March 15, 2016

To prospective bidders & others concerned:

This addendum sets forth changes and/or information as referenced and is hereby made a part of, and should be attached to, the subject Contract Documents.

A. General
   1. List of Current Plan Holders (as of March 11, 2016) is attached.

B. Contract Documents and Specifications
   2. Revise Section 11700.2.03.A Details of Pressure Vessel Construction: Delete Paragraph 3. Number of Vessels Four (4). Insert new Paragraph 3. Number of Vessels Three (3), Two (2) Base Bid and one (1) additive bid item.
   3. Revise Section 15191 Fuel Oil Piping System. Fuel piping not to have electronic leak detection systems or fill station.
      a. Delete 2.05 Paragraphs A through H. Insert 2.05 Remote Fill Station – N/A.
      b. Delete Section 2.07 Paragraphs B through M.
      c. Delete 3.10 Paragraphs A – H. Insert 3.10 Leak Sensor Installation – N/A.
   4. Revise Section 15600 Generator Fuel Storage System. Fuel tanks not have electronic leak detection or level sensors.
      b. Delete 2.03 Paragraphs B through P.
      c. Delete 3.03 Paragraphs A – C. Insert 3.10 Leak Sensor Installation – N/A.
   5. Revise Section 15600.2.01.B. Above Ground Fuel Oil Storage Tank. Revise Paragraph 1. Provide a separate 2000-gallon double-wall fuel storage tank. Tank capacity shall be...
sufficient to run generator for 72 hours at 100% of the unit’s rated output plus an additional 10% of fuel capacity.

6. **Revise Section 15191.2.02 Fuel Oil Piping System.** Insert new Paragraph I. *Piping shall be painted the appropriate color as per State of Florida Standards.*

7. **Revise Section 15600.2.06 Above Ground Fuel Oil Storage Tank.** Insert new Paragraph C. *Fuel Tanks shall be painted the appropriate color as per State of Florida Standards.*

### C. Contract Drawings

1. **Revise Sheet G-3.** Buried coating systems for IX-1, RGW-1, RW-3 and TW-1 to be standard DIP factory bituminous asphaltic coating with polyethylene encasement. Delete System 25 coal tar epoxy. Insert *Bituminous Asphaltic.*

2. **Revise Sheet C-4.** TW-1 pipe is DIP. Delete TW-1 reference to #4 C900 PVC. Insert #13 DIP reference to DIP.

3. **Revise Sheet M-2.** IEX headers are DIP. Delete RW-1. Insert RW-3.

4. **Revise Sheet M-3.** IEX headers are DIP. Delete RW-1. Insert RW-3.

5. **Revise Sheet D-4.** IEX Safety Eyewash/Shower Detail to be HAWS Model 8330. Insert Note 2. Provide insulation on Piping. Delete Hydrofloursilicic Acid Area eyewash location.

### D. Responses to Bidders

1. Layne, RFI Dated 03/03/2016:
   
   **Comment No.1-1:** C-3 shows to relocate the existing fuel tank. Are the fuel tanks shown on C-4 a relocation of the existing tank or are there to be two new tanks? If new tanks are required, provide the capacity requirements.

   **Response No. 1-1:** Sheet C-4 shows the relocated existing tank plus one (1) new fuel tank. New tank to be same manufacturer, size and type of existing fuel tank.

   **Comment No.1-2:** Spec section 15191-2.02 – Please provide clarification as to the size, location and material the fuel piping.

   **Response No. 1-2:** See Attachment E.4. in Addendum 2 for details. Use 1-inch schedule 40 black iron fuel piping. Fuel piping from the fuel tanks to generator is to be above ground. Each 2000-gal tank shall be plumbed so that each tank can operate independently.

2. McDade Waterworks, Inc., RFI Dated 03/03/2016:

   **Comment No.2-1:** Sheet M-1 & M-8 both show 16” control plug valves with EMO’s. I am unable to find if these are Modulating or Open/close. Would
you clarify?

Response No. 2-1: Both 16” control plug valves are modulating.

Comment No. 2-2: Approved products list does not allow for ARI air release valve Spec 2.20 section 02515 calls for it. Will these MFG be allowed?

Response No. 2-2: Yes, ARVs in Section 02515.2.20 will be allowed.

Comment No. 2-3: The expansion joint listed in Spec 15080 5.01 C is not the same as the expansion joint listed in 15100 2.16. Would you clarify which is preferred?

Response No. 2-3: Section 15100.2.16 is the preferred expansion joint. Section 15080.5.01.C is for rubber type pipe couplings. Use expansion joint elastomer appropriate for the application per manufacturer’s recommendations.

Comment No. 2-4: Shower & eyewash listed in Spec 15100 2.2 does not match the Shower & eyewash shown on plan sheet D-4 Would you clarify which is preferred?

Response No. 2-4: Use the HAWS Model 8330 and provide insulation for pipe. HAWS Model 8317 CTFP has a freeze protection feature.

Comment No. 2-5: Several places show what appears to be boss taps on fittings. May we use welded thread o lets or Service Saddle instead?

Response No. 2-5: Yes, you may use welded thread o lets or Service Saddle tapping sleeves where appropriate.

Comment No. 2-6: 16” influent line on sheet M-1 shows as RW-3 (dip). Sheet M-3 shows the line as RW-1 (C900). Does the City need DIP or C900 in this area?

Response No. 2-6: DIP.

Comment No. 2-7: Sheet I-2 shows a Motorized gate valve on loop no 3150. Sheet M-8 indicates this valve as a Plug valve. Please clarify the intent

Response No. 2-7: Loop No. 3150 is to be a motorized plug valve. The plug valve serves as the ion exchange back pressure assembly modulating valve.

Comment No. 2-8: Sheet M-1 & M-2 indicate two 6” plug valves with EMO’s on the Regen line. Are these valves Open/close or Modulating?

Response No. 2-8: Backwash flow control valve (Loop No. 7121) is a modulating plug valve. Pressure vessel draindown valve (Loop No. 7122) is an
open/close plug valve.

3. Florida Design Contractors, RFI Dated 03/04/2016:

Comment No.3-1: C-4 calls for some of the TW-1 to be C900 (#4) & DIP (#13), however the table on G-3 calls for DIP. Please confirm if this pipe run is to be DIP or PVC.

Response No. 3-1: TW-1 pipe is to be DIP (#13)

Comment No.3-2: 11227, 1.01, A.3 or the mechanical drawings do not call out the size and material of fabrication for the Caustic Squeeze In-Line Static Mixer. Is this supposed to just be a injector and no mixer? I-2 shows a mixer but G-5 shows an injection only. Please clarify.

Response No. 3-2: No mixer for the caustic squeeze feed line (see Sheet M-4) Contractor to coordinate with system supplier to provide an injection point on the brine dilution panel.

Comment No.3-3: 11700, 2.03, A calls for (4 ea) Ion Exchange Vessels. Please confirm this should be (2 ea) base bid plus (1 ea) alternate bid.

Response No. 3-3: Three (3) total. Base bid two (2) pressure vessels. Plus one (1) additional pressure vessel for an additive bid item.

