

# University of Louisville

PURCHASING DEPARTMENT  
LOUISVILLE, KENTUCKY

Invitation No: IB-60-12

Date: March 5, 2012

Title: Student Recreation Center, BC-4 General Contractor

Addendum No. Two (2)

The following shall clarify and/or modify the original bid document(s) as issued by the University of Louisville.

1. **Add the attached Additions, Changes and Clarifications to this Invitation to Bid.**
  - Architectural pages 1-4, 7 Drawings
  - Mechanical page 1, 14 Drawings
  - Site Pages 1-3, 5 Drawings
  - Structural Pages 1-3, 32 Drawings
  
2. **Change Bid Opening Date to March 20, 2012 at 2:00 PM**

Bidder must acknowledge receipt of this and any addenda either with bid or by separate letter. Acknowledgement must be received in the Office of Purchasing, Service Complex Building, University of Louisville not later than **March 20, 2012 at 2:00 PM**. If by separate letter, the following information must be placed in the lower left hand corner of the envelope:

Invitation No: IB-60-12

Title: Student Recreation Center, BC-4 General Contractor

Open Date: March 20, 2012 at 2:00 PM

BY: Curtis Monroe  
Authorized Purchasing Officer

Receipt Acknowledged: \_\_\_\_\_  
FIRM

BY: \_\_\_\_\_



highlighted text = items not  
inserted in architectural  
specs/drawings

## ADDENDUM NUMBER TWO (ARCHITECTURAL ITEMS)

Bidders shall conform to the following changes, as same shall become binding on the Contract to be issued in response to this Invitation to Bid.

### PRODUCT INFORMATION

For all of the product information listed below, Bidders are reminded that the listing of a manufacturer in this document is in no way an endorsement or approval of the manufacturer's products, nor is it a waiver of any specified criteria. All bidders must comply with the criteria originally specified.

**Fluid Applied Membrane Air Barriers (072726)** – The following manufacturer may offer products that meet the specified criteria for fluid applied membrane air barriers:

BASF Wall Systems, Inc., 3550 St. Johns Bluff Road South, Jacksonville, Florida 32224  
(904) 996-6312 www.wallsystems.basf.com

Sto Corp.,  
(214) 660-0967 www.klilly@stocorp.com

**Insulated Metal Wall Panels (074213)** – The following manufacturer may offer products that meet the specified criteria for Insulated Metal Wall Panels:

Firestone Metal Products  
(800) 426-7737 www.firestonemetal.com

**Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (075216)** – The following manufacturers are **NOT** approved for submitting products for SBS modified bituminous membrane roofing:

GAF  
Firestone Building Products  
Cetainteed Corporation

**Resilient Athletic Flooring (096566)** – The following manufacturer may offer products that meet the specified criteria for resilient athletic flooring:

Champion Flooring  
(620) 232-2671 www.championflooring.biz

Connor Sports Surfaces Solutions  
(800) 283-9522 www.connorfloor.com

Dynamic Sports Construction, Inc., 301 Sonny Drive, Leander, Texas 78641  
(512) 260-6722

Mats, Inc.  
(800) MATS-INC www.matsinc.com

**Operable Panel Partitions (102238)** – The following manufacturer may offer products that meet the specified criteria for operable panel partitions:

Customfold, Inc., P.O. Box 278, Stoneboro, Pennsylvania 16153  
(724) 376-8565 www.customfold.com

**Scoreboards (116643)** – The following manufacturer may offer products that meet the specified criteria for scoreboards:

Sportable Scoreboards, 106 Max Hurt Drive, Murray, Kentucky 42071  
(800) 323-7745 www.sportablescoreboards.com

**Metal Lockers (105133)** – The following manufacturers are **NOT** approved for submitting products for metal lockers:

Lightning Lockers, LLC., 1119 Water Street, Toledo, Ohio 43604  
(800) 497-6895 www.templeinland.com

**Hydraulic Elevators (142400)** – The following manufacturer may offer products that meet the specified criteria for hydraulic elevators:

D-C Elevators, 124 Venture Ct., Suite 1, Lexington, Kentucky 40511  
(859) 254-8224 www.dcelevatorco.com

