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and Chief Financial Officer  
Procurement Services  
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November 20, 2020

**ADDENDUM NUMBER 1 ON INVITATION TO BID ITB21KO-121**

**TITLE:** Thermal Utility System Improvements

This addendum shall be considered part of the Contract Documents for the above-mentioned project as though it had been issued at the same time and incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract documents, this addendum shall govern and take precedence. Bidders are hereby notified that they shall acknowledge receipt of the addendum.

**This addendum consists of:**

- Change to Bid Opening date and time. **Bids are due no later than December 2, 2020 at 3:00PM.** Bid Opening will be held remotely. A link to the Zoom meeting will be posted on the Schedule of Bids webpage prior to the bid opening date and time.
- Answers to Contractor Questions and RFIs.
- Street and Area Lighting Drawing (1 page)
- Section 00310-Bid Forms in Word format. See link on [Schedule of Bids](#) webpage.
- Change to Section 00100-Instruction to Bidders, 1.2 Execution of Agreement, as follows.

**1.12 EXECUTION OF AGREEMENT**

- A. A Purchase Order (PO) will be issued for purposes of fiscal encumbrance and payment.
- B. The contract will consist of UF's "[Owner-Contractor Agreement](#)" and the PO. The terms and conditions contained in both documents are non-negotiable.
- C. Upon notice of Bid Award, the bidder to whom the Contract is awarded shall deliver to UF the Certificates of Insurance and Performance & Payment Bonds required by the Contract Documents.
- D. Bonds and Certificates of Insurance shall be approved by UF before the successful bidder may proceed with the Work.



Karen Olitsky  
Procurement Agent III

**PLEASE ACKNOWLEDGE RECEIPT OF THIS ADDENDUM 1 AND RETURN WITH YOUR BID.  
FAILURE TO ACKNOWLEDGE THIS ADDENDUM COULD CONSTITUTE REJECTION OF YOUR BID.**

\_\_\_\_\_  
VENDOR NAME

\_\_\_\_\_  
VENDOR ADDRESS

\_\_\_\_\_  
SIGNATURE

ITB21KO-121  
UF-623B Thermal Utility System Improvements  
Questions and Answers

- Q1. Which contract will be used after award?
- A1. Please see Revised Section 00100 – Instruction to Bidders, 1.12, on page 1 of this Addendum.
- Q2. There are no valves shown on the main line or branch lines for the majority of the chilled water piping. Should there be shut off valves for all branches?
- A2. Valves are shown in chilled water vaults (see mechanical vault drawings) and on chilled water branch piping which are end capped for future connections (see civil plan and profile drawings and referenced mechanical details). Branch piping connected to existing piping and buildings can utilize existing isolation valves at the buildings as necessary.
- Q3. Please confirm the HDPE chilled water is bare HDPE without insulation.
- A3. Confirmed.
- Q4. 1-CU111 notes the connection to existing piping as 12" x 08" but the profile lists the new piping as 10", please confirm the correct size of the chilled water piping.
- A4. The new HDPE piping is 10" (IPS), and the new carbon steel piping is 8" (NPS).
- Q5. Should the condensate piping be sch. 80 for all sizes? Std. wt. pipe is listed for sizes 03"-10" in piping design standard CC01A located in the back of specification 232213.
- A5. Confirmed, Sch. 80 is required for condensate pipe wall thickness for larger bore piping, 3" - 10". Technical specifications in the Construction Documents will be updated.
- Q6. Please confirm that the steam and condensate pipe may be of foreign or domestic origin.
- A6. Refer to Specification 230050 Mechanical General Provisions. Sec. 2.1.C indicates "All piping, fittings, and specialty items shall be manufactured, fabricated, and assembled in the United States or Canada. With Owner approval these components can be supplied by an ISO 9001 registered corporation. No material manufactured, fabricated, and/or assembled in China, Taiwan, or India is permitted without written prior authorization from Owner and Engineer."
- Q7. Is an area designated for construction laydown and staging for this project? If so, please specify.
- A7. Conceptual laydown/staging areas are shown on the Erosion Control Sheets but final locations shall be coordinated between the Owner and Contractor. Refer to General Note G on the Erosion Control Sheets.
- Q8. Drawings 1-CU141, 1-CU142 & 1-CU143 call for the relocation of existing 6" & 4" Reclaimed Water Lines with new piping. The type of pipe is not specified. Please advise the material composition of the existing Reclaimed Water pipe.
- A8. Reclaim water line shall be PVC C900 with ductile iron fittings per specification section 22 11 13. Existing pipe material is unknown and if a discrepancy is found in the field the contractor shall notify the Owner or Owner's Representative.
- Q9. Drawings 1-CU141, 1-CU142 & 1-CU143 call for the relocation of existing 12" & 6" Water Lines with new piping. The type of pipe is not specified. Please advise the material composition of the existing Water pipe.