4. McMahan Construction, RFI Dated 03/04/2016:

Comment No. 4-1: Spec 01110-2&3 shows a work sequence with three completion dates for items required in 120 days, 180 days & the 365 days. The 365 day substantial completion period is the only one shown in the agreement 00500-2. Do liquidated damages only apply to the 365 day substantial completion period for the project?

Response No. 4-1: Work sequence in Section 01110 is a suggested work schedule. Liquidated damages apply to the 365 day substantial completion period identified in the Agreement Section 00500.

Comment No. 4-2: With one more addendum to come out, can the bid date be moved back 1-2 weeks?

Response No. 4-2: Addendum No. 2 extended the Bid date to March 18, 2016. Bids are due by 2:00 pm Local Time.

5. Tom Evans Environmental, Inc., RFI Dated 03/04/2016:

Comment No. 5-1: Grundfos Dosing Skid Systems would be able to provide chemical metering skid units without any exceptions as specified in section
11233. We have attached our standard brochure illustrating Grundfos Dosing Skid System’s capabilities for your reference. We respectively ask that Grundfos Dosing Skid Systems would be added to the list of Chemical Metering System integrators/suppliers.

Response No. 5-1: Grundfos dosing skid systems will not be added to List of Chemical Metering System Integrator/Suppliers at this time.

6. TLC Diversified, Inc., RFI Dated 03/04/2016:

Comment No. 6-1: Drawing S-7 mentions construction joints for the concrete pavement. What is the required spacing for these joints and please provide a detail of the construction joint required? Is rebar required at this joint?

Response No. 6-1: Concrete pavement detail shown on Sheet S-7 is for the concrete drive shown on Sheet C-5. The joints are saw-cut joints as described in the detail. No re-bar is used. If the contractor prefers to pour the driveway in sections, a standard ½ inch joint material can be used between pours. No connecting re-bar is required.

Comment No. 6-2: Where is the Xypex admixture required that is in the specifications? Does it go in the concrete for the ION exchange slab or anywhere else?

Response No. 6-2: Xypex admix to be provided in the containment area walls, slabs, and columns.

7. Wharton-Smith, Inc., RFI Dated 03/04/2016:

Comment No. 7-1: In reference to the generator and above ground fuel tanks for this project, the structural drawings and drawing E-16 do not indicate any plan dimensions, sections or details for the concrete foundation slabs that will be required. Please provide this information for all bidders to base their bids on.

Response No. 7-1: See Attachment E.4. in Addendum 2 for details.

Comment No. 7-2: Drawing S-1 shows the two (2) proposed NaOCL tank pads to be 8’-0” in diameter. Drawing section F on S-4 indicates 9’-0” pad diameters. Which diameter dimension should bids be based on?

Response No. 7-2: See response to Comment 1-1 in Addendum 2.

Comment No. 7-3: Please indicate the expansion joint material type that will be required for detail S-8 on drawing S-5 and for section C on
drawing S-3. Specification section 03150 paragraph 2.01 and 3.05 specifies several types.

Response No. 7-3: Use either preformed sponge rubber or cork filler and apply sealant applicable for the application per manufacturer’s specifications.

Comment No. 7-4: Drawing M-7 shows a concrete foundation slab for the Chemical Injection Assembly but does not indicate any type of reinforcing material. Please indicate the reinforcing design for this slab, if required.

Response No. 7-4: See response to 15-3 Addendum 2.

Comment No. 7-5: Please provide a detail for the construction of concrete equipment pads as shown in section A on drawing M-4.

Response No. 7-5: Equipment pads to be using 2500 psi concrete with rebar. Four (4) concrete equipment pads: two (2) for the brine system pumps and two (2) for the spent regenerate system pumps. Dimensions are approximately 12 inch wide 20 inches long and 16 inches high.

Comment No. 7-6: Please indicate the amount of crystalline waterproofing admixture that will be required to be added to the Class A concrete mix as specified in 03300 paragraphs 2.04 F and 2.06 F.

Response No. 7-6: 10 to 20 lbs per cubic yard. Coordinate with manufacturer to select an optimum amount for the containment area which can experience up to 26% sodium chloride, 12% sodium hypochlorite, 36% phosphoric acid or 50% sodium hydroxide.

8. C2I, Inc., RFI Dated 03/08/2016: See attached Memorandum Electrical Engineer Addendum No. 3 Responses.

9. Sharrer Electric Company, RFI Dated 03/08/2016: See attached Memorandum Electrical Engineer Addendum No. 3 Responses

10. TLC Diversified, Inc., RFI Dated 03/08/2016:

Comment No.1-1: Since the hypochlorite tanks are inside, should there be chlorine leak sensors on them?

Response No. 1-1: No, hypochlorite tanks are outside under a covered roof, not in a confined building space.

Comment No.1-2: Sheet M-10 note 2 indicates to use the existing meters with 10 pipe diameters upstream and 2 pipe diameters downstream, but
the drawings do not depict this much area to work with. Assuming this is 12” pipe would require 10’ upstream and 2’ downstream. Please confirm this is your attention. It would require a concrete pad addition of approximately 15’ x 10’ with the appropriate flanged spool pieces that are not depicted in your pictures.

Response No. 1-2: Yes, this is the intention.

11. Ortega Industrial Contractors, RFI Dated 03/09/2016:

Comment No.1-1: Addendum No. 1, paragraph A.5 states “Submit three (3) copies of completed Bidding Documents. Bid Form, Bid Security and other documents as identified in Section 00100.1.05.C.

Section 0100.1.05.C “Evaluation of Responsibility” of the specs, lists several standards to be met by the bidder, and documentation to be submitted “Upon Request” to demonstrate this standards and capabilities to perform the work. Please clarify if all this documentation is to be submitted with the bid, or subsequent to bidding by the successful bidder.

Response No. 1-1: Yes, documentation is to be submitted with the bid as requested in Addendum No. 1.

12. Tonka Water, RFI Dated 03/09/2016: See attached Memorandum Electrical Engineer

Addendum No. 3 Responses

13. RC Beach & Associates Inc., RFI Dated 03/10/2016:

Comment No.1-1: Specification section 11805, 1.01, A, 1, indicates the Spent Wastewater Regenerate tank capacity at 17,000 gallons. The tanks are indicated on drawing M-8 but are not dimensioned (tank diameter x height). If they are scaled from the drawing the size indicated is much less than a 17,000 gallon capacity. Please verify:
• Desired tank capacity in gallons
• Desired size of tanks (diameter x height)

Response No. 1-1: See Sheet M-2 for details. Spent regenerate wastewater tanks are 14 foot diameter with a 15 foot shell wall height. Volume is approximately 17,000-gal.

14. Ortega Industrial Contractors, RFI Dated 03/10/2016:
Comment No.1-1: Will the Owner consider using galvalume in lieu of colored roof panels on the metal building (Spec.05500) for a reduced cost?

Response No. 1-1: No.

Comment No.1-2: Will the Owner consider screw down instead of standing seam roof panels on the metal building (Spec.05500) for a reduced cost?