### CORRECTIONS, CLARIFICATIONS & ADDITIONS

1. **Clarification:** (Reference Specification Section 010800 “General Commissioning Requirements”, Paragraph 1.08 “Scheduling”) Include the following: “Incorporate requirements for commissioning of systems into the Qualifications Construction Schedule. This will include pre-functional tests and Owner training requirements. Functional tests must be completed by Substantial Completion.”
2. **Clarification:** (Reference drawing A-113) The Owner will be purchasing high density movable shelving for room “Equipment 115C”. The rails for this shelving unit will be recessed into the concrete flooring. The Contractor shall coordinate with the Owner’s shelving manufacturer to insure the rails are installed by the Contractor properly into the first floor slab. Shelving rails to be Owner Furnished / Contractor Installed.
3. **Clarification:** (Reference drawings G-2 through G-5) Hatch showing intumescent fireproofing versus spray fireproofing in the plans references locations of each on supporting steel floor/roof structure and floor/roof decking where required. The hatch on the plans does NOT indicated the type of fireproofing for the columns. For fireproofing type for all columns refer to the “Fireproofing General Notes” on sheets G-2 through G-5 for columns to receive intumescent fireproofing and columns to receive spray fireproofing.
4. **Correction:** (Reference drawing A-113 and S0108) Recessed floor slab in Vestibule 199 will NOT be required.
5. **Addition:** (Reference Specification Section 96466 “Wood Athletic Flooring”, Paragraph 2.5 “Finishes”, Item 3) Add item b. Provide cardinal bird logo graphic at mid court circle typical for each of six basketball court floors. Owner to provide digital file of graphic and colors required for Contractor’s use. Size of graphic to be 5’ radius in the 6’ radius midcourt circle. Graphic will be the same as shown on title block of all drawings.
6. **Addition:** (Reference Specification Section 96566 “Resilient Athletic Flooring”, Paragraph 2.3 “Rubber Sheet Flooring RAF-2 (MAC Gym)”, Item G) Add item g. Provide cardinal bird logo graphic at mid court circle of MAC floor. Owner to provide digital file of graphic and colors required for Contractor’s use. Size of graphic to be 4’ radius in the 5’ radius midcourt circle. Graphic will be the same as shown on title block of all drawings.
7. **Clarification:** (Reference Drawing A-1200, Finish Legend) Finishes colors are not yet confirmed and will be selected from the manufacturers full range of colors during the submittals phase of the project.
8. **Clarification:** (Reference Drawing A-1201, Finish Schedule) Womens Showers 116B and Mens Showers 120B to receive ceramic tile full height on all wall surfaces.
9. **Addition:** (Reference Front End Document Evaluation Process, Evaluation Criteria, Part 1, Paragraph d. Site Implementation Plan) Add the following requirements with submittal: “In addition to the above the contractor shall provide a preliminary schedule of the project assuming a starting date of March 19th, 2012 and a final completion date of August 1st, 2013 (Do not consider alternates in the schedule). The schedule may be a simplified bar chart or a comprehensive CPM type. In either case major milestones shall be indicated and represent a clear understanding of the major tasks, staging, sequencing, construction activities, and requirements of the owner and consultants, to insure construction phase that will meet the completion goals of the University including incorporating work of prior Bid Packages”.
10. **Addition:** (Reference Specification Section 011000 “Summary of Work” Subsequent Work) Add to list item g: “Wayfinding Signage throughout the building” and item h: “TRX” ceiling mounted athletic equipment located in Room 204”.
11. **Clarification:** (Reference Specification Section 011000 “Summary of Work” Subsequent Work) Prior Bid Packages: Bid Package, Phase #2 for Special Inspections was awarded to AMEC of Louisville, KY. Bid Package, Phase #3 was awarded to Geiger & Peters, Inc. of Indianapolis, IN. The Base bid of \$4,941,000 was accepted. No alternates were accepted. The Bid Package, Phase 4 – General Contractor shall include in their bid the assignment of the Payment and Performance Bond for this portion of the work. Refer to attachment for UofL Sample document sent in Addendum #1. As noted in Summary of Work, The Bid Package, Phase #4 General Contractor Best Value shall review and be fully aware of the scope of work, and assignment of work in

