INTRODUCTORY:

This second addendum is being issued to:

- Provide the meeting minutes of the non-mandatory pre-submittal conference
- Respond to questions raised during the pre-submittal conference
- Prioritize Owner’s desired features for budgetary purposes
- Revise Appendix ‘C’ ~ Price Proposal Form, and
- Revise Appendix ‘A’ ~ Design Criteria Package

Note that among other changes, the concept plan included herewith (see revised Design Criteria Package, Appendix ‘A’) reduces the minimum wetted area of the splash pad to 1,200 sq. ft., omits the dry playground area, includes burial of a section of high-tension electrical lines; and includes construction of the trolley pavilion structure.

This pavilion structure was previously designed as part of the Town Square project completed in July 2020 and is proposed to be located due west of the existing restrooms as shown on the revised concept plan. The architectural drawings for that pavilion (which include structural and electrical) will be released through a future addendum; the successful design-build firm will be responsible for providing signed and sealed drawings for permitting.

Non-mandatory Pre-submittal Conference held August 25, 2020 at 1:00 p.m.:
Attachment 1: Sign-in sheets
Attachment 2: Meeting Agenda

Discussion: A revised version of the concept plan was presented followed by a voluntary on-site meeting. Questions raised and key discussion items are addressed as follows:

1) Multi-Use area – What is the required surface material? **PAVERS**
2) On-street parking along NE 5th Street – to be earth or asphalt? **ASPHALT**
3) Town Square Restroom – Is this structure greater than 200 ft from the proposed splash pad? NO

4) Splash pad electrical equipment: During the pre-submittal conference, City staff initially stated that all hardware and electrical components are required to be above the pending FEMA change to 11.0 NAVD88 flood plain elevation at this location (which would be some 8' above existing grade). However, further discussion with contractors identified that this may not be required. Design-build team is to research the matter and design to satisfy applicable codes.

5) An Environmental Resource permit will be required by the SWFWMD for this project. The jurisdictional wetland lines have been established and agreed upon by the regulatory agencies. An average 25’ buffer (15’ minimum) will be required to the wetland line.

6) Town Square transformer – A 2-inch conduit was installed out of the CT cabinet to accommodate power to the new Splash pad. Available power at transformer is 240V, single phase.

7) The revised concept plans depicts existing water and sanitary sewer lines. A sanitary lateral will most likely have to be cut into the sanitary main by the design-build firm as part of the project.

8) Splash pad spray patterns – ground spray only; City will consider some with angled fan pattern affixed to seat wall.

9) Splash pad lights – Is lighting to be provided on each spray nozzle? YES

10) Splash Pad size – due to budgetary constraints, the minimum wetted area has been reduced from 2,000 to 1,200 sq. ft.

11) Overhead electric – The concept plans identify a section of overhead electric service to be installed underground. The successful firm will be required to handle coordination with Duke Energy and pay for all costs associated with the direct burial.

12) Splash pad elevation – The elevation is anticipated on being slightly higher than natural grade and designed such that positive stormwater discharge is provided at the perimeter directing runoff away from the splash pad.

13) Shade structures and trolley pavilion design – Note that in response to a suggestion from a contractor, the concept plan has been revised to depict several small shade structures at the splash pad in lieu of the previously shown single large pavilion. The trolley pavilion to be located west of the existing restrooms has been added to the scope and has already been designed (see introductory section above).

14) Priority of owner’s desires from a budgetary standpoint:
   I. Splash pad, shade structures, multi-use event area, gathering area, seat walls, and connector walkways.
   II. Pavilion for trolley stop in Town Square
   III. On-street parking along NE 5th St.

Please replace Appendix ‘A’ of the RFP with the attached revised Design Criteria Package.

Please replace Appendix ‘C’ of the RFP with the following:
The City reserves the option to accept or remove any item listed above

<table>
<thead>
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<th>ITEM DESCRIPTION</th>
<th>Cost</th>
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<tr>
<td>Splash Pad</td>
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<td>Splash Pad- recirculation system</td>
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<td>Splash Pad- flush mounted jets/fountains</td>
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<td>Splash Pad- surfacing</td>
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<td>Security &amp; Safety</td>
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<td>Concrete Seat Walls</td>
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<td>Jack Dumas</td>
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<tr>
<td>Janis Shanley</td>
<td>VP, MKTG.</td>
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<tr>
<td>Justin Carroll</td>
<td>Eng.</td>
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<tr>
<td>Chris Donnelly</td>
<td>President/Architect Donnelly Architecture</td>
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<tr>
<td>Michele Mellin</td>
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<tr>
<td>Bud Daly</td>
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<td>Scott Johnston</td>
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<td>Sunny Andrews</td>
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<td>Esteban</td>
<td>Director of Field Services</td>
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<td>Pete Dawson</td>
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<td>Jose Diaz</td>
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NON-MANDATORY PRE-SUBMITTAL CONFERENCE AGENDA
20-RFP-08 Crystal River Splash Park Design-Build
Date: August 25, 2020 ~ 1:00 p.m.