Response No. 1-2: No. Use standing seam roof panels.

15. McMahan Construction, RFI Dated 03/10/2016:

Comment No.1-1: Sheet G-3 shows lines IX-1, RGW-1, RW-3, & TW-1 as DIP material receiving system 25 coal tar epoxy exterior painting where the piping is buried. Typically, we cannot get bacteriological clearance on DIP with coal tar epoxy exterior coatings as the bell of the pipe touches the flow. Do these lines all need to be cleared with bactee samples? If so, can the standard DIP factory bitumastic coating be used in lieu of the coal tar epoxy?

Response No. 1-1: Where ductile iron pipe and fittings are to be below ground or installed in a casing pipe the exterior coating shall be a minimum 1.0 mil thick in accordance with ANSI/AWWA A21.51/C151. Where ductile iron pipe and fittings are to be installed above ground, pipe, fittings and valves shall be thoroughly cleaned and given one (1) field coat (minimum 1.5 mils dry thickness) of rust inhibitor primer. Intermediate and finished field coats of alkyd enamel shall also be applied by the CONTRACTOR (minimum 1.5 mils dry thickness each coat). Primer and field coats shall be compatible and shall be applied in accordance with the manufacturer’s recommendations. Final field coat color shall be blue.

All ductile iron pipe and fittings shall have an interior protective lining of cement mortar with a seal coat of asphaltic material in accordance with ANSI/AWWA A21.4/C104.

Comment No.1-2: Are the ductile iron pipe, fittings, restraints & valves to be manufactured in the USA, domestic only?

Response No. 1-2: Ductile iron pipe, fittings, restraints & valves are required to comply with the American Iron and Steel Requirements. Contracts being constructed with assistance from the State Revolving Fund Program are required to comply.
E. Attachments