- the 3 prior Bid Packages. Contract Documents are available from Zen Reprographics for a non-refundable fee.
12. **Correction:** (Reference Specification Section 084113 “Storefront” and 084413 “Curtain Walls”) Walter & Company shall read: Waltek & Company.
  13. **Clarification:** (Reference Specification Section 013300 “Submittal Procedures”) Include the Owner in the Distribution List for Submittals. Under Part 1 Transmittal form, delete line item 1.5.D.5.6. Under Part 2 2.1.c.4 BIM Files, note that this requirement is at contractor’s option.
  14. **Clarification:** General Contractor Best Value shall be responsible for Bid Package #3 Steel Package management for Specification sections 012500, 012600, 012900, 013100, 013200, 013300, 014000, 015000, 016000, 017300, 017419, 017700, 017839, and 018113.13
  15. **Clarification:** (Reference all wall sections A-400 Series Drawings) Provide abrasive blast architectural concrete finish as specified in section 033300 on all above grade exposed to view cast-in-place concrete.
  16. **Correction:** (Reference Specification Section 142400 “Hydraulic Elevators”) Rated Load shall be 4,500 lbs in lieu of 3,000 lbs indicated. This is consistent with the basis-of-design product.
  17. **Clarification:** (Reference Specification Section 042000 “Unit Masonry”) Under Article 2.9 delete Item B. Note that under Article 3.6.D that friction fitting of insulation is not permitted. Under Article 3.15.C add requirement to turn buck boards back from finished brick or CMU walls at days end or when rain is eminent.
  18. **Correction:** (Reference Specification Section 042300 “Reinforced Unit Masonry”) Delete all references to Textured, glazed, or sound absorbing CMU, as there are none of these products in the project.
  19. **Addition:** (Reference Specification Section 071900 “Water Repellants”) Add the following to article 1.8 Project Conditions item 8: Cover and protect all non-masonry adjacent substrates from contact with water repellants including metals during application.
  20. **Clarification:** (Reference Specification Section 074213 “Joint Sealants”, Article 2.6) Backer rods shall be 2-times the width of the joint.
  21. **Correction:** (Reference Specification Section 074213.19 “Insulated Metal Wall Panels”) Laminated-Insulated cores will not be considered per Article 2.2.B.7. Only Spray-foamed insulation is acceptable. Revise Metecno’s Benchmark DW2000H product to read DW4000H. Under 2.4.B, In-Line forming is acceptable. Under 2.1 Performance Requirements, system shall comply with AAMA 508-07 pressure-equalization verification test. Under Warranty Article 1.11, delete reference to Manufacturer’s responsibility for “Aluminum Storefront and Curtainwall”. All other warranty provisions to remain for Manufacturer.
  22. **Correction:** (Reference Specification Section 074213.19 “Insulated Metal Wall Panels”, 2.2.B.2.a) Exterior and interior facing thickness to be .022” (.056 mm) in lieu of the .034” (.86 mm) specified. All performance requirements to be maintained.
  23. **Correction:** (Reference Specification Sections 074213.19, 08411, 084413, and 08800, “Warranty”) The Installer of the Insulated Metal Panel System does not need to be the same installer as the Aluminum Storefront, Curtainwall and Glazing Installer. Add Installer Special Warranty for all 4 Systems for a period of 3 years.
  24. **Correction:** (Reference Specification Section 084113 “Aluminum-Framed Entrance and Storefronts”) Under performance requirements, Delegated Design, subject to compliance with the performance requirements specified in Article 1.4, and subject to architect’s approval, deviations in the quantity and spacing of both horizontal and vertical framing configuration will be accepted. Members shall not exceed 4.5” in depth, but may utilize steel inserts, vary from designated assembly fabrication systems, increase member depth, and modify anchorages.
  25. **Correction:** (Reference Specification Section 01300 “Project Management and Coordination”) Delete requirement for Coordination Drawings under Article 1.6. Requirements for coordination drawings shall be at the discretion of the General Contractor Best Value.
  26. **Correction:** (Reference Specification Section 103413 “Defibrillator Cabinets”) Item #7 indicated in Summary of Work paragraph 1.11 as OFCI and also as OFCI on Sheet A-1101 schedule Item 10 shall in fact be Owner Furnished Contractor Installed. Spec Section is included as reference for basis of design.
  27. **Correction:** (Reference Specification Section 017700 “Closeout Procedures”) Add final approval letter on Special Inspections (SPIN) to list of requirements under Article 1.6. C 11.
  28. **Correction:** (Reference Specification Section 077200 “Roof Accessories”) Add Roof Safety Tieback anchors to Part 2 products section. Basis of Design shall be Tracel or approved equal. Design is based upon 5,000 Lbs Ultimate load in any direction with ¾” diameter stainless steel U-bar welded or thru bolted to structural steel frame extending 12” above roofing material. Furnish shop drawings with design delegated to Professional Engineer licensed in Kentucky and shall comply with all applicable safety codes including OSHA, ASME/ANSI.
  29. **Correction:** (Reference Specification Sections 054100 “Light Gage Metal Framing” and 054000 “Cold-

