INVITATION FOR BIDS: CCK-2283-18
RESEARCH BUILDING #2: Construct Spline Utilities: Chiller 6 and CUP Building Revisions
Bid Package 8, Trade Category 23V, Chiller #6 Mechanical & Plumbing and Trade Category 26V,
Chiller #6 Electrical, Project #2425.0

ADDENDUM # 5
April 17, 2018

ATTENTION: This is not an order. Read all instructions, terms and conditions carefully.

IMPORTANT:
BID AND ADDENDUM MUST BE RECEIVED BY 4/24/18 @ 3:00 P.M. LEXINGTON, KY TIME.

Bidder must acknowledge receipt of this and any addendum as stated in the Invitation for Bids.

1. Please refer to and incorporate within the Offer, the attached specification 024119, Selective Demolition.

2. Also, refer to and include within the Offer, the attached Written Questions and Answers Research Building #2,
   Construct Spline Utilities: Chiller 6 and CUP Building Project #2425.0 CCK-2283-28.

OFFICIAL APPROVAL
UNIVERSITY OF KENTUCKY

Mike Mudd / (859) 257-5409

SIGNATURE

Typed or Printed Name
SECTION 024119 - SELECTIVE DEMOLITION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Demolition and removal of selected portions of building or structure.
2. Demolition and removal of selected site elements.
3. Salvage of existing items to be reused or recycled.

1.3 DEFINITIONS

A. Remove: Detach items from existing construction and dispose of them off-site unless indicated to be salvaged or reinstalled.

B. Remove and Salvage: Detach items from existing construction, in a manner to prevent damage, and deliver to Owner.

C. Remove and Reinstall: Detach items from existing construction, in a manner to prevent damage, prepare for reuse, and reinstall where indicated.

D. Existing to Remain: Leave existing items that are not to be removed and that are not otherwise indicated to be salvaged or reinstalled.

E. Dismantle: To remove by disassembling or detaching an item from a surface, using gentle methods and equipment to prevent damage to the item and surfaces; disposing of items unless indicated to be salvaged or reinstalled.

1.4 MATERIALS OWNERSHIP

A. Unless otherwise indicated, demolition waste becomes property of Contractor.

B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.

1. Carefully salvage in a manner to prevent damage and promptly return to Owner.
1.5 PREINSTALLATION MEETINGS

A. Predemolition Conference: Conduct conference at Project site.
   1. Inspect and discuss condition of construction to be selectively demolished.
   2. Review structural load limitations of existing structure.
   3. Review and finalize selective demolition schedule and verify availability of materials, demolition personnel, equipment, and facilities needed to make progress and avoid delays.
   4. Review requirements of work performed by other trades that rely on substrates exposed by selective demolition operations.
   5. Review areas where existing construction is to remain and requires protection.

1.6 INFORMATIONAL SUBMITTALS

B. Proposed Protection Measures: Submit report, including Drawings, that indicates the measures proposed for protecting individuals and property, for environmental protection, for dust control and for noise control. Indicate proposed locations and construction of barriers.
C. Schedule of Selective Demolition Activities: Indicate the following:
   1. Detailed sequence of selective demolition and removal work, with starting and ending dates for each activity. Ensure Owner's on-site operations are uninterrupted.
   2. Interruption of utility services. Indicate how long utility services will be interrupted.
   3. Coordination for shutoff, capping, and continuation of utility services.
   4. Use of elevator and stairs.
   5. Coordination of Owner's continuing occupancy of portions of existing building and of Owner's partial occupancy of completed Work.
D. Predemolition Photographs or Video: Show existing conditions of adjoining construction, including finish surfaces, that might be misconstrued as damage caused by demolition operations.
E. Warranties: Documentation indicating that existing warranties are still in effect after completion of selective demolition.

1.7 CLOSEOUT SUBMITTALS

A. Inventory: Submit a list of items that have been removed and salvaged.

1.8 FIELD CONDITIONS

A. Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted.
B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
C. Notify Architect of discrepancies between existing conditions and Drawings before proceeding with selective demolition.
D. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
   1. If suspected hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.