2. Memorandum Electrical Engineer Addendum No. 3 Responses

END
<table>
<thead>
<tr>
<th>No.</th>
<th>Date</th>
<th>Name</th>
<th>Contact Person</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
<th>Telephone</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2/8/2016</td>
<td>Olivia Miller</td>
<td>Olivia Miller</td>
<td>400 SW 7th Street</td>
<td>Stuart</td>
<td>FL</td>
<td>34994</td>
<td>800-785-5165</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2/8/2016</td>
<td>John Mayhut</td>
<td>John Mayhut</td>
<td>12510 World Plaza Lane, Suite 1</td>
<td>Fort Myers</td>
<td>FL</td>
<td>33907</td>
<td>239-208-9527</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>2/8/2016</td>
<td>Reporter</td>
<td>The Building Exchange</td>
<td>Reporter</td>
<td><a href="mailto:info@thebuildingexchange.com">info@thebuildingexchange.com</a></td>
<td>Tampa</td>
<td>FL</td>
<td>33614</td>
<td>813-253-3733</td>
</tr>
<tr>
<td>4</td>
<td>2/8/2016</td>
<td>Carrius Fur Furo</td>
<td>Prime Construction Group, Inc.</td>
<td>Carrius M. Fur Furo</td>
<td><a href="mailto:info@primconstructiongroup.com">info@primconstructiongroup.com</a></td>
<td>Orlando</td>
<td>FL</td>
<td>32824</td>
<td>407-856-8180</td>
</tr>
<tr>
<td>5</td>
<td>2/8/2016</td>
<td>Bolhert</td>
<td>Government Contracts USA</td>
<td>Kurt Pifer</td>
<td><a href="mailto:info@bolhert.com">info@bolhert.com</a></td>
<td>Latham</td>
<td>NY</td>
<td>12110</td>
<td>800-677-1997</td>
</tr>
<tr>
<td>6</td>
<td>2/8/2016</td>
<td>nick cole</td>
<td>R research</td>
<td><a href="mailto:info@research.com">info@research.com</a></td>
<td>Clearwater</td>
<td>FL</td>
<td>33767</td>
<td>727-441-4101</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>2/9/2016</td>
<td>Dawn Bragg</td>
<td>Wharton-Smith, Inc.</td>
<td>Dawn Bragg</td>
<td><a href="mailto:dbagg@whartonsmith.com">dbagg@whartonsmith.com</a></td>
<td>Sanford</td>
<td>FL</td>
<td>32771</td>
<td>407-321-8410</td>
</tr>
<tr>
<td>8</td>
<td>2/9/2016</td>
<td>Bi Lorenzo</td>
<td>Crossroads Site Development LLC</td>
<td>Bi Lorenzo</td>
<td><a href="mailto:Crossroadsdev@aol.com">Crossroadsdev@aol.com</a></td>
<td>Ormond Beach</td>
<td>FL</td>
<td>32176</td>
<td>386-672-4200</td>
</tr>
<tr>
<td>9</td>
<td>2/10/2016</td>
<td>Brittany</td>
<td>Isaip</td>
<td>4500 Lake Forest Dr</td>
<td>Cincinnati</td>
<td>OH</td>
<td>45242</td>
<td>800-364-2059</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>2/10/2016</td>
<td>Mike saw</td>
<td>Monarch Construction</td>
<td>Mike</td>
<td><a href="mailto:email@email.com">email@email.com</a></td>
<td>Al</td>
<td>45236</td>
<td>705-720-1079</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>2/10/2016</td>
<td>Linda Moore</td>
<td>TLI Diversified, Inc.</td>
<td>Linda Moore</td>
<td><a href="mailto:lauren@michaeltolbert.com">lauren@michaeltolbert.com</a></td>
<td>Palmetto</td>
<td>FL</td>
<td>34221</td>
<td>941-722-0821</td>
</tr>
<tr>
<td>12</td>
<td>2/10/2016</td>
<td>DONNA MCCARTY</td>
<td>CENSTATE CONTRACTORS</td>
<td>DONNA MCCARTY</td>
<td><a href="mailto:info@censtate.com">info@censtate.com</a></td>
<td>Winter Haven</td>
<td>FL</td>
<td>33882</td>
<td>863-324-3882</td>
</tr>
<tr>
<td>13</td>
<td>2/10/2016</td>
<td>Richard Neal</td>
<td>CS3 WaterWorks</td>
<td>Richard Neal</td>
<td><a href="mailto:info@cs3waterworks.com">info@cs3waterworks.com</a></td>
<td>Orlando</td>
<td>FL</td>
<td>32835</td>
<td>407-398-5868</td>
</tr>
<tr>
<td>14</td>
<td>2/10/2016</td>
<td>Jay Libo-on</td>
<td>Bailey Engineering Consultants</td>
<td>Jay Libo-on</td>
<td><a href="mailto:libo-on@barleyengineering.com">libo-on@barleyengineering.com</a></td>
<td>Cooper City</td>
<td>FL</td>
<td>33318</td>
<td>954-448-7560</td>
</tr>
<tr>
<td>15</td>
<td>2/10/2016</td>
<td>Joe Fisher</td>
<td>Pettitcochatshiff Civil Contractors</td>
<td>Joe Fisher</td>
<td><a href="mailto:fisher@pettitcoatshiff.com">fisher@pettitcoatshiff.com</a></td>
<td>Jacksonville</td>
<td>FL</td>
<td>32216</td>
<td>904-751-0888</td>
</tr>
<tr>
<td>16</td>
<td>2/10/2016</td>
<td>Elsia LaFerna</td>
<td>Florida Design Contractors, Inc.</td>
<td>Elsia LaFerna</td>
<td><a href="mailto:info@floridaecdesign.com">info@floridaecdesign.com</a></td>
<td>Lake Park</td>
<td>FL</td>
<td>33405</td>
<td>561-275-2278</td>
</tr>
<tr>
<td>17</td>
<td>2/10/2016</td>
<td>Chuck Tweedy</td>
<td>Tonka Water</td>
<td>Chuck Tweedy</td>
<td>Plymouth</td>
<td>MN</td>
<td>55441</td>
<td>763-252-0074</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>2/10/2016</td>
<td>Don Hasco</td>
<td>Chezno Electric, Inc.</td>
<td>Don Hasco</td>
<td><a href="mailto:info@cheznoelectric.com">info@cheznoelectric.com</a></td>
<td>Enterprise</td>
<td>FL</td>
<td>32725</td>
<td>386-774-1020</td>
</tr>
<tr>
<td>19</td>
<td>2/10/2016</td>
<td>Cory Peso</td>
<td>Environmental Equipment Services</td>
<td>Cory Peso</td>
<td><a href="mailto:cory@ees-fl.com">cory@ees-fl.com</a></td>
<td>Lakeland</td>
<td>FL</td>
<td>33803</td>
<td>863-450-3595</td>
</tr>
<tr>
<td>20</td>
<td>2/11/2016</td>
<td>Mike Worrell</td>
<td>McDade WaterWorks, Inc.</td>
<td>Mike Worrell</td>
<td><a href="mailto:info@mcdadewaterworks.com">info@mcdadewaterworks.com</a></td>
<td>Tampa</td>
<td>FL</td>
<td>33610</td>
<td>813-740-1164</td>
</tr>
<tr>
<td>21</td>
<td>2/12/2016</td>
<td>Jeanie Lucas</td>
<td>Layne Heavy Civil, Inc.</td>
<td>Jeanie Lucas</td>
<td><a href="mailto:jeanie.layne@layne.com">jeanie.layne@layne.com</a></td>
<td>Jacksonville</td>
<td>FL</td>
<td>32223</td>
<td>904-905-9290</td>
</tr>
<tr>
<td>22</td>
<td>2/12/2016</td>
<td>Laura</td>
<td>Builders Exchange &amp; Reprosagrics</td>
<td>Laura</td>
<td><a href="mailto:info@agenciabuilders.com">info@agenciabuilders.com</a></td>
<td>Daytona Beach</td>
<td>FL</td>
<td>32114</td>
<td>380-253-7888</td>
</tr>
<tr>
<td>23</td>
<td>2/12/2016</td>
<td>buddy mms</td>
<td>IC Petroleum</td>
<td>buddy mms</td>
<td>Jacksonville</td>
<td>FL</td>
<td>32202</td>
<td>904-874-2373</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>2/12/2016</td>
<td>James W</td>
<td>IMS</td>
<td>James W</td>
<td>San Diego</td>
<td>CA</td>
<td>92109</td>
<td>858-690-8800</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>2/12/2016</td>
<td>Raymond Rosa</td>
<td>Rocha Controls</td>
<td>Raymond Rosa</td>
<td>Tampa</td>
<td>FL</td>
<td>33634</td>
<td>813-628-5584</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>2/15/2016</td>
<td>Kiki Pyle</td>
<td>Florida Bid Reporting</td>
<td>Kiki Pyle</td>
<td><a href="mailto:info@bidreporting.com">info@bidreporting.com</a></td>
<td>Tallahassee</td>
<td>FL</td>
<td>32315</td>
<td>850-539-7522</td>
</tr>
<tr>
<td>27</td>
<td>2/15/2016</td>
<td>Morgan Sinmon</td>
<td>JDFI</td>
<td>Morgan Sinmon</td>
<td>Cincinnati</td>
<td>OH</td>
<td>45242</td>
<td>800-364-2059</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>2/15/2016</td>
<td>VIELSA GARCIA</td>
<td>ORTEGA INDUSTRIAL CONTRACTORS</td>
<td>VIELSA GARCIA</td>
<td><a href="mailto:ortega@ortegacontractors.com">ortega@ortegacontractors.com</a></td>
<td>JACKSONVILLE</td>
<td>FL</td>
<td>32258</td>
<td>904-258-2181</td>
</tr>
<tr>
<td>29</td>
<td>2/15/2016</td>
<td>Melissa Stone</td>
<td>Close Construction, LLC</td>
<td>Melissa Stone</td>
<td><a href="mailto:info@closecorrection.com">info@closecorrection.com</a></td>
<td>Jacksonville</td>
<td>FL</td>
<td>34972</td>
<td>853-467-8831</td>
</tr>
<tr>
<td>30</td>
<td>2/15/2016</td>
<td>Fred Truppensee</td>
<td>Truppensee &amp; Company, Inc.</td>
<td>Fred Truppensee</td>
<td><a href="mailto:info@truppensee.com">info@truppensee.com</a></td>
<td>Sebring</td>
<td>FL</td>
<td>33870</td>
<td>863-382-3101</td>
</tr>
<tr>
<td>31</td>
<td>2/15/2016</td>
<td>Lisa Blanchette</td>