- Distribute sign-in sheet
- Introductions
- Two step process --- qualifications/experience followed by technical and cost proposals
- All questions must be submitted in writing
- Cone of Silence
- Addendum #1 issued 8/7; establishes a new timeline; Step #1 responses due 9/15 by 3 p.m
- Addendum #2 forthcoming; revised DCP (agenda, minutes, concept plan, narrative, proposal form)
- Revised Concept Plan
  - Playground is proposed to be omitted subject to FDEP grant approval
  - Trolley shade pavilion has been added to scope
  - Splash Pad/Event/Gathering areas
  - Focal signs --- three locations
  - Pedestrian walkways connect trail to Town Square and NE 5th St.
  - FDEP grant project sign
  - Equipment screening --- three-sided affair with roof
  - Proposed electric burial
  - On-street and golf cart parking NE 5th St.
- Existing Restrooms (DOH variance may be required)
- SWFMWD ERP permitting will be required; jurisdictional wetlands lines have been established
- FEMA flood elevation increases to 11.0 on 1/15/21; natural grade is about 3 in this area; electric
- Q and A
- Optional Site Visit
APPENDIX ‘A’

DESIGN CRITERIA PACKAGE
(Addendum No. 2 --- Revised 27Aug2020)

DESIGN-BUILD SERVICES FOR THE
CRYSTAL RIVER SPLASH PARK PROJECT
Solicitation No. 20-RFP-08

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SECTION 1
SCOPE OF WORK

SW-1. PROJECT DESCRIPTION:

The purpose of this solicitation is to establish a one-time contract with a design-build firm to provide all labor, administration, design, equipment, materials, permitting and construction of a splash pad, walkways, trolley pavilion, shade structures, on-street parking, site lighting, and associated facilities. The facility is intended to be a focal point of downtown by creating a promenade from Citrus Ave leading to the City’s water tower.

The intent is for the splash pad to serve as both a visual feature and an inviting children’s play area. Features shall promote areas of multiple children playing together while using the splash pad but also have the ability to serve as a “dry” civic area when the splash pad is not operating. The splash pad shall be approximately 1,200 (min) square feet of wetted surface, with adjacent overspray area, and will be located just west of the City’s water tower.

Respondents who progress to the Step 2 phase of this solicitation shall submit a cost proposal which shall not exceed $600,000.00 accompanied by a conceptual design which includes equipment listing and specifications, piping layout with sizing, and water spray feature layout with specifications. The cost for design/permitting and construction for the related site improvements shall also be included in this Contract. The design-build firm shall be responsible for final grading within the limits of the splash pad and related improvements construction. Respondents may submit more than one conceptual plan with their proposal.

Development is in a high wind and flood zone. Design should facilitate no loss of function if splash park is subjected to these design events.

Desired features for the splash pad include multiple variations of ground spray nozzles with LED lighting and controller that can operate the nozzles independently of each other.

SW-2. PROJECT REQUIREMENTS:

Successful respondent will design the pad surface, water features and all equipment. Successful respondent will also furnish and install all materials and equipment shown on the Concept Drawings (Concept drawing does not depict all the required improvements of this project). Design elements will conform to the specifications included in this document. The design-build team will provide signed and sealed drawings and specifications needed to acquire a building permit and Department of Health Commercial Swimming Pool Permit. Design-build team will be responsible for obtaining any variances required from the Department of Health for the final splash pad design.

Design-build team shall revise any drawings as requested by regulatory agencies. Revisions to drawings will be made at no additional cost to the City. Design-build team shall provide as-built drawings upon completion of the project at no additional cost to the City.

Acceptable installers shall have a minimum 3-years’ experience in installing similar equipment on similar size and type projects, including at least one (1) project in Florida.

The successful respondent is responsible for design and permitting of all aspects of this project to include the overspray area, splash pad, sidewalks, parking, site lighting, sidewalks, grading and drainage.
Successful respondent shall provide training to City staff to ensure proper long-term operation, consisting of a minimum of 40 hours of on-site training.

**SW-3. SPLASH PAD EQUIPMENT MANUFACTURERS:**

Acceptable manufacturers for the splash pad equipment shall be WaterPlay, Rain Drop, Vortex, AquaWorx, or Owner approved equal. Final drawings for the splash pad, piping and equipment shall be provided by the manufacturer chosen by the design-builder.

**SW-4. GENERAL SPLASH PAD DESIGN REQUIREMENTS:**

The desire is to create a splash pad akin to an interactive fountain with flush-mounted spray nozzles only so that the area can serve as a “dry” civic area when the splash pad is not operating (a representative example of the City’s intent is the City of Winter Garden’s Downtown Interactive Fountain and Splashpad).