- Formed Metal Framing”) Delete specification section 054100 “Light Gage Metal Framing” and refer to 054000 “Cold-Formed Metal Framing” for requirements.
30. **Correction:** (Reference Specification Section 061000 “Rough Carpentry” and 061053 “Miscellaneous Rough Carpentry”) Delete specification section 061000 “Rough Carpentry” and refer to 061053 “Miscellaneous Rough Carpentry” for requirements.
  31. **Correction:** (Reference Specification Section 076200) Provide requirements for Roof Edge Drainage System per Section 077100 article 2.7 also specified in Section 076200 Article 3.4. Shop Drawings: Confirm that all gutters and downspouts meet calculations for rain intensities for Louisville, KY. Provide Gutter hangers = 1/8” X 1” X LR steel at 3’=0” O.C. to match color of insulated metal wall panels. Gutter spacers shall be at 3’-0” O.C. staggered from hangers below. Provide SMACNA profile splash pans. Attach downspouts to insulated metal panels per manufacturers recommendations. No exposed fasteners shall be used for any work of this section. However, pop-rivets shall be acceptable on downspout tabs only. Provide most restrictive requirements for Roof Edge Drainage System per Section 077100 article 2.7 and Section 076200 Article 3.4
  32. **Correction:** (Reference Specification Section 092400 “Portland Cement Plastering” and Section 092900 “Gypsum Board”) Delete Section 092400, and refer to Thin Coat Plaster specified in Section 092900. Also delete all reference to PVC Interior trim in Section 092900. Article 2.7 -- All fasteners shall be stainless steel in wet and high humidity areas (showers/locker rooms/restrooms). At contractor’s option provide paper or fiberglass tape.
  33. **Correction:** (Reference Specifications Section 099123 Interior Painting) Refer to Article 3.1/E&F under Section 099123 concerning acceptable substrates. Where differing opinions occur between trades on acceptable substrates for painting, the architect and owner will be arbitrator on adequate surface preparation
  34. **Correction:** (Reference Specification Section 124813 “Entrance Floor Grilles”) In Lieu of recessed floor grilles specified under Article 2.1.A Manufacturers, and delete recessed slab in this area. Provide surface mounted Entrance Floor Grilles by one of the same listed manufacturers. Provide surface mounted frame with 1 ½” wide tapered mill finished aluminum frames attached to the mat on all 4 sides. Do not provide lockdowns. Provide for full size of Vestibule. Provide Nylon Carpet bonded to 1/8” thick flexible vinyl backing to form mats 3/8” or 7/16” thick with non-raveling edges. Coordinate with door sizes.
  35. **Addition:** (Reference Specification Section 055000 “Metal Fabrications”) Delegated Design: Design Metal Fabrications, including comprehensive engineering analysis by a qualified structural engineer registered in the state of Kentucky to meet wind loads and structural loading identified on Sheet S-0006. Provide Shop Drawings for items shown as structural profiles on the architectural drawings including but not limited to angles for Louvers on Sheet A-1031, Elevator Hoistway rail guides and supports, steel stair platform framing, steel tube shown on detail 4/A-804, Slotted angles shown on detail 1/A-806 (4’ O.C.), steel plate on pipe sleeves for A-803, and loose masonry angles and lintels.
  36. **Correction:** (Reference Drawing A-802 “Roof Details”) Lightning Protection. Delete details 10, 11 and 12. Lightning protection will not be provided.
  37. **Correction:** (Reference Drawing A-801 “Roof Parapets”) Provide two layers of ¾” pressure treated plywood in lieu of wood blocking shown between top of parapet wall and metal coping. Utilize Stainless Steel fasteners, and use felt bond breaker between plywood and metal surfaces.
  38. **Addition:** Refer to attached drawings for additional and/or modified wall sections: A-423, A-424 and A-425. Replace sheet A-100 currently included in the bid documents with the attached revised A-100r. Delete Detail 3/A-411 with revised wall section included on attached sheet A-426. Refer to attached revised wall section 4/A-411r. All drawings from Omni Architects dated March 2, 2012.
  39. **Correction:** (Reference Drawing A-122, Mechanical Room 212) Wall shown does not have a wall type indicator. The wall type to be 22. Refer to attached drawing A-122r from Omni Architects dated March 2, 2012 for dimensions.
  40. **Correction:** (Reference Specification Section 123661 “Simulated Stone Countertops” and 064023 “Interior Architectural Woodwork”) Delete specification section 123661 “Simulated Stone Countertops” and refer to 064023 for solid surfacing requirements. This includes solid surfacing for countertops and backsplashes, window sills, pass-through window openings, and where shown on drawings.