<td>Harrington Industrial Plastics</td>
<td>Lisa Blanchette</td>
<td><a href="mailto:info@blanchettetampa.com">info@blanchettetampa.com</a></td>
<td>Orlando</td>
<td>FL</td>
<td>32811</td>
<td>407-835-1558</td>
</tr>
<tr>
<td>32</td>
<td>2/15/2016</td>
<td>Michelle Spiegel</td>
<td>Ferguson Water Works</td>
<td>Michelle Spiegel</td>
<td><a href="mailto:info@fergusonwaterworks.com">info@fergusonwaterworks.com</a></td>
<td>Orlando</td>
<td>FL</td>
<td>32824</td>
<td>40-785-9747</td>
</tr>
<tr>
<td>33</td>
<td>2/15/2016</td>
<td>Melinda Lindsay</td>
<td>RTD Construction, Inc.</td>
<td>Melinda Lindsay</td>
<td><a href="mailto:info@rtdconstruction.com">info@rtdconstruction.com</a></td>
<td>Jacksonville</td>
<td>FL</td>
<td>33542</td>
<td>813-783-9119</td>
</tr>
<tr>
<td>34</td>
<td>2/15/2016</td>
<td>dennis sunders</td>
<td>Ferguson Waterworks - plant division</td>
<td>dennis sunders</td>
<td><a href="mailto:info@fergusonwaterworks.com">info@fergusonwaterworks.com</a></td>
<td>Pinellas Park</td>
<td>FL</td>
<td>33714</td>
<td>727-554-0383</td>
</tr>
<tr>
<td>35</td>
<td>2/16/2016</td>
<td>Brett Lefever</td>
<td>LT Construction, Inc.</td>
<td>Brett Lefever</td>
<td>info@ltnstructcom</td>
<td>Sanford</td>
<td>FL</td>
<td>32771</td>
<td>321-972-9325</td>
</tr>
<tr>
<td>37</td>
<td>2/16/2016</td>
<td>Marie Baker</td>
<td>Sawcross, Inc.</td>
<td>Marie Baker</td>
<td><a href="mailto:info@envirosalesofflorida.com">info@envirosalesofflorida.com</a></td>
<td>Sebring</td>
<td>FL</td>
<td>33870</td>
<td>863-314-0616</td>
</tr>
<tr>
<td>38</td>
<td>2/17/2016</td>
<td>Stephen Scala</td>
<td>Superior Power Products</td>
<td>Stephen Scala</td>
<td><a href="mailto:info@superiorpowerproducts.com">info@superiorpowerproducts.com</a></td>
<td>Gotha</td>
<td>FL</td>
<td>34734</td>
<td>954-401-6224</td>
</tr>
<tr>
<td>Date</td>
<td>Company Name</td>
<td>Contact Person</td>
<td>Phone</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------</td>
<td>----------------------</td>
<td>-------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/18/2016</td>
<td><a href="mailto:Soundsesigns@onvia.com">Soundsesigns@onvia.com</a></td>
<td>sfs</td>
<td><a href="mailto:6898952@163.com">6898952@163.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/18/2016</td>
<td>Carrie Erle</td>
<td>Carrie Erle</td>
<td><a href="mailto:erle@mgc.com">erle@mgc.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/18/2016</td>
<td>John Justus Jr.</td>
<td>John Justus Jr.</td>
<td><a href="mailto:justusj@belkisouth.net">justusj@belkisouth.net</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/19/2016</td>
<td>Robert Parks</td>
<td>Robert Parks</td>
<td>6717602083</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/19/2016</td>
<td>Marie Brood</td>
<td>Southeast Drilling, Inc.</td>
<td>610014 East US Hwy 52</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/21/2016</td>
<td>Syed Kamal</td>
<td>Sigma Industries</td>
<td><a href="mailto:vgamein0009@yahoo.com">vgamein0009@yahoo.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/22/2016</td>
<td>preya cates</td>
<td>preya</td>
<td><a href="mailto:preya@waterloost.com">preya@waterloost.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/22/2016</td>
<td>Troy Lyn</td>
<td>Globaltech, Inc.</td>
<td>Troy Lyn</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/22/2016</td>
<td>Jeffrey Foy</td>
<td>CEC Controls</td>
<td><a href="mailto:dog@vermont-controls.com">dog@vermont-controls.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/22/2016</td>
<td>Adam Diaplay</td>
<td>Diaplay</td>
<td>863-690-6361</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/23/2016</td>
<td>Ryan Wilkins</td>
<td>Sterling Enterprises, L.L.C.</td>
<td><a href="mailto:traci@tcfenergyproducts.com">traci@tcfenergyproducts.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/23/2016</td>
<td>Tracy Estes</td>
<td>Traci Ester</td>
<td>P.O Box 714</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/23/2016</td>
<td>David Orr</td>
<td>PSI</td>
<td>1748 33rd Street</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/24/2016</td>
<td>Larry Moss-Kelly, Inc.</td>
<td>Larry Robles</td>
<td>725 Primera Boulevard, Suite 155</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/24/2016</td>
<td>Matt Curls</td>
<td>Barnes Pumps</td>
<td><a href="mailto:cunliff@Archoursprings.com">cunliff@Archoursprings.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/24/2016</td>
<td>David Ketchum</td>
<td>Trident Buildings Systems</td>
<td>David Ketchum</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/25/2016</td>
<td>Robert Sharrar</td>
<td>Sharrar Electric Company, Inc.</td>
<td>rsh@sharrar électrique.com</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/26/2016</td>
<td>JE Hill</td>
<td>JE Hill</td>
<td>9523-829-8290</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/26/2016</td>
<td>Christina Tabor</td>
<td>CPE Corp</td>
<td>910 Belle Ave, Ste 1040</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/26/2016</td>
<td>Jeffrey James</td>
<td>Vogel Brothers</td>
<td>2720 Drake Field Road</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/29/2016</td>
<td>John Cathcart</td>
<td>Cathcart Construction Company - Florida, LLC John Cathcart</td>
<td><a href="mailto:rathcart10@yahoo.com">rathcart10@yahoo.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/1/2016</td>
<td>Jennifer Kintzer</td>
<td>Aercon USA</td>
<td>108 Independence Way</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/1/2016</td>
<td>michael gautier</td>
<td>michael gautier fabrication</td>
<td>michael@<a href="mailto:john@mac.com">john@mac.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/1/2016</td>
<td>Jacqueline E. Webb</td>
<td>John B. Webb &amp; Associates, Inc.</td>
<td><a href="mailto:jwb@jba.com">jwb@jba.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/1/2016</td>
<td>Mike Turtle</td>
<td>Driveway Maintenance Inc.</td>
<td><a href="mailto:Murtur@Driveway.net">Murtur@Driveway.net</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/1/2016</td>
<td>P Sinclair</td>
<td>Aero Photo</td>
<td>4000 16th St N</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/1/2016</td>
<td>Sheryl Richardson</td>
<td>Sdtr consulting LLC</td>
<td>4528 San Marino cir</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/1/2016</td>
<td>Dan Hasso</td>
<td>Chinchor Electric, Inc.</td>
<td><a href="mailto:Chinchor@ChinchorElectric.com">Chinchor@ChinchorElectric.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/1/2016</td>
<td>Michael Farrell</td>
<td>Instrument Specialties Inc.</td>
<td><a href="mailto:mfarrell@innovate.com">mfarrell@innovate.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/1/2016</td>
<td>Bruce Duggert</td>
<td>Chalmers &amp; Kabeck - South</td>
<td><a href="mailto:bjduggert@chalmersandskabeck.com">bjduggert@chalmersandskabeck.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/1/2016</td>
<td>Bill Hatzmarkos</td>
<td>Central Florida Construction Walk, Inc.</td>
<td><a href="mailto:bhazmarkos@gmail.com">bhazmarkos@gmail.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/1/2016</td>
<td>David Hurtado</td>
<td>Hurtado cc</td>
<td><a href="mailto:david@hurtado.cc">david@hurtado.cc</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/1/2016</td>
<td>Dawn Taylor</td>
<td>Traffic Control Products</td>
<td><a href="mailto:animate@trafficcontrolproducts.org">animate@trafficcontrolproducts.org</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/1/2016</td>
<td>Mike McCurdy</td>
<td>Fluid Control Specialties, Inc.</td>
<td><a href="mailto:mike.mccurdy@fluidspec.com">mike.mccurdy@fluidspec.com</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