Design shall meet all applicable code requirements; including, but not limited to, Florida Administrative Code (FAC) 64E-9 and Florida Building Code Section 454. Design will include, but is not limited to:

a. Design of re-circulating system, including pumping, filtration and chemical and UV disinfection (City will consider flow-through option for irrigation reuse or groundwater recharge in lieu of recirculation system).

b. Zero contained depth with gravity flow, non-suction drains.

c. Components to be all flush mounted spray fixtures that can be interchanged with above ground features to allow for future design variety.

d. Components design and colors should supplement or complement existing Town Square improvements.

e. No more than 4 features shall be fed by one supply line.

f. Total combined flow capacity for pad shall be 600 gallons per minute or greater unless design dictates otherwise.

g. Ability for City personnel to change play times and scenarios.

h. Complete automated control, to include activators for each play area.

i. 4-foot high, aluminum, powder coated fencing around the pad, equipment, and seating areas with a gated entrance, and gates into equipment area.

j. Foot and body shower.

k. ADA compliant throughout the splash pad area.

l. Water Features shall be designed to conform to all requirements of public health and state departments, WWA Considerations of Operating Safety, published by World Water Park Association, National Electric Code, and American Society of Testing of Materials, and applicable state and local building codes.

m. Swim diaper vending machine, located outside gate into splash pad.

n. Splash Pad coating shall be concrete with up to three colors

o. Overspray area coating

**SW-5. RECIRCULATION SYSTEM REQUIREMENTS:**

If recirculation method of water management is proposed to be used, the Recirculation System shall consist of filtration, disinfection (including UV), and pumping. The system must be in compliance with all State and Local Department of Health, Building Code, and other standards and must include at a minimum, the following parameters:

a. Reservoir / Holding Tank:
i. Size shall be sufficient in usable water volume of a minimum 5 times the maximum combined feature and filter flow rate.
ii. Tank lid shall open to expose 100% of the surface area.
iii. Automatic freshwater fill and water leveling device.
iv. Non-corrosive polymer access ladder
v. NSF certified vacuum cartridge filter elements connected to pump suction lines sized for 100% filtration of both filter and feature pump flow capabilities. Elements must have means of easy removal, cleaning and replacement. A spare set of vacuum cartridge elements shall be provided.

b. Recirculation System Enclosure/Covered Housing:
i. A ventilated enclosure/covered housing must be provided for the recirculation equipment and controls. Enclosure/Covered Housing must meet all code requirements an allow unobstructed access to all equipment for operation and maintenance. Adequate storage for chemicals must be provided adjacent to or within the enclosure and must include all required safeguards and be protected from access by the public. Chemical storage shall be oriented on the site to provide access for deliveries and servicing.
ii. Complete filtration assembly must be certified U.L. 1081 standard.

c. Filtration Equipment:
i. All internal filtration components must be NSF50 International certified.
ii. Feature pump shall be sufficient to operate all spray features at once and activated by a common touch sensor.
iii. Water chemistry shall be regulated by an approved chemical controller which shall be electronically interlocked with both the filter and feature chemical feed systems. Chemical feed to the feature discharge line shall be halted when flow is stopped. All feeding of chemicals shall be halted if the filter flow is stopped.
iv. Chemical crocks shall be securely contained.

d. Control System:
i. All controllers must be touch programmable with on screen prompts and menu. Controllers must be certified by Underwriters Laboratory (U.L.)
ii. Controllers must perform, at a minimum, the following functions:
iii. Control the pad days and hours of operation and timer activation feature:
   a) Control activation and sequencing of all spray features without limits to times or patterns
   b) Monitor, display and control water chemistry

c. Commissioning:
i. Equipment manufacturer shall provide a factory representative to arrive onsite after all construction, utility connection and site work has been completed to review the installation of the equipment and to initiate functional operation of the system.
ii. The equipment manufacturer shall provide a minimum of 6 hours of instruction and training (2 days, 3 hours/day) to the facilities designated maintenance team on the procedures required to keep the equipment functioning properly.

SW-6. PREFERRED MATERIALS FOR SPLASH PAD & RECIRCULATION SYSTEM:

Respondent may propose equivalent substitutes (with a deduct from the base bid).

a. Equipment shafts, base plates and bodies: 304 Stainless Steel.
b. Anchor assemblies and bodies: 304 Stainless Steel
c. Fasteners; stainless steel and tamper resistant.
d. Nozzles; stainless steel.
e. Dynamic sequencing control.
f. Fast acting solenoids.