End of Addendum No. 2 (Architectural Items)

**ADDENDUM NUMBER TWO (M/E/P ITEMS)**

Bidders shall conform to the following changes, as same shall become binding on the Contract to be issued in response to this Invitation to Bid.

**Mechanical**

1. Refer to sheet M0232 – Level 02 – Air Distribution – Area B; the 4” GS/GR mains routing in mechanical room M303 shall be routed next to the 24x24 Supply air duct and be held as high as possible.
2. Refer to sheet 1201 – Mechanical Schedules; Pumps P-7A and P-7B shall be all brass construction as noted in the model number.
3. Refer to sheet M1201 – Mechanical Schedules; Hydronic Pumps Schedule, refer to the attached revision sketch REV M1201-2 for electrical connection changes to pumps P-3, P-4, and P- 9.
4. Refer to specifications section 230200 PART 7 – Fan Coil Units – 7.1 IEC is an approved manufacturer.

**Plumbing**

1. Refer to sheet P0111 – refer to revision sketch REV P0111-1 for SP-2 detail.
2. Refer to sheet P0113 – Geothermal Manifold building plan. SP-1, revise to SP-2.

**Electrical**

1. Pumps 3, 4, and 9 have been revised to be 208/3P. Refer to attached revision sketches E0411-AD2.1, E0411-AD2.2, E0411-AD2.3, E0411-AD2.4, E0411-AD2.5, E0412-AD2.1, E0412-AD2.2, E0412-AD2.3, E0412-AD2.4, E0715-AD2.1, and E0715-AD2.2 for associated changes. Where pumps were removed from panels provide 20/1p spare breakers in those spaces.
2. Refer to attached sketch E1401-AD2.1 For revision to panel “ML2A” and “T-ML2A”
3. Refer to sheet UE1301- electrical feed to sump pump located in geothermal valve building is to be revised to 30A/1p breaker in panel “P1”. Contractor shall coordinate plug/disconnect requirements with pump manufacture.
4. Refer to sheet E0411- contractor shall provide a data drop to a/v racks located in room 212B. refer to audio drawings ES-04,05 for further requirements.

End of Addendum No. 2 (M/E/P Items)

## ADDENDUM NUMBER TWO (SITE ITEMS)

Bidders shall conform to the following changes, as same shall become binding on the Contract to be issued in response to this Invitation to Bid.

### General

Bid Package #1 contract documents are available to purchase from Zen Reprographics for Contractor's/Bidders' use and reference. Cost for copying shall be the Contractor's/Bidder's responsibility.

### Specifications

1. Section 321293 ARTIFICIAL TURF – Part 1, 1.1 Summary: Add paragraph B to read as:
  - B. *The basis of design for the synthetic monofilament turf shall be as provided by Vescio Sports Field, Home Field Advantage Turf. Synthetic grass manufacturers meeting the specifications listed herein shall be deemed as an equal product.*
2. Section 321293 ARTIFICIAL TURF – Part 2 B: The Stitch Gauge for the artificial grass monofilament shall be modified to **3/8"** instead of 1/2".
3. Section 321293 ARTIFICIAL TURF – Part 3.4 Installation – F.2 shall be replaced and changed to read as follows:
  2. *Infill materials shall be installed to fill the voids between the fibers and allow the fibers to remain vertical and non-directional. The Infill installation consists of a base layer of sand followed by a homogenous mixture of the sand and the cryogenically processed rubber. A final application of specifically sized cryogenically processed rubber completes the system. The Infill shall be installed to the depth of 1 3/4". Infill density shall consist of at least 3 pounds of rubber per square foot. The Infill shall be placed so that there is a void of 1/4" to the top of the fibers immediately after installation. The Contractor shall submit delivery tickets of all infill materials that verify quantity of infill utilized.*
- 1.
4. Section 321293 ARTIFICIAL TURF: All references to "slit-film" shall be substituted with **"monofilament polyethylene fibers"**.
  - 2.