City of Winter Springs

Printed On: 3/14/2016
MEMORANDUM
BAILEY ENGINEERING CONSULTANTS, INC.
10620 GRIFFIN ROAD, SUITE 202
COOPER CITY, FL 33328
TEL (954) 448-7930
FAX (954) 713-9959

To: CPH, Inc.
From: Bailey Engineering Consultants, Inc.
Date: March 14, 2016
Project: Winter Springs WTP #1 Water Quality Improvements (ITB/004/16/KL)
Subject: ADDENDUM NO. 3

The Contract Documents, Specifications and Drawings are hereby amended as follows:

A. CONTRACT DOCUMENTS AND SPECIFICATIONS:

Specification Section 13310:

1. **Delete** paragraph 2.03, H.

   **Insert** new paragraph 2.03, H in its place that reads:

   “H. **Circular Chart Recorder (1 Required):** Single pen chart recorder, driven by output PTR-5350 from the PCP, and meeting the following requirements.
   1. **Features:**
      a. Pen: Disposable fiber-tipped pen (green).
      b. Chart size: 10 inch.
      d. Display: 4-digit.
   2. **Performance:**
      a. Input – 4-20 mA dc.
      b. Accuracy - +/- 0.5%.
      c. Adjustable chart speed.
   3. **Electrical Power Requirements:** 90-264 VAC.
   4. **Manufacturer, Model series:**
      a. Partlow model MRC 5000.
      b. No equal.”

2. **Insert** new paragraph 2.03, I that reads:

   “I. **Submerged Pressure Level Measurement System.** The level measurement system shall comprise a submerged pressure transducer (Pressure Transmitter, PT), factory attached and sealed interconnecting cable, and junction/termination box with front panel mounted loop-powered indicator (Level Indicator, LI) that indicates the depth of process fluid in the vessel being monitored. Within the pressure transmitter, process pressure variations shall be sensed by a barrier diaphragm and transferred via a non-compressible fill liquid to a Wheatstones Bridge strain gage diffused onto a silicon diaphragm. The electronics within the element shall produce an analog signal proportional to the process pressure.
1. **Performance:**

   Static accuracy of the pressure transmitter shall be less than or equal to 0.25% full scale including the combined effects of nonlinearity, hysteresis and non repeatability, based on a Best Fit Straight Line at 25 degrees C.

   a. The pressure transmitter shall be temperature compensated between 0 and 50 degrees C.
   b. The shielded and vented interconnecting cable shall be of sufficient length to allow the pressure transmitter to be properly located within the tank, basin, wetwell, etc. being monitored. The cable shall be able to withstand 200 pounds of tensile strength, allowing the transducer to be suspended directly by the cable.
   c. The cable shall be equipped with a dessicant filter at the surface end of the vent tube.
   d. Transducer shall include 304 stainless steel spacers, nuts, and bolts to protect and keep the diaphragm off the tank floor.
   e. Transducer shall be provided with a sealed air bag for compensating for atmospheric changes and to insure that no external moisture reaches the internal electronics.
   f. The level indicator shall be loop-powered, backlit and rated for operation at up to 65 degrees C. Provide intrinsically safe model, Precision Digital PD688 or approved equal.

2. **Materials:**

   a. Exterior pressure transmitter parts – 316 Stainless Steel and Viton.
   b. Fill liquid - NSF approved for use in drinking water applications.
   c. Interconnecting cable jacket – Polyurethane.
   d. Terminal junction box – 316 Stainless Steel.

3. **Ratings:**

   a. Terminal junction box – NEMA 4X.

4. **Electrical:**

   b. Transmitter excitation: Loop powered.

5. **Manufacturer, Model series:**

   a. Blue Ribbon Birdcage GP50 Model 311Z.
   b. Drexelbrook, Ametek 750 series.
   c. Approved equal.

### Specification Section 13326:

1. **Insert** a new paragraph 3.02, N which reads:

   "N. Auto-Dialer Outputs. Provide operator adjustable time delays and high or low limits (as applicable) for each of the four outputs to the existing auto-dialer (existing backup alarm panel)."

2. **Delete** the following entries from Table 13326-1, inserted under Addendum No. 2:

<table>
<thead>
<tr>
<th>LT</th>
<th>9101</th>
<th>Fuel Tank No. 1 Level</th>
<th>AI</th>
<th>0-???</th>
<th>FEET</th>
</tr>
</thead>
<tbody>
<tr>
<td>XS</td>
<td>9109</td>
<td>Fuel Tank No.1 Leak Status</td>
<td>DI</td>
<td>Normal</td>
<td>Leak</td>
</tr>
<tr>
<td>LT</td>
<td>9201</td>
<td>Fuel Tank No. 2 Level</td>
<td>AI</td>
<td>0-???</td>
<td>FEET</td>
</tr>
<tr>
<td>XS</td>
<td>9209</td>
<td>Fuel Tank No.2 Leak Status</td>
<td>DI</td>
<td>Normal</td>
<td>Leak</td>
</tr>
</tbody>
</table>

3. **Insert** the following new entries into Table 13326-1:

   | LSL | 3300 | Low GST Level to Auto-dialer | DO | Normal | Low |
   | LSH | 3300 | High GST Level to Auto-dialer | DO | Normal | High |
Specification Section 16110:

1. **Delete** the text in paragraph 1.02, A, 3 inserted under Addendum No. 2 that reads:
   “3. Instrumentation circuits (4-20 mA signal wire) above ground in dry non-corrosive areas shall be installed in GRS conduit.”

   **Insert** the following new text into paragraph 1.02, A, 3 in its place:
   “3. Instrumentation circuits (4-20 mA signal wire) underground or in non-corrosive areas shall be installed in PVC coated GRS conduit.”

2. **Insert** the following new paragraph 1.02, A, 7 that reads:
   “7. Where Schedule 80 PVC is used, all below grade elbows and risers to above grade shall be PVC coated GRS.”

Specification Section 16121:

1. **Delete** the text in paragraph 2.01, A, 3 that reads:
   “3. Number of fibers as defined in the Contract Drawings.”

   **Insert** the following new text in paragraph 2.01, A, 3 in its place:
   “3. Number of fibers: Twelve (12).”

2. **Delete** the text in paragraph 2.01, C that reads:
   “C. Each FPP shall one or more housings with sufficient quantities of ST compatible adaptor panels to accommodate all fibers terminating within the FPP.”

   **Insert** the following new text into paragraph 2.01, C in its place:
   “C. Each FPP shall include one or more housings with sufficient quantities of ST compatible adaptor panels to accommodate all fibers terminating within the FPP as defined in Table 16121-1.”

3. **Insert** the following new Table 16121-1 at the end of paragraph 2.01, D:

<table>
<thead>
<tr>
<th>FPP No.</th>
<th>Pairs Qty</th>
<th>Pairs Active</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>24</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>Others</td>
<td>6</td>
<td>1</td>
</tr>
</tbody>
</table>
Specification Section 16370:

1. **Delete** the text in paragraph 2.02, G, 9 that reads:

   “9. di/dt and dv/dt protection for converter semiconductors.”