E. Storage or sale of removed items or materials on-site is not permitted.

F. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.
   1. Maintain fire-protection facilities in service during selective demolition operations.

1.9 WARRANTY

A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during selective demolition, by methods and with materials and using approved contractors so as not to void existing warranties. Notify warrantor before proceeding.

B. Notify warrantor on completion of selective demolition, and obtain documentation verifying that existing system has been inspected and warranty remains in effect. Submit documentation at Project closeout.

1.10 COORDINATION

A. Arrange selective demolition schedule so as not to interfere with Owner's operations.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.

B. Standards: Comply with ASSE A10.6 and NFPA 241.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that utilities have been disconnected and capped before starting selective demolition operations.

B. Review Project Record Documents of existing construction or other existing condition and hazardous material information provided by Owner. Owner does not guarantee that existing conditions are same as those indicated in Project Record Documents.
C. Perform an engineering survey of condition of building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of structure or adjacent structures during selective building demolition operations.

1. Perform surveys as the Work progresses to detect hazards resulting from selective demolition activities.

D. Survey of Existing Conditions: Record existing conditions by use of measured drawings, preconstruction photographs or video and templates.

1. Inventory and record the condition of items to be removed and salvaged. Provide photographs or video of conditions that might be misconstrued as damage caused by salvage operations.
2. Before selective demolition or removal of existing building elements that will be reproduced or duplicated in final Work, make permanent record of measurements, materials, and construction details required to make exact reproduction.

3.2 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

A. Existing Services/Systems to Remain: Maintain services/systems indicated to remain and protect them against damage.

B. Existing Services/Systems to Be Removed, Relocated, or Abandoned: Locate, identify, disconnect, and seal or cap off utility services and mechanical/electrical systems serving areas to be selectively demolished.

1. Owner will arrange to shut off indicated services/systems when requested by Contractor.
2. If services/systems are required to be removed, relocated, or abandoned, provide temporary services/systems that bypass area of selective demolition and that maintain continuity of services/systems to other parts of building.
3. Disconnect, demolish, and remove fire-suppression systems, plumbing, and HVAC systems, equipment, and components indicated on Drawings to be removed.

   a. Piping to Be Removed: Remove portion of piping indicated to be removed and cap or plug remaining piping with same or compatible piping material.
   b. Piping to Be Abandoned in Place: Drain piping and cap or plug piping with same or compatible piping material and leave in place.
   c. Equipment to Be Removed: Disconnect and cap services and remove equipment.
   d. Equipment to Be Removed and Reinstalled: Disconnect and cap services and remove, clean, and store equipment; when appropriate, reinstall, reconnect, and make equipment operational.
   e. Equipment to Be Removed and Salvaged: Disconnect and cap services and remove equipment and deliver to Owner.
   f. Ducts to Be Removed: Remove portion of ducts indicated to be removed and plug remaining ducts with same or compatible ductwork material.
   g. Ducts to Be Abandoned in Place: Cap or plug ducts with same or compatible ductwork material and leave in place.

3.3 PROTECTION

A. Temporary Protection: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
1. Provide protection to ensure safe passage of people around selective demolition area and to and from occupied portions of building.
2. Provide temporary weather protection, during interval between selective demolition of existing construction on exterior surfaces and new construction, to prevent water leakage and damage to structure and interior areas.
3. Protect walls, ceilings, floors, and other existing finish work that are to remain or that are exposed during selective demolition operations.
4. Cover and protect furniture, furnishings, and equipment that have not been removed.
5. Comply with requirements for temporary enclosures, dust control, heating, and cooling specified in Section 015000 "Temporary Facilities and Controls."

B. Temporary Shoring: Design, provide, and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished.

1. Strengthen or add new supports when required during progress of selective demolition.

C. Remove temporary barricades and protections where hazards no longer exist.

3.4 SELECTIVE DEMOLITION, GENERAL

A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:

1. Proceed with selective demolition systematically, from higher to lower level. Complete selective demolition operations above each floor or tier before disturbing supporting members on the next lower level.
2. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping. Temporarily cover openings to remain.
3. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
4. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain portable fire-suppression devices during flame-cutting operations.
5. Maintain fire watch during and for at least two hours after flame-cutting operations.
7. Remove decayed, vermin-infested, or otherwise dangerous or unsuitable materials and promptly dispose of off-site.
8. Remove structural framing members and lower to ground by method suitable to avoid free fall and to prevent ground impact or dust generation.
9. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
10. Dispose of demolished items and materials promptly. Comply with requirements in Section 017419 "Construction Waste Management and Disposal."

B. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
C. Removed and Salvaged Items:
   1. Clean salvaged items.
   2. Pack or crate items after cleaning. Identify contents of containers.
   3. Store items in a secure area until delivery to Owner.
   4. Transport items to Owner's storage area designated by Owner.
   5. Protect items from damage during transport and storage.

D. Removed and Reinstalled Items:
   1. Clean and repair items to functional condition adequate for intended reuse.
   2. Pack or crate items after cleaning and repairing. Identify contents of containers.
   3. Protect items from damage during transport and storage.
   4. Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.

E. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location during selective demolition and cleaned and reinstalled in their original locations after selective demolition operations are complete.

3.5 SELECTIVE DEMOLITION PROCEDURES FOR SPECIFIC MATERIALS

A. Concrete: Demolish in small sections. Using power-driven saw, cut concrete to a depth of at least 3/4 inch (19 mm) at junctures with construction to remain. Dislodge concrete from reinforcement at perimeter of areas being demolished, cut reinforcement, and then remove remainder of concrete. Neatly trim openings to dimensions indicated.

B. Concrete: Demolish in sections. Cut concrete full depth at junctures with construction to remain and at regular intervals using power-driven saw, and then remove concrete between saw cuts.

C. Masonry: Demolish in small sections. Cut masonry at junctures with construction to remain, using power-driven saw, and then remove masonry between saw cuts.

D. Concrete Slabs-on-Grade: Saw-cut perimeter of area to be demolished, and then break up and remove.

3.6 DISPOSAL OF DEMOLISHED MATERIALS

A. Remove demolition waste materials from Project site and dispose of them in an EPA-approved construction and demolition waste landfill acceptable to authorities having jurisdiction and recycle or dispose of them according to Section 017419 "Construction Waste Management and Disposal."

   1. Do not allow demolished materials to accumulate on-site.
   2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
   3. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.
   4. Comply with requirements specified in Section 017419 "Construction Waste Management and Disposal."
B. Burning: Do not burn demolished materials.