### Plans

5. Sheets SD – 3.0, SD – 3.1 and SD – 3.2: Coded Note #3 shall be replaced and read as: *Remove and dispose of asphalt and stone aggregate to a depth adequate for disposition to an acceptable recycling facility in which LEED criteria will be met for recycling demolished materials.*
6. Sheet SD – 3.2: Clouded note regarding demolition dates shall read as: *Demolition and construction represented on this sheet cannot begin until **August 15, 2012**. The area will be maintained as a student parking area until that time construction will not be allowed to work and utilize the area in any way until the date indicated.*
7. Sheet SD – 3.2: Coded note #17 shall be replaced and shall read as: *Sawcut and remove asphalt pavement within pedestrian crosswalk as necessary to accommodate improvements. **Replace with concrete sidewalk per Addendum Exhibit SD E.***
8. Sheets SD – 5.0, SD – 5.1 and SD – 5.2: Coded Note #36 shall read: **"New 5" Concrete Sidewalk"**



9. Sheets SD – 5.0, SD – 5.1 and SD – 5.2: Coded Note #39 shall read: “ 4” Dia x 12” Alum. Sleeve for acceptance of (parking meter NIC): centered in stall @ 24” off curb face typ. of all parking stalls adjacent to Kurz Hall for a total of 16. Contact University Parking **before installation and verification of detail.**
10. Sheets SD – 5.0, SD – 5.1 and SD – 5.2: Coded Note #38 shall read as: *New and replaced concrete sidewalk shall be replaced at grades and alignment prior to removal for the purpose of installation of underground utilities and the new and replaced sidewalk shall match location and grades of new sidewalk to the north and the location and grades of existing sidewalk to the south.*
11. Sheets SD – 5.0, SD – 5.1 and SD – 5.2: Coded Note #18 shall read: *8’ Chain Link Fence/Gate in 8” wide conc. Curb w/ synthetic netting attached to top of fence. See specifications for fencing and netting manufacturer information.*
12. Sheet SD – 5.2: Notation with regards to existing painted walkway on the north end of The Great Lawn shall read: *NOTE: Existing pedestrian walkway shall be removed and replaced with concrete walkway. See Attached Addendum Exhibit # SD A for further clarification and reference to detail.*
13. Sheets SD – 6.0, SD – 6.1 and SD- 6.2: Add a Grading Note #18 that shall read as: *Bid Package #1 Contractor is responsible for removal of materials to a depth of 12 inches below existing grade. The existing grades reflected on the Grading Plans are grades prior to the removal of 12” of material by the Bid Package #1 Contractor. Bid Package #4 Bidders and Contractor shall be responsible for the 12” adjustment of grades shown as existing grades on this plan. Bid Package #1 Contractor is responsible for submitting an As-Built contour plan to verify their work.*
14. Sheets SD – 6.0, SD – 6.1 and SD- 6.2: Add a Grading Note #19 that shall read as: *The Contractor shall be responsible for obtaining a permit from Metro Louisville Metropolitan Sewer District. The approved plans, which shall be a separate set of plans, shall be maintained by the Contractor at the jobsite.*
15. Sheet SD – 7.0: Detention Basin A Section shall be replaced modified per Addendum Exhibit SD – A and SD – C.
16. Sheet SD – 7.0: The following pipe data and flow characteristics shall be modified as follows:
  - Pipe length between CI – 3 and CI – 4 shall be 205’
  - Pipe length between CI – 4 and CI – 5 shall be 70’ @ 0.57%Corresponding pipe chart information shall be modified.
17. Sheet SD – 7.0: Add two 6” perforated pipes, 34’ length perpendicular to Line as reflected on Addendum Exhibit SD – D.
18. Sheet SD – 7.0: Manhole MH – 9 shall be a “manhole” and not a water quality unit – refer to Coded Note #4.
19. Sheet SD – 7.1: The following pipe data and flow characteristics shall be modified as follows:
  - Pipe between CB-22 and JB-25 shall be 15’, 12” HDPE @ 0.6%
  - Pipe between JB-25 and MH-21 shall be 29’. 12” HDPE @ 0.6%
  - Pipe between Rainwater Harvesting Tank and M-12 shall be 55’, 12” HDPE @ 0.6%Corresponding pipe chart information shall be modified
20. Sheet SD – 7.1: The Water Quality Unit, WQU – 19, shall be label with coded note #12 instead of coded note #11.
21. Sheet SD – 7.1: Line C MH – 20 shall be labeled with coded note # 3 and shall be a manhole and not a water quality unit.