**Insert** the following new paragraph 2.02, G, 9 in its place:


2. **Insert** the following new paragraph 2.03 that reads:

   **2.03 Integral Passive Harmonic Filter**

   A. The passive harmonic filter (hereafter called the filter) shall be designed to filter all characteristic low frequency harmonics (5th, 7th, 11th, 13th, etc.), generated from three phase diode rectifier loads such as variable frequency drives (VFD), while improving the system power factor.

   B. The filter shall consist of inductive element(s) in series with the load and an inductive-capacitive network in parallel with the load (shunt).

   C. The filter shall not adversely react with or resonate with the power system or attract harmonics from other sources. The filter shall be provided with a normally closed contact which shall open and isolate the VFD connection from the filter when the VFD is not running.

   D. The filter shall be UL- and cUL-Listed under UL 508A.

   E. The harmonic filter shall be warranted free from defects both in materials and in workmanship for a period of three years from the date of shipment, when applied in accordance with the manufacturer’s recommended procedures.

   F. All filters shall be installed in the MCC or VFD enclosure.

   G. The filter manufacturer shall be as follows:

      1. TCI, Jacksonville, Florida
      2. Approved Equal

   H. The filter described in this specification shall be used on a 480-Volt, 3-phase, 60 Hertz system. The filter horsepower ratings shall be determined in accordance with the VFD Schedule.

   I. Submittals shall include the following information:

      1. Outline dimensions, conduit entry locations and weight.
      2. Customer connection and power wiring diagrams.
      3. Complete technical product description.”
Specification Section 16402:

1. **Delete** the text in paragraph 2.01, A, that reads:

   “A. Ducts shall be PVC type DB encased in concrete, unless otherwise noted.”

2. **Insert** the following new text into paragraph 2.01, A in its place:

   “A. Ducts shall be PVC type ductbank.”

B. **CONTRACT DRAWINGS:**

1. **Delete** Sheets E-3, E-5, E-6, E-8, E-9, E-10, E-11, E-12, E-13, E-16, E-17, E-20, E-23, E-24, E-25, E-26, E-27, E-28, I-2, I-4 and I-6 in their entirety.

2. **Insert** Revised Sheets E-3, E-5, E-6, E-8, E-9, E-10, E-11, E-12, E-13, E-16, E-17, E-20, E-23, E-24, E-25, E-26, E-27, E-28, I-2, I-4 and I-6 in their entirety issued as part of this addendum.

C. **RESPONSES TO BIDDERS:**

1. C2i, RFI dated March 8, 2016:

   **Comment No. 1:** Addendum #2 says to insert spec section 13330 in its entirely. Please provide Section 13330.

   **Response No. 1:** Specification section 13330 was included as part of Addendum #2.

   **Comment No. 2:** Spec Section 13310.2.03.H Circular Chart recorder. "3 required". Will these be mounted on the door of PCP-1?

   **Response No. 2:** This paragraph has been revised as part of this addendum to require only one (1) new chart recorder. Chart recorder shall be wall-mounted in the Lab Area of the High Service Pump Building as shown on revised Sheet No. E-13 issued as part of this addendum.

   **Comment No. 3:** Drawing I-2 - Ground storage tanks 1 & 2 have Level Transmitters Looks like existing. Please confirm.

   **Response No. 3:** Confirmed. The Ground Storage Tank level transmitters are existing.

   **Comment No. 4:** Drawing I-2 - Ground storage tanks 1 & 2 have Level float switches Looks like new. Float switches are not in spec section 13310. Who will provide?

   **Response No. 4:** The existing float switches shall be disconnected and removed as shown on revised Sheets E-24 and I-2 issued as part of this addendum.
Comment No. 5: Drawing I-4 - Emergency Eyewash flow switch FS-8399 provided under what section?

Response No. 5: The flow switch is furnished with the Safety Eyewash/Shower as defined and shown on Drawing D-4.

Comment No. 6: It looks like there is an existing SCADA License that does not have redundancy or GlobalCare. The project would add the ability for Redundancy (SCADA Synchronization) to this license and re-establish GlobalCare (Support).

Response No. 6: The existing license is no. 200096632 which includes iFIX Plus SCADA Unlmt Dev v5.8 with Global Care.

Comment No. 7: Then we add a second SCADA license – Runtime as a backup with GlobalCare.

Response No. 7: Correct.

Comment No. 8: In section 2.03.C.1. HMI System Application Software they state the license will have Proficy Historian. Each SCADA license now ships with Proficy Historian for SCADA (PH4S). It is licensed for 1000 permanent points and 2500 buffered points (roll off after several months). The problem is that PH4S does not support redundant SCADAs. It can run on the primary and backup but if there is a failover, data could be potentially lost and depending on how the reporting is set up, the reports would not work. Typically when there is a primary / backup SCADA, the Historian license runs on a separate computer and it has the ability to know which SCADA is the primary and which is the backup. IF there is a failure it will connect to the appropriate SCADA automatically.

The questions are – is there a separate Historian Server? If so how many points?

Response No. 8: A separate historian server is not required. Lost data from a primary or backup server failure will be manually updated when the failed server is back on line using the database synchronization feature.

Comment No. 9: In the General Scope of work, 1.01.B.5 they mention a SCADA Web Server – I do not see it mentioned anywhere else. So I assume we are not upgrading, adding users, adding GlobalCare?

Response No. 9: Correct. No modifications to the existing web server are required under this project.

Comment No. 10: On the Control System Block Diagram they show an OIT in the IEX Bldg Control Panel. I assume this is not running iFIX. I do not see anything in the Software or PLC specs. Is it existing? Is there a separate spec on this unit?

Response No. 10: The OIT in question is being furnished by the IEX Supplier under Section 11700.
2. McDade Waterworks, Inc., RFI dated March 3, 2016:

**Comment No. 7:** Sheet I-2 shows a Motorized gate valve on loop no 3150. Sheet M-8 indicates this valve as a Plug valve. Please clarify the intent.

**Response No. 7:** Sheet 1-2 has been revised under this addendum to show the required plug valve.

3. Sharrer Electric Company, Inc., RFI dated March 8, 2016:

**Comment No. 1:** Addendum 2; SPECIFICATION 16110
Insert-“3. Instrumentation Circuits (4-20mA Signal Wire) above ground in dry noncorrosive areas shall be installed in GRS conduit.”

Question: What conduit shall be used for Instrumentation Circuits (4-20mA Signal Wire) underground in dry non-corrosive areas?

**Response No. 1:** PVC coated GRC conduit. Refer to above changes to Specification Section 16110 issued as part of this addendum.

**Comment No. 2:** Fiber Optic
Does the existing fiber system feed into FPP2? If so, how many strands from existing fiber patch panel in HSP building to FPP2?

**Response No. 2:** Any existing fiber optic cable or related components does not form part of the new fiber system.

**Comment No. 3:** How many fiber strands required for the runs listed below:

**Response No. 3:** Refer to responses 3a through 3h below.

**Comment No. 3a:** Spare fibers in each run?

**Response No. 3a:** Refer to Table 16121-1 inserted as part of this addendum for details of all fiber runs between FPP.

**Comment No. 3b:** FPP to PCP1?

**Response No. 3b:** Each connection shown on Drawing I-5 as running between a FPP and other system equipment represents one fiber pair patch cable.