3.7 CLEANING

A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

END OF SECTION 024119
<table>
<thead>
<tr>
<th>NO.</th>
<th>QUESTION</th>
<th>RESPONDER</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>On page 22 Article 32 the specs talk of dust partitions. To what extent are they to be built. I assume they are for the concrete cutting. Do the dust partitions need to have a negative pressure? Please explain.</td>
<td>WT</td>
<td>Dust control will conform to OSHA Crystalline silicate requirements and as generally appropriate for dust mitigation in construction. Negative Air is not required.</td>
</tr>
<tr>
<td>2</td>
<td>The specifications call for painting the exterior piping but not the interior piping. Does the piping in this bid need to be painted and if so, please send us the specification for the colors?</td>
<td>AEI</td>
<td>All piping to be painted – refer to added Div 09 spec. -AEI Chicago- REVISED RESPONSE 4.6.18</td>
</tr>
<tr>
<td>3</td>
<td>Once we are complete, do we need to paint or finish the floor? If so, what is the spec?</td>
<td>Champlin</td>
<td>New concrete curbs in CUP are to be painted yellow. Concrete floors are to be finished to match existing concrete floors. See Spec Section 099123</td>
</tr>
<tr>
<td>4</td>
<td>Your unit prices are not specific. Please be more specific.</td>
<td>WT</td>
<td>Make best judgement as a subject matter expert to provide as accurate as possible unit price as requested. If unable input N/A.</td>
</tr>
<tr>
<td>5</td>
<td>Special conditions Article 42 call for $50,000,000.00 umbrella liability insurance. Is this correct?</td>
<td>WT</td>
<td>Subcontractors bidding this work will be required to obtain insurance per Exhibit A of the Subcontract agreement provided in bid documents</td>
</tr>
<tr>
<td>6</td>
<td>Does bid package 26V provide any electrical? Specifically the power connections for the Sewage Ejectors and the VFD’s.</td>
<td>WT</td>
<td>26V is the electrical scope in this bid package. All electrical work is to be considered within this work scope.</td>
</tr>
<tr>
<td>7</td>
<td>Do we need to provide a Port-O-Let or can we use the facilities in the CUP building?</td>
<td>WT</td>
<td>Port – o – lets are to be provided per the scope. UK facilities are not to be utilized by Subcontractors performing work under this agreement.</td>
</tr>
<tr>
<td>8</td>
<td>In the 26V as well as the 23V specs it mentions wiring for the VFD’s. Who performs this work?</td>
<td>WT</td>
<td>Wiring of VFDs will be performed by 26V excepting where 23V has controls wiring to be performed under their work scope.</td>
</tr>
<tr>
<td>9</td>
<td>Per spec section 221314-6 3.3, what is the concrete sump coating for?</td>
<td>AEI</td>
<td>Not needed. -AEI Chicago</td>
</tr>
<tr>
<td>10</td>
<td>Per spec section 232116-4 1.6-c-b, butt welds shall be tested by means of radiography. Is this required?</td>
<td>AEI</td>
<td>Yes, this requirement is standard for all projects including the base scope Spline project. -AEI Chicago</td>
</tr>
<tr>
<td>11</td>
<td>Is the 20” CTS and CTR piping A53B ERW or A106 seamless?</td>
<td>AEI</td>
<td>Per spec 232116-2.2.B, 20” CTS/R shall be ASTM A53, Grade B, Type E or S, Schedule Standard, black steel -AEI Chicago</td>
</tr>
<tr>
<td>12</td>
<td>On sheet H200.8, there is a note between columns 4 and 5 at the top of the page that states to reroute the existing sprinkler line. Can you give us more information on this note?</td>
<td>WT</td>
<td>You will need to be more specific. Where conflict arises with sprinkler line the sprinkler lines must be rerouted by 23V.</td>
</tr>
<tr>
<td>13</td>
<td>For clarification, the plans show that there is an existing 16” butterfly valve at the CHW connection in the new piping that penetrates the basement floor but there is no valve there in the building? Please clarify if a valve needs to be installed here or if it is in the previous package.</td>
<td>WT</td>
<td>Valve needs to be installed</td>
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<td>Question</td>
<td>Answer</td>
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<tr>
<td>There is also a note on sheet H200.8 on the right side above column line G that states to relocate sprinkler lines, sanitary waste lines, tower water and conduits. Please be more specific on this note.</td>
<td>Bidding Subcontractors need to be prepared to move any conflicting lines within the CUP Building.</td>
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<td>On sheet H201.8, piping system CWR both the chiller detail and the piping diagram show one 16” butterfly valve between the chiller and PC-6 but the HVAC chilled water diagram on H702.8 shows 2 – 16” butterfly valves. Which is correct?</td>
<td>The butterfly valve on level 1 on sheet H201.8 is a new 16” valve. The butterfly valve in the basement on H200.8 is an existing valve (installed in Spline project) that will have a new pipe connection. -AEI Chicago</td>
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<td>Is the chilled water piping standard wall or true SCH 40?</td>