**SW-7. GENERAL CIVIL/SITE DESIGN REQUIREMENTS:**

The project shall include civil/site improvements to insure a fully functioning facility. Civil/Site improvement design and colors should supplement or complement existing Town Square improvements. Site improvements shall include, but may not necessarily limited to the following:

- a. Demolition/Clearing of the site
- b. Parking and Driveways. Proposed pavement areas shall be 1-1/2” SP9.5 asphalt, 6” compacted limerock base, 12” stabilized subgrade
- c. Curbs and Sidewalks. Sidewalks shall be minimum 5 ft wide and 4” thick WWF reinforced (6” thick if exposed to vehicular load). Curbs shall be 6” header curb
- d. Drainage. Inlets shall be precast concrete inlets meeting FDOT standards and drains shall be reinforced concrete pipe (RCP)
- e. Grading and Earthwork
- f. Concrete Seat Wall (cast-in-place)
- g. Site fixtures shall be HADCO type SLA light poles with decorative manatee; Part numbers are as follows:
  - SLA – C75301-A4N74048AHNNNA/CA7530-P4AN/CA7530A-C/CP7530-12A (48 LED for parking areas)
  - SLB - C7530J-A4N74032AHNNNA/CA7530-P4AN/CA7530A-C/CP7530-12A (32 LED for pedestrian areas)
- h. Shade structures shall be as manufactured by Superior Recreational Products, Inc., Landscape Structures, or Shade Systems, Inc. or Owner approved equal.
- i. Thor Guard Lightning Prediction System or Owner approved equal.
- j. Picnic tables are to be supplied and installed. Picnic tables by Recycle Design – Victoria Series with Standard black powder coating, HDPE color Gray, Length = 72” or Owner approved equal.
- k. Benches are to be supplied and installed. Benches by Recycle Design – Victoria Series with Standard black powder coating, HDPE color – Gray, Length 60” – VIC.SE.060, Center Arm Kit 9880-1, Surface Mount Hardware 9300-004-INST or Owner approved equal.
- l. Trash receptacles are to be supplied and installed. Trash Receptacles by Recycle Design - Victoria Series with Standard black powder coating, HDPE color – Gray, Cover VIC.WR.032.DOM.SM, Surface Installation Hardware 9300-004-INST, Key lock option VIC.WR.KEY.LOC or Owner approved equal.

**SW-8. PROJECT PROCESS AND SUBMITTALS:**

The selected Design-Build Team shall complete the following tasks and submittals:

**Conceptual Design:**

- a. Prepare and submit Draft Conceptual Plan of the improvements and a Draft Cost Estimate showing the completed project will remain within the City’s budget of $600,000.00.
- b. Following review by City staff, modify the concept plan to address City staff comments and submit Final Conceptual Plan and Cost Estimate.
c. Present the Final Conceptual Plan and Cost Estimate at one (1) public meeting to gather further input on the project.

**Design Development and Construction Documents:**

a. Prepare and submit 60% Design Plans of the improvements incorporating feedback from the public meeting and a 60% Cost Estimate showing the completed project will remain within the City’s budget.

b. Following review by City staff, Prepare and submit 90% design plans of the improvements incorporating feedback from the City staff review and a 90% Cost Estimate showing the completed project will remain within the City’s budget.

c. Following review by City staff, Prepare and submit final design plans of the improvements incorporating feedback from the City staff review and a final Cost Estimate showing the completed project will remain within the City’s budget.

**Construction:**

a. Provide all construction services required for completion of the project.

b. Coordinate all required testing, reviews, and inspections.

c. Provide construction administration and maintain all project records.

d. Attend monthly progress meetings

e. Prepare operations & maintenance manuals and train City staff in the operation & maintenance of the system.

f. Provide as-built in hard copy, certified by a Florida registered Professional Surveyor and Mapper along with AutoCAD electronic copies.
SECTION 2
CONCEPT PLAN

CONCEPT PLAN DESCRIPTION:

1. Link splash pad to town square and restroom directly via sidewalks; remain route shall not require crossing of vehicular driveways.
2. Ensure splash pad area is ADA-accessible with multi-purpose less than 500 square feet.
3. Provide shaded seating areas adjacent to splash pad and playground areas.
4. Integrate playground area into overall plan and adjacent to splash pad.
5. Include splash pad and playground areas to be part of the town square with links to other town amenities.
6. Provide entry from town square with connections to pump house, splash pad, playground and pathways.
7. Provide curb, house and water tower as focal points as viewed from street view.
8. Create opportunities for a variety of users in the area adjacent to the pump house and water tower (i.e., children, adults, and pets).
9. Create much more elements at key gateway & landmark.
10. Ensure all design is accessible to all users.
11. Provide pedestrian links to adjacent streets.
12. Envision future development and use possibilities in project area.
SECTION 3
BOUNDARY & TOPOGRAPHIC SURVEY
SECTION 4
APPROVED WETLAND JURISDICTIONAL LINE DETERMINATION