**Comment No. 3c:** Media Converter to FPP2?

**Response No. 3c:** See response No. 3b. above.

**Comment No. 3d:** FPP2 to FPP1?

**Response No. 3d:** See response No. 3a. above.

**Comment No. 3e:** RCP2A to FPP1?

**Response No. 3e:** See response No. 3a. above.
Comment No. 3f:  PCP2 (IEX Control Panel) to FPP1?
Response No. 3f:  See response No. 3b. above.

Comment No. 3g:  RCP1A to PCP1?
Response No. 3g:  See response No. 3a. above.

Comment No. 3h:  RCP1C to PCP1?
Response No. 3h:  See response No. 3a. above.

Comment No. 4: Generator Load Bank:
Is Trystar an approved manufacturer?
Response No. 4: Yes, Trystar is an approved manufacturer.

Comment No. 5: Fixture schedule please clarify:
Comment No. 5a: D1 appears to be “D” with battery pack, but is indicated as “C” with battery pack
Response No. 5a: Refer to revised Sheet E-27 issued as part of this addendum.
Comment No. 5b: E1 appears to be “E” with battery pack, but is indicated as “D” with battery pack
Response No. 5b: Refer to revised Sheet E-27 issued as part of this addendum.

Comment No. 6: Existing Panel L1 – please provide panel schedule and panel specification details
Response No. 6: The existing panel is manufactured by Square D Company. Refer to attached Photo – 1 which shows the existing panel schedule, issued as part of this addendum.

4. Tonka Water, RFI dated March 9, 2016:
Comment No. 1: In Addendum 2, you clarify that the level sensors/transmitter on the spent regeneration waste tanks are to be provided under Section 11700. Is there a specification for these instruments?
Response No. 1: Refer to new paragraph 2.03, I, inserted into Specification Section 13310 as part of this addendum.
<table>
<thead>
<tr>
<th>CKT</th>
<th>LOAD DESCRIPTION</th>
<th>CKT</th>
<th>LOAD DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RECPTS. IN PUMP ROOM CL2 ANYL.</td>
<td>2</td>
<td>RECPTS. IN OFFICE &amp; LAB</td>
</tr>
<tr>
<td>3</td>
<td>WELL PUMP 1 STARTER</td>
<td>4</td>
<td>PLUG MOLD IN LAB</td>
</tr>
<tr>
<td>5</td>
<td>P.C.P. 120V</td>
<td>6</td>
<td>GFI RECEPT. BATH, OUTSIDE</td>
</tr>
<tr>
<td>7</td>
<td>FLOW CHART</td>
<td>8</td>
<td>SPARE</td>
</tr>
<tr>
<td>9</td>
<td>PRESSURE CHART</td>
<td>10</td>
<td>STORAGE SHED BLDG LIGHTS</td>
</tr>
<tr>
<td>11</td>
<td>ENG STOP</td>
<td>12</td>
<td>HSP MOTOR HTRS</td>
</tr>
<tr>
<td>13</td>
<td>LIGHTS OFFICE, BATH LAB</td>
<td>14</td>
<td>LIGHTS IN PUMP ROOM</td>
</tr>
<tr>
<td>15</td>
<td>SPARE</td>
<td>16</td>
<td>GFI RECEPT. LAB COUNTER</td>
</tr>
<tr>
<td>17</td>
<td>A/C UNIT</td>
<td>18</td>
<td>GATE</td>
</tr>
<tr>
<td>19</td>
<td>A/C UNIT</td>
<td>20</td>
<td>MOTOR HEATERS ON WALL</td>
</tr>
<tr>
<td>21</td>
<td>ALARM PANEL RECPT.</td>
<td>22</td>
<td>POLE &amp; WALL LIGHTS</td>
</tr>
<tr>
<td>23</td>
<td>REFRIGERATOR IN LAB</td>
<td>24</td>
<td>POLE &amp; WALL LIGHTS</td>
</tr>
<tr>
<td>25</td>
<td>WELL PUMP 3 STARTER</td>
<td>26</td>
<td>A.H.U. -1</td>
</tr>
<tr>
<td>27</td>
<td>PANEL GEN ROOM</td>
<td>28</td>
<td>A.H.U. -1</td>
</tr>
<tr>
<td>29</td>
<td>PANEL GEN ROOM</td>
<td>30</td>
<td>HOT WATER</td>
</tr>
<tr>
<td>31</td>
<td>PANEL GEN ROOM</td>
<td>32</td>
<td>HOT WATER</td>
</tr>
<tr>
<td>33</td>
<td>PIT. RECPTS &amp; PIT PUMP</td>
<td>34</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td></td>
<td>36</td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>SURGE PROTECTION</td>
<td>38</td>
<td>PANEL L-2 CHLORINE BLDG</td>
</tr>
<tr>
<td>39</td>
<td>SURGE PROTECTION</td>
<td>40</td>
<td>PANEL L-2 CHLORINE BLDG</td>
</tr>
<tr>
<td>41</td>
<td>SURGE PROTECTION</td>
<td>42</td>
<td>PANEL L-2 CHLORINE BLDG</td>
</tr>
</tbody>
</table>

Photo – 1: Existing Panel L1 (Panel Schedule)

END OF ADDENDUM No. 3
WTP NO. 1 ELECTRICAL BUILDING &
HSP BUILDING PROPOSED ELECTRICAL PLAN

NOTE:
1. REFER TO SHEET 'E-12' DRAWING FOR CONDUIT AND WIRE REQUIREMENTS.
2. OPEN PANEL (PMP-1) TO EXPOSE CIRCUIT BREAKER FOR EXISTING PANEL L1 TO FEED OHM MEASUREMENTS.
3. INSTALL CONDUIT UNDERGROUND IN THE EXISTING CONCRETE SLAB, PAVEMENT AND SOIL. RESTORE EXISTING CONCRETE SURFACE AT END OF CONSTRUCTION. SEE SHEET 'E-10' FOR ACCESSMENT.
4. PLUMB CONDUITS ABOVE CEILING IF NOT HERET. THEN REVEST TO UNDERGROUND IN CONCRETE SLAB TO OHM ELECTRICAL BUILDING.

WTP NO.1 ELECTRICAL BLDG, & HSP BLDG
PROPOSED ELECTRICAL PLAN

SIDES 10'-0" X 10'-0"

SCALE: 1" = 1'-0"

ADDITIONAL INFORMATION:
-יהוד to single line diagram for conduit and wire requirements.
-Open panel (PMP-1) to expose circuit breaker for existing panel L1 to feed OHM measurements.
-Install conduit underground in the existing concrete slab, pavement, and soil. Restore existing concrete surface at end of construction. See sheet 'E-10' for accessment.
-Plumb conduits above ceiling if not here. Then revest to underground in concrete slab to OHM electrical building.

ADDITIONAL INFORMATION:
- дополнительная информация.
- дополнительная информация.
- дополнительная информация.
- дополнительная информация.
PCP-1 BACKUP LOGIC DIAGRAM

PCP-1 FRONT VIEW