22. Sheet SD – 7.1: Detention Basin B Section shall be replaced and modified per Addendum Exhibit SD – B and SD - C.
23. Sheet SD – 7.2: Detail B/7.2: The 12” perforated pipe shall be a **15” Perforated HDPE Pipe with fabric sleeve**.
24. Sheet SD – 8.3: The Sanitary Sewer Profile Scale shall read:  
*Scale: Horizontal: 1” = 30’*  
*Vertical: 1” = 5’*
25. Sheet SD – 8.3: The Sanitary Sewer line shall be 8” PVC pipe and the “junctions” shall be manholes per MSD standards.
26. Sheet SD – 10: Performance Specifications Notes – Rainwater Harvesting Tank/Cistern: Add Note #8 to read as: Provide an adequately sized vent pipe for the rainwater harvesting tank(s).
27. Sheet SD – 10: Performance Specifications Notes – General: Note # 3 Shall be revised to read as:  
*Shop drawings for the rainwater harvesting system shall be prepared that provided adequate detail for all system components including cut sheets for all equipment. The shop drawings will provide full engineering detail on connections, including specificity of electrical connections and supply and shall be certified by a Professional Engineering currently licensed to practice in the Commonwealth of Kentucky.*
28. Sheet SD – 11.2: The Contractor shall provide one Quick Coupler Valve on the 2” Irrigation Main Supply line to be located near a midfield location of The Great Lawn, final location to be coordinated by the Owner/Architect.
29. Sheet SD – 11.2: Notation with regards to Bid Alternate shall read as: *The dashed line indicates all irrigation to be included in the **Bid Alternate #6**, (zones A20 – A24). Include all pipe wire, heads and swing joints for the zones listed.*
1. Sheet SD – 12.2: Detail J/12.2: The 12” Perforated Pipe shall be a **15” Perforated Pipe wrapped with filter fabric** and installed (where applicable)

End of Addendum No. 2 (Site Items)

## ADDENDUM NUMBER TWO (STRUCTURAL ITEMS)

Bidders shall conform to the following changes, as same shall become binding on the Contract to be issued in response to this Invitation to Bid.

### Drawings:

1. SHEET S0007 - GENERAL PROVISIONS CONT'D
  - i) Sketch **ST-1** is being issued to add note **SECTION 5.5** in Sheet **GENERAL PROVISIONS CONT'D**.
2. SHEET S0106 - SLAB ON GRADE PLAN AREA-A
  - i) In Sheet "**SLAB ON GRADE PLAN - AREA-A** " near grid 23/B.9 rotate section cut **6/S0174** orientation into 180 degree.
  - ii) Sketch **3/ST-30** shows "**PARTIAL SLAB ON GRADE PLAN AREA-A 1/S0106**" major revisions are clouded.
  - iii) Sketch "**1/ST-4**" illustrates new section.
3. SHEET S0107 - SLAB ON GRADE PLAN AREA-B
  - i) Sketches **1/ST-30, 2/ST-31** and **2/ST-30** shows "**PARTIAL SLAB ON GRADE PLAN - AREA-B 1/S0107**" major revisions are clouded.
  - ii) In sheet S0107, in the hatched area representing the room **SPORTS CLUB 118** slab, located between the grids D to E and 8 to 11, add the following notation **F.F.E. = 100'-0"**.
  - iii) Sketch "**1/ST-7**" illustrates new section.
4. SHEET S0109 - SLAB ON GRADE PLAN AREA-D
  - i) Sketches **1/ST-31** and **1/ST-32** shows "**PARTIAL SLAB ON GRADE PLAN - AREA-D 1/S0109**" major revisions are clouded.
  - ii) Sketch "**2/ST-4** and **2/ST-6**" illustrates new sections.
5. SHEET S0111 - FOUNDATION PLAN AREA-A
  - i) In Sheet "**FOUNDATION PLAN - AREA-A 1/S0111**" near grid 23/B.9 rotate section cut **6/S0174** orientation into 180 degree.
  - ii) Sketch **2/ST-27** shows "**PARTIAL FOUNDATION PLAN AREA-A**" major revisions are clouded.
  - iii) Sketch "**1/ST-4**" illustrates new section.
6. SHEET S0112 - FOUNDATION PLAN AREA-B
  - i) Sketches **1/ST-25** and **1/ST-26** shows "**PARTIAL FOUNDATION PLAN - AREA-B 1/S0112**" major revisions are clouded.

