIZED STEEL TUBE AND 1 1/8" (28.58 MM) SQUARE BAR. FINISH: PROSHIELD. (POINTE-FULLY ASSEMBLED) CASTINGS ARE MADE FROM GLASS FIBER REINFORCED CONCRETE (GFRC). GLASS FIBER IS ALKALI RESISTANT (AR) TYPE GLASS FORMULATED FOR CONCRETE. NOMINAL WALL THICKNESS OF 1" (25 MM) AND WEIGHS ABOUT 11 1/2 LBS. (5.22 KILOGRAMS) PER SQUARE FOOT. CASTINGS HAVE A STRENGTH OF 1,500 LBS. (680.39 KILOGRAMS) PER SQUARE INCH IN TENSION AND 5,000 LBS. (2267.96 KILOGRAMS) PER SQUARE INCH IN COMPRESSION. FINISH: ACID STAIN AND LATEX PAINT MADE FOR CONCRETE, NATURAL IN COLOR. ROCK POCKET COVER: FABRICATED FROM 13 GA. (.090") (2.29 MM) HRPO FLAT STEEL CONFORMING TO ASTM A1011. FINISH: ZINC PLATE WITH YELLOW CHROMATE FINISH.

PLAYGROUND SURFACING REQUIREMENTS - ENGINEERED WOOD FIBER (EFW):

SUMMARY:

- A. DESCRIPTION: THE WORK SPECIFIED IN THIS SECTION CONSISTS OF THE REQUIREMENTS OF ENGINEERED WOOD FIBER IN ACCORDANCE WITH THESE SPECIFICATIONS, AND IN CONFORMITY WITH THE DIMENSIONS AND NOTES SHOWN IN THE PLANS.
- B. QUALITY ASSURANCE AND COMPLIANCE DETAILS
1. ACCESSIBILITY OF SURFACE SYSTEMS - ASTM F1951: DETERMINATION OF ACCESSIBILITY OF SURFACE SYSTEMS UNDER AND AROUND PLAYGROUND EQUIPMENT.
 2. IMPACT ATTENUATION - ASTM F1292: IMPACT ATTENUATION OF SURFACE SYSTEMS UNDER AND AROUND PLAYGROUND EQUIPMENT.
 3. STANDARD FOR ENGINEERED WOOD FIBER - ASTM F2075: MINIMUM CHARACTERISTICS FOR THOSE FACTORS THAT DETERMINE PARTICLE SIZE, CONSISTENCY, PURITY AND ABILITY TO DRAIN.
 4. IPEMA CERTIFICATION: MANUFACTURER MUST PROVIDE PROOF OF CERTIFICATION. IN THE INTEREST OF PUBLIC PLAYGROUND SAFETY, IPEMA PROVIDES AN INDEPENDENT LABORATORY WHICH VALIDATES A MANUFACTURER'S CERTIFICATION OF CONFORMANCE TO ASTM F1292 AND ASTM F2075.
- C. MATERIAL DATA:
1. PRODUCT IS MANUFACTURED OF A GROUND WOOD FIBER COMPRISED OF SOFTWOODS AND/OR HARDWOODS, CONSISTING OF RANDOMLY SIZED WOOD FIBERS THE MAJORITY OF WHICH DO NOT EXCEED 2" IN LENGTH AND NO MORE THAN 15% FINES TO AID IN COMPACTION. PRODUCT TO HAVE MINIMAL BARK AND TO BE FREE OF TWIGS, LEAF DEBRIS AND OTHER ORGANIC MATERIAL. PRODUCT DEPTH, AFTER INSTALLATION, MUST BE IN ACCORDANCE WITH THE PROCEDURE DESCRIBED IN ASTM F1292 AND MEET GUIDELINES FOR CRITICAL HEIGHT AS SET FORTH BY THE CONSUMER PRODUCT SAFETY COMMISSION FOR USE OF WOOD PRODUCTS FOR PROTECTIVE SURFACING.

PLAYGROUND SURFACING REQUIREMENTS - POURED IN PLACE RUBBER:

SUMMARY:

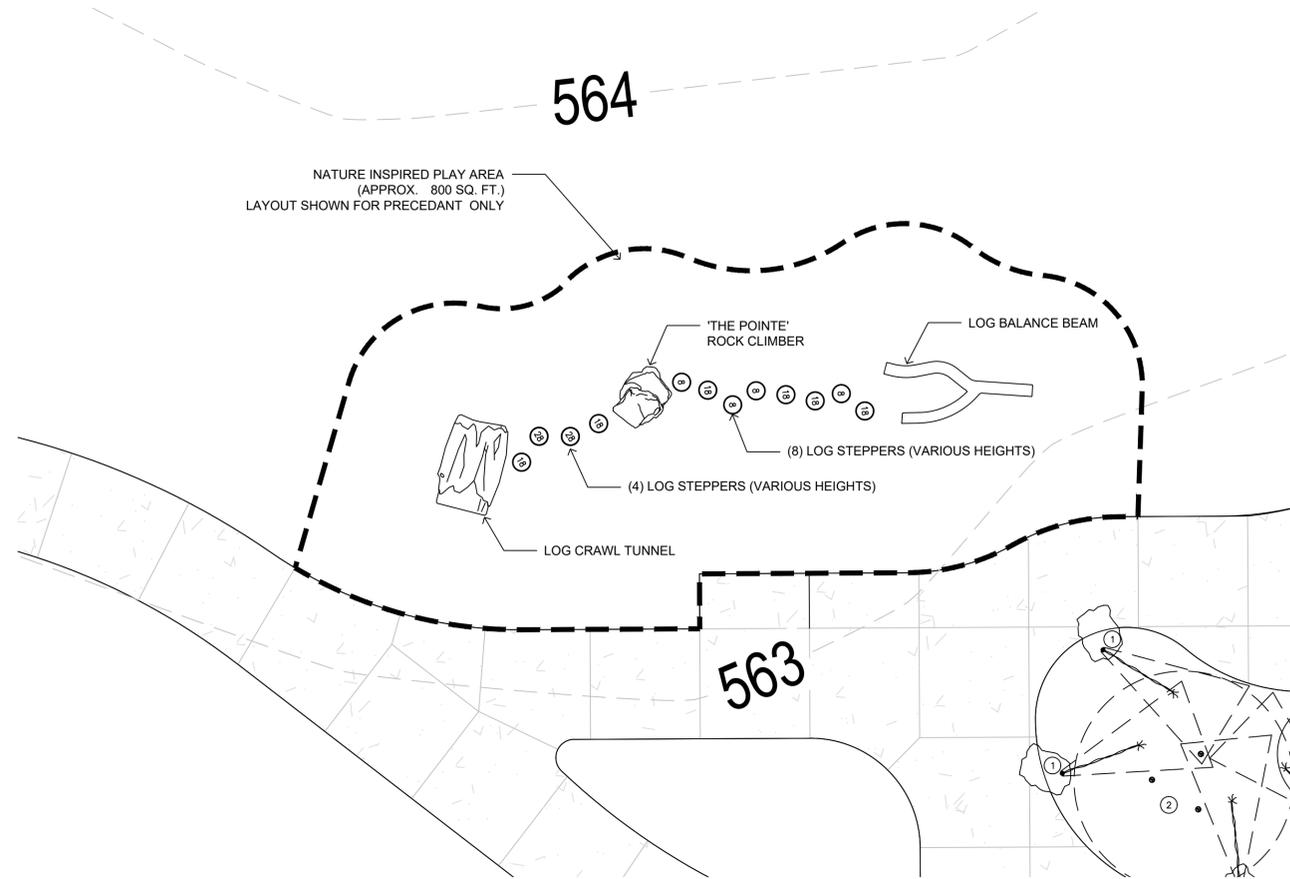
- A. DESCRIPTION: THE WORK SPECIFIED IN THIS SECTION CONSISTS OF THE REQUIREMENTS OF POURED-IN-PLACE RUBBER SURFACING SYSTEM IN ACCORDANCE WITH THESE SPECIFICATIONS, AND IN CONFORMITY WITH THE DIMENSIONS AND NOTES SHOWN IN THE PLANS.
- B. QUALITY ASSURANCE AND COMPLIANCE DETAILS
1. ACCESSIBILITY OF SURFACE SYSTEMS - ASTM F1951: DETERMINATION OF ACCESSIBILITY OF SURFACE SYSTEMS UNDER AND AROUND PLAYGROUND EQUIPMENT.
 2. IMPACT ATTENUATION - ASTM F1292: IMPACT ATTENUATION OF SURFACE SYSTEMS UNDER AND AROUND PLAYGROUND EQUIPMENT.
 3. IPEMA CERTIFICATION: MANUFACTURER MUST PROVIDE PROOF OF CERTIFICATION. IN THE INTEREST OF PUBLIC PLAYGROUND SAFETY, IPEMA PROVIDES AN INDEPENDENT LABORATORY WHICH VALIDATES A MANUFACTURER'S CERTIFICATION OF CONFORMANCE TO ASTM F1292 AND ASTM F2075.
- C. MATERIAL DATA:
1. SURFACE AMERICA INC. - PLAYGROUND POURED-IN-PLACE SYSTEM OR APPROVED EQUAL.
 2. PROVIDE A 2-LAYER RUBBER-URETHANE PLAYGROUND SURFACING SYSTEM THAT MEETS OR EXCEEDS THE SPECIFIED PRODUCT.
 3. DEPTH BASED ON FALL HEIGHT OF PROPOSED EQUIPMENT.
 4. WARRANTY: 10 YEAR FROM DATE OF COMPLETION

PROJECT REQUIREMENTS:

SUMMARY

- A. DESCRIPTION: PLAYGROUND BID PACKAGE TO INCLUDE THE FOLLOWING:
1. ALL GENERAL CONDITIONS
 2. ALL PLAY EQUIPMENT AND MOUNTING HARDWARE
 3. ALL REQUIRED USE SIGNAGE
 4. STORAGE OF EQUIPMENT AND MATERIALS IN DOCUMENTED, "BONDED WAREHOUSE" AND DELIVERY OF ALL EQUIPMENT TO THE SITE
 5. WARRANTY INFORMATION: PLAYGROUND EQUIPMENT SHOULD BE WARRANTIED FOR A MIN. 10 YEARS
 6. THE PROPOSAL SHALL INCLUDE ALL NECESSARY CATALOG INFORMATION, 3-D IMAGE, AND EQUIPMENT DESIGN LAYOUT.
- B. PLAY AREA DESIGN CONSIDERATIONS:
1. STAND-ALONE PLAY FEATURES SHOULD BE NATURE INSPIRED AND PROVIDE A UNIQUE PLAY OPPORTUNITY WITHIN THE CITY OF TROY, ILL. EXAMPLES INCLUDE CLIMBERS, BALANCE BEAMS, STEPPERS, DISCOVERY ELEMENTS, ETC.
 2. THE USE OF TRADITIONAL PLAY STRUCTURES IS NOT ALLOWED.
 3. ALL COMPONENTS SHOULD MEET STANDARDS AND GUIDELINES FOR ADA AND SAFETY COMPLIANCE.
- C. SUBMITTALS
1. SUBMITTALS WILL BE JUDGED BASED ON CREATIVITY, PLAY VALUE BASED ON BUDGET, AND DESIGN COMPATIBILITY WITH THE SURROUNDING PARK GROUNDS.
 2. STATE AND DEFINE ALL APPLICABLE WARRANTIES AS THEY APPLY TO SEPARATE COMPONENT GROUPINGS.
 3. BID PRICES SHALL INCLUDE THE PURCHASE, STORAGE, AND FREIGHT OF ALL PLAYGROUND EQUIPMENT TO THE SERENADE PARK PLAYGROUND PROJECT SITE.
 4. PROJECT MATERIAL SPECIFICATIONS, CATALOG CUTS EQUIPMENT DESIGN LAYOUT, ETC.

*THE CITY OF TROY RESERVES THE RIGHT TO NEGOTIATE ACTUAL COMPONENT, PANEL, BARRIER, ROOF, GUARDRAIL, AND COLOR SELECTION AFTER SELECTION OF MANUFACTURER IN ORDER TO CUSTOMIZE PLAY UNIT. ANY AND/OR ALL STAND-ALONE EQUIPMENT SELECTIONS MAY BE NEGOTIATED OR ELIMINATED FROM THE PROJECT AFTER AWARD OF CONTRACT TO SUCCESSFUL BIDDER. INCLUDE ALL HARDWARE, SUPPORTS, HANDHOLDS, AND OTHER COMPONENTS NECESSARY FOR THE COMPLETE AND PROPER INSTALLATION OF THIS EQUIPMENT. ALL EQUIPMENT, COMPONENTS, AND MATERIALS MUST COMPLY WITH CONSUMER PRODUCT SAFETY COMMISSION (CPSC) GUIDELINES FOR PLAYGROUND EQUIPMENT AND WITH THE AMERICAN SOCIETY FOR TESTING MATERIALS APPLICABLE GUIDELINES AND REGULATIONS FOR ALL MATERIALS USED IN THE MANUFACTURE OF PLAYGROUND EQUIPMENT. FAILURE TO COMPLY WITH CPSC AND ASTM GUIDELINES WILL BE CONSIDERED A FAILURE TO MEET SPECIFICATIONS AND VOID THE BID. THE CITY OF TROY RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS RECEIVED.



PLAYGROUND SITE PLAN



LOG BALANCE BEAM



LOG STEPPERS (VARIOUS HEIGHTS)

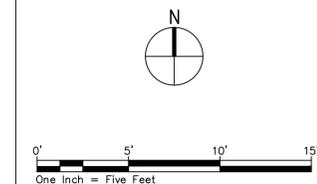


LOG CRAWL TUNNEL



ROCK CLIMBER

SCALES



PRELIMINARY NOT FOR CONSTRUCTION

NAME: DISCIPLINE: LICENSE NO: EXPIRATION DATE: CERT. OF AUTHORITY: EXPIRATION DATE: COMPANY INFO: P.O. BOX 179279 ST. LOUIS, MO 63117 PHONE: 314.241.3600

SERENADE PARK CITY OF TROY NATURE INSPIRED PLAYGROUND PLAN, SPECIFICATION, AND IMAGERY

NO.	DATE	REVISION

THIS DRAWING AND DETAILS ON IT, AS AN INSTRUMENT OF SERVICE, IS THE PROPERTY OF PDS OR ITS CONSULTANTS AND MAY BE USED FOR THIS SPECIFIC PROJECT ONLY AND SHALL NOT BE LOANED, COPIED OR REPRODUCED WITHOUT THE CONSENT OF PDS.

DATE: December 6, 2021

DESIGNED: J. NILGES DRAWN: J. CORBETT CHECKED: J. NILGES

PDS PROJECT NO: J.2115

SHEET 2 OF 3

L-102