<td>CHW Piping is standard wall. -AEI Chicago</td>
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<tr>
<td>Who will supply the refrigerant for the chiller? Bid package 23V or the owner?</td>
<td>Per the pre-purchased Chiller submittal, the initial charge of refrigerant and oil will be supplied by the manufacturer, shipped in containers and cylinders for field installation or factory charged in the chiller. -AEI Chicago</td>
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<td>What is the budget for this project?</td>
<td>We anticipate total value for this trade package to fall between 1.6 – 2.2 Million</td>
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<td>The pipe hanger detail 5/H400.7 is for 8” and smaller. What hanger is specified for the piping above 8”?</td>
<td>AEI will include pipe hanger detail for above 8” pipe in forthcoming addendum. -AEI Chicago</td>
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<tr>
<td>Per spec section 23-2118-3, you have rated the butterfly valves as 150 psi dead end pressure. In the past, U/K’s specification has been 250 psi dead end pressure. Which is correct?</td>
<td>150 psi dead end pressure is correct. This was changed during VE efforts for the Spline project and carried over into BP8. -AEI Chicago</td>
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<td>In addenda #1, TOC-1 says 02 4119 selective demo is to be added. I did not see this spec section in the addenda? Please provide.</td>
<td>Section 024119 Added to project manual.</td>
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<tr>
<td>On sheet H201.8 note #6 states to remove existing condensate drain and 2 air vent pipes to make space for CTS pipe down thru the floor and to re install. Where is this note and what work is there for us to</td>
<td>H201.8 note #6 does not apply and shall be removed. -AEI Chicago</td>
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<td>H300.8 on the CW bypass, what type of valve is between the two 1-1/2” gate valves and is this to be a control valve?</td>
<td>This is a ball control valve. -AEI Chicago</td>
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<td>Is a stress analysis report required for this project?</td>
<td>No, stress analysis for boiler blowdown is not required. -AEI Chicago</td>
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<td>Spec section 23 2118-7, check valves are specified for 3” and 4”. What is the spec for the 6” check valve?</td>
<td>Check valves for 6” shall follow spec for 3” and 4”. -AEI Chicago</td>
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<tr>
<td>26) Sheet H702.8 – 4” and 6” soft water piping has a symbol for a 6” gate valve but no spec. Can we use a butterfly valve?</td>
<td>Yes, a 6” butterfly valve is acceptable. -AEI Chicago</td>
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<td>Is it correct that the 10” vent for the blow down tank is type K copper tubing?</td>
<td>Per 232116.2.6.A, use pipe and pipe fittings as indicated for the system to which relief valve or vent is connected. Tank is steel, so vent should be steel. -AEI Chicago.</td>
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<tr>
<td>Are we using Whiting-Tuner Umbrella Excess Liability Insurance ($5,000,000 aggregate) or UK Special Conditions article #42 ($50,000,000 aggregate) forbidding costs.</td>
<td>Whiting-Tuner Insurance requirements will be utilized. See Exhibit A to the Subcontract Agreement Provided</td>
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<td>Special Conditions article #25 UTILITIES will</td>
<td>These costs will not apply to Spline</td>
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<td><strong>BIDDERS QUESTIONS</strong></td>
<td><strong>Subcontractors</strong></td>
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<tr>
<td>30 Bid schedule shows final completion 2/7/19 is this correct.</td>
<td>WT This is correct. All Schedule conflicts will be adjudicated using the primavera schedule in these bid documents. Other references are descriptive only and not meant to be contractually binding.</td>
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<tr>
<td>31 Unit prices can you specify a pipe size.</td>
<td>WT Make best reasonable judgement in applying a number to unit pricing. If you feel this is not possible enter N/A</td>
<td></td>
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</tr>
<tr>
<td>32 Is the roof bonded if not what type material do we use?</td>
<td>WT Roof is a Hypalon type system. Subcontractors will flash back with EPDM type material such that this flashing will hold for minimum of 1 year.</td>
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<td>33 Is there any temporary piping to install.</td>
<td>WT Only if called for in the contract documents</td>
<td></td>
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<tr>
<td>34 All concrete is to be bid pack 23V.</td>
<td>WT Excepting concrete work associated with transformer, all concrete to be performed by 23V</td>