- ii) Add the dimension callout to left of grid 7 as **1'-1"** between the grid to center line of grade beam GB-6. Place the dimension callout between grid D.4 to E and left side of grid 7.
  - iii) Sketch "**1/ST-7**" illustrates new section.
7. SHEET S0113 - FOUNDATION PLAN AREA-C
- i) The Pile cap designation at column grid location **2.4/F** should be read as "**PC2**" instead of "**PC1**".
8. SHEET S0114 - FOUNDATION PLAN AREA-D
- i) Sketches **1/ST-27, 1/ST-28, 1/ST-29** and **2/ST-29** shows "**PARTIAL FOUNDATION PLAN - AREA-D 1/S0114**" major revisions are clouded.
  - ii) Sketch "**2/ST-4** and **2/ST-6**" illustrates new sections.
9. SHEET S0122 - MEZZANINE FLOOR FRAMING PLAN - AREA-B
- i) Section callout **10/S0163** should read as **2/ST-16**.
  - ii) Section callout **9/S0163** should read as **2/ST-18**.
10. SHEET S0123 - MEZZANINE FLOOR FRAMING PLAN - AREA-C
- i) Section callout **5/S0163** should read as **1/ST-16**.
  - ii) Section callout **7/S0163** should read as **3/ST-18**.
  - iii) Section callout **1/ST-31** should read as **1/ST-2**.
11. SHEET S0124 - MEZZANINE FLOOR FRAMING PLAN - AREA-D
- i) Section callout **1/ST-30** should read as **1/ST-24**.
12. SHEET S0131 - LEVEL 02 FLOOR FRAMING PLAN - AREA-A
- i) Section callout **1/S0163** should read as **1/ST-22**.
13. SHEET S0132 - LEVEL 02 FLOOR FRAMING PLAN - AREA-B
- i) Section callout **8/S0163** should read as **1/ST-18**.
  - ii) Section callout **6/S0163** should read as **1/ST-17**.
14. SHEET S0160 - SECTIONS AND DETAILS
- i) Add section **1/ST-9** as detail **1/S0160**.
  - ii) Add section **1/ST-10** as detail **2/S0160**.
15. SHEET S0161 - SECTIONS AND DETAILS
- i) Add section **1/ST-11** as detail **1/S0161**.
  - ii) Add section **1/ST-12** as detail **2/S0161**.
  - iii) Add section **2/ST-12** as detail **5/S0161**.
  - iv) Add section **3/ST-12** as detail **11/S0161**.
  - v) Add section **1/ST-13** as detail **9/S0161**.
  - vi) Add section **1/ST-14** as detail **10/S0161**.

- vii) Add section **4/ST-14** as detail **6/S0161**.

16. SHEET S0162 - SECTIONS AND DETAILS

- i) Add section **2/ST-14** as detail **3/S0162**.
- ii) Add section **3/ST-14** as detail **4/S0162**.
- iii) Add section **1/ST-15** as detail **8/S0162**.
- iv) Add section **2/ST-15** as detail **2/S0162**.
- v) Add section **1/ST-23** as detail **7/S0162**.

17. SHEET S0172 - SECTIONS AND DETAILS

- i) Add section **1/ST-19** as detail **1/S0172**.
- ii) Add section **2/ST-19** as detail **10/S0172**.
- iii) Add section **1/ST-20** as detail **3/S0172**.
- iv) Add section **1/ST-21** as detail **6/S0172**.

18. SHEET S0173 - SECTIONS AND DETAILS

- i) In **DETAIL 1/S0173**, Under **SECTION A-A** the dimension callout should read as **35"** instead of **30"**

19. **SHEET S0174 - SECTIONS AND DETAILS**

- i) In **SECTION 8/S0174**, The reinforcement callout for 12" thick wall should read as **#5@12" o.c. E.W., E.F.** instead of **#5@12" o.c. E.F.**
- ii) In **SECTION 9/S0174**, **#5@12" o.c. E.F.** denotes horizontal reinforcement callout for 10" thick wall.
- iii) In **DETAIL 10/S0174**, Under **SECTION A-A** the slab edge callout from grid F should read as **1'-6" (V.W.A.)** instead of **1'-6"**.

20. **SHEET S0175 - SECTIONS AND DETAILS**

- i) Replace the **PLAN** in **DETAIL 1/S0175** with sketch **1/ST-8**.
- ii) In **SECTION 3/S0175**, the drawing name should read as **"TYPICAL INTERIOR SLAB ON GRADE/GRADE BEAM** instead of **TYPICAL INTERIOR SLAB ON GRADE"**.
- iii) In **SECTION 4/S0175**, the dimension callout for treads should read as **1'-10"** instead of **3'-8"**.

21. **SHEET S0176 - SECTIONS AND DETAILS**

- i) Section callout **2/S0176** should read as **1/ST-5**.
- ii) In **SECTION 4/S0176**, the elevation callout should read as **"T.O. GRADE BEAM EL. SEE PLAN"** instead of **"T.O. PILE CAP EL. SEE PLAN"**
- iii) Section callout **5/S0176** should read as **1/ST-6**.

22. **NEW TYPICAL DETAILS**

1. Sketch **"1/ST-3** and **2/ST-3"** illustrates new typical details.

End of Addendum No. 2 (Structural Items)