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<tr>
<td>35 Section 2000000 item (F )Painting refers to division #09 there is no division #09 in the specifications.</td>
<td>AEI Refer to added section 09 spec -AEI Chicago- REVISED RESPONSE 4.6.18</td>
<td></td>
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<tr>
<td>36 Section 232116 Pipe and Fittings Item 3.14 (B) is the hydro-jet equipment necessary for flushing the interior pipe system.</td>
<td>WT Yes</td>
<td></td>
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</tr>
<tr>
<td>37 Drawing H200.8 note #8 rerouting sprinkler, sanitary, tower water and electrical to install new pump can we get a drawing showing sizes and routing for these Utilities.</td>
<td>AEI No drawings for these utilities are available. Contractor to field verify. -AEI Chicago</td>
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</tr>
<tr>
<td>38 In regards to the project above, I am inquiring to see if a pre-bid sign-in sheet is available</td>
<td>UK Minutes and Sign in Sheets will not be posted from pre-bid meeting.</td>
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<tr>
<td>40 I was reviewing Addendum #1 for the Spline Utilities: Chiller 6 project. It appears that the wrong control spec is being used. I marked up a few items on one of the sheets that lead me to believe the Medical Center’s Spec was used instead of the UK’s Delta Room Spec. Could you please confirm that this project is to be tied into the Delta room, similar to the previous Cup Chiller projects?</td>
<td>AEI Project is to be tied into the Delta Room, not the medical center. -AEI Chicago</td>
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<tr>
<td>41 Per detail 2/H401.8, what is the bottom and side thickness of the concrete for the trench drain?</td>
<td>AEI See Section 2/S200.8 for trench drain reinforced concrete- Bill Ryan 4.6.18</td>
<td></td>
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</tr>
<tr>
<td>42 Is there a top/grate to the trench drain on detail 2/H401.8?</td>
<td>AEI See plumbing schedule on P900.8 for basis of design make and model of TD-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>43 Is it correct that you are specifying no hub cast iron for the sewage ejector #2 pump discharge piping?</td>
<td>AEI Correct- AEI Chicago</td>
<td></td>
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</tr>
<tr>
<td>44 On sheet P200.8 note #2, reference the drain for the condenser water retention tank. Is the piping material carbon steel and can we use a butterfly valve instead of a flanged ball valve?</td>
<td>AEI See details 2 &amp; 3 on H200.8- AEI Chicago</td>
<td></td>
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</tr>
<tr>
<td>45 Sec section 23 2116-17 (Pipe Painting 3.15 C) says that all interior piping shall be painted to match existing in the plant. I know that U/K has specific colors to match. Can you list the specific colors for each system that needs painting?</td>
<td>Champlin Contractor to submit colors for approval prior to painting. See Spec. Section 099123 paragraph 1.4.</td>
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<td></td>
<td>BIDDERS QUESTIONS</td>
<td>Champlin</td>
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<tr>
<td>46</td>
<td>Spec section 02 4119 (selective demo) was listed in the specifications as well as in the addenda, but I still did not see the spec section in either the spec book or the addenda. Please provide this spec section.</td>
<td>Champlin</td>
<td>See attached Spec Section 024119</td>
</tr>
<tr>
<td>47</td>
<td>Spec section 09 9113 refers to exterior painting. Is there any exterior painting? I did not see any exterior work. Is this part of package 26V?</td>
<td>Champlin</td>
<td>Exterior painting Spec Section included should a need develop such as damaged bollards, siding, etc.</td>
</tr>
<tr>
<td>48</td>
<td>No colors were listed in spec section 09 9123. Please provide.</td>
<td>Champlin</td>
<td>See responses to questions #3 and #45.</td>
</tr>
<tr>
<td>49</td>
<td>Spec section 09 9123 lists cast in place concrete to be painted. Are the trench drains to be painted? If so, what color?</td>
<td>Champlin</td>
<td>No.</td>
</tr>
<tr>
<td>50</td>
<td>Are the steel supports as shown in detail 2/H401.8 and in spec section 09 9123 to be painted? If so, what color?</td>
<td>AEI</td>
<td>Provide galvanized still supports as per Spec Section 20 0529.</td>
</tr>
<tr>
<td>51</td>
<td>Question #3 in addenda #2 asks if we needed to paint the floors. The only floors that have paint on them are where the new chiller is to be installed. Are we required to re-paint that floor?</td>
<td>Champlin</td>
<td>If existing lines on floor are damaged they should be repaired.</td>
</tr>
<tr>
<td>52</td>
<td>Question #41 in addenda #2 refers to the concrete trench in the boiler room not the trench drain. Does the concrete pipe trench have a top or a grate?</td>
<td>AEI</td>
<td>Refer to detail 1 on S201.8 for trench cover requirements. – AEI Chicago</td>
</tr>
</tbody>
</table>