- A9. Replacement domestic water line shall be PVC C900 with ductile iron fittings per specification section 22 11 13. Existing pipe material is unknown and if a discrepancy is found in the field the contractor shall notify the Owner or Owner's Representative.
- Q10. Drawing 1-CU144 shows existing 12" Clay Pipe tying into a new Sanitary Sewer Manhole. Please provide a detail showing how this connection is to be made.
- A10. The new sanitary sewer manhole should be a "Doghouse Manhole" per detail 5/1-CU503. The detail reference on 1-CU144 will be updated in the Construction Documents.
- Q11. Drawings 1-CU206 thru 1-CU211 call for new 6" PVC Storm pipe. The type of PVC is not specified. Please advise the type or schedule of the new PVC Storm pipe.
- A11. Schedule 40 PVC shall be used. The related specification and notes will be added to the Construction Documents to clarify.
- Q12. Per page M-503 detail 7 show a Sparge Tube. Per the notes they are to be a 2" minimum in size & flanged, specs call for 2" to be threaded & 2-1/2" to be flanged. Sparge tube is not shown in the man holes. Are all Sparge Tubes to be 2" Flanged and in each manhole? Also, per UF Standards Sparged Tubes are not needed please advise if they are needed.
- A12. Each steam trap requires a condensate sparger per details 4/1-M-503 and 7/1-M-503. All manholes in Package 1 have steam traps per the steam trap schedule, drawing 1-M-601, and so require condensate spargers. UF specifications indicate that some existing lines connect steam trap condensate directly to the pumped condensate return lines, but that arrangement is not permitted for new construction (UF SS 336000 Sec. 3.A.7.a). Per Detail 7/1-M-503 notes, the low pressure condensate line connections shall be 2" minimum and flanged, and the high pressure steam trap discharge inlet connection shall be 3/4" minimum.
- Q13. The geotech recommends drilled shaft foundations, but I didn't see any foundation details in the drawings. Can you confirm if drilled shafts are part of the scope on this project?
- A13. Foundations and supports shall comply with the construction documents, drawings and specifications. The drilled shaft foundations recommended by the Geotech report are for separate future phases of the project and not for the current construction scope.
- Q14. Per details 1&2 on page 1-M-501 shows flowable fill around direct buried valves & high point air vents. Per this detail it seems the intent is to take the flowable fill up to grade? Where the valves are located you are roughly 10' deep. Does the flowable fill need to be taken to grade or can it go a couple of feet above the valve?
- A14. Flowable fill up to grade per the detail.
- Q15. On drawing 1-CU133 DB20 is noted as 30" X 21" and references detail 4 on 1-E-503. The dimensions on that detail are 21" X 21". Is this the dimensions of the overall concrete encased duct bank? Which is correct? Does the duct bank shown on 1-CU133 require a larger encasement than that shown in the detail?
- A15. 21"x 21" is correct. Dimensions are approximate, maintain 3" concrete cover over all rebar per detail 1/1-E-501.
- Q16. On drawing 1-CU132 new manhole EL-623-24 is shown with 10' lengths of duct bank for future extension. One is noted 39" X 39" and the other is noted as 39" X 30". These dimensions do not correspond to any detail on the drawings 1-E-502 or 1-E-503. Detail 4 on 1-E-531 is for Manhole – EL-623-24. Duct banks DB10 and DB13 enter this manhole. The plan views for these reference detail 3 on drawing 1-E-502 (25kV Duct Bank Section). Though labeled differently, these details have the same dimensions and the same number of conduits. Detail 4 on 1-E-531 references detail 4 on

1-E-503 (Thermal Duct Bank Section). These details have the same dimensions and both have (4) 6" conduits and (2) 2" conduits. Detail 4 on 1-E-531 notes the other two duct banks leaving this manhole continuing on to other manholes. One of these shows 10 conduits exiting and references detail 2 on 1-E-502 which includes (18) 6" conduits and (8) 2" conduits. The other shows 6 conduits exiting and references detail 5 on 1-E-502 which includes (6) 6" and (2) 2" conduits. Please clarify the detail to use and the number of each conduit size exiting from each side of Manhole EL-623-24.

A16. For the North and West walls refer to detail 4/1-E-503. For the East wall refer to detail 2/1-E-502. For the South wall refer to 5/1-E-502. Note that all communications conduits to terminate in handhole above manhole per detail 1/1-CU502.

Q17. 1-CU133 shows conduits from DB20 connecting to existing switch gear. Are there conduits stubbed out from underneath this gear to tie into? Or do these conduits need to turn up inside this existing gear?

A17. Existing gear is below grade. DB20 will need to stub up from below or from the side in the thin wall knockouts.

Q18. 1-CU135 shows DB22 as a 30" X 21" duct bank and references detail 4 on 1-E-503. The dimensions on that detail are 21" X 21". Is this the dimensions of the overall concrete encased duct bank? Which is correct? Does the duct bank shown on 1-CU133 require a larger encasement than that shown in the detail?

A18. 4/1-E-503 is correct, 1-CU135 will be updated in the Construction Documents.

Q19. 1-CU135 shows DB23 as a 30" X 21" duct bank and references detail 3 on 1-E-503. The dimensions on that detail are 21" X 21". Is this the dimensions of the overall concrete encased duct bank? Which is correct? Does the duct bank shown on 1-CU133 require a larger encasement than that shown in the detail?

A19. 3/1-E-503 is correct, 1-CU135 will be updated in the Construction Documents.

Q20. One of the pole lights to be relocated on 1-CU141 appear to be HID. The wattage of the lamps, the length of the lighting circuit, the number of poles on the lighting circuit and the voltage all impact the size of the lighting circuit. Is any of this information available?

A20. See Attachment named "Street and Lighting Area Map".

Q21. On 1-CU141, an existing electrical duct bank is being routed around a new steam vault that includes demolishing conductors back to closest switches and replacing them with new conductors matching the existing size and insulation. No number or size of conduits in this duct bank are noted. No information on the conductors is noted. Without this information this relocation cannot be priced. Please provide this information at this location and at all other duct banks being relocated.

A21. Demolish conductors back to closest manholes. Manholes MH60 and MH43 are approximately 300' apart. Provide new conductors and splice into existing. Two sets of 3#300kcmil, 5kV, 133%, EPR, and 1#300kcmil, 600V, Ground. Replace 4" RGS conduit as necessary. If discrepancy is found, successful bidder is to contact Owner or Owner's Representative for final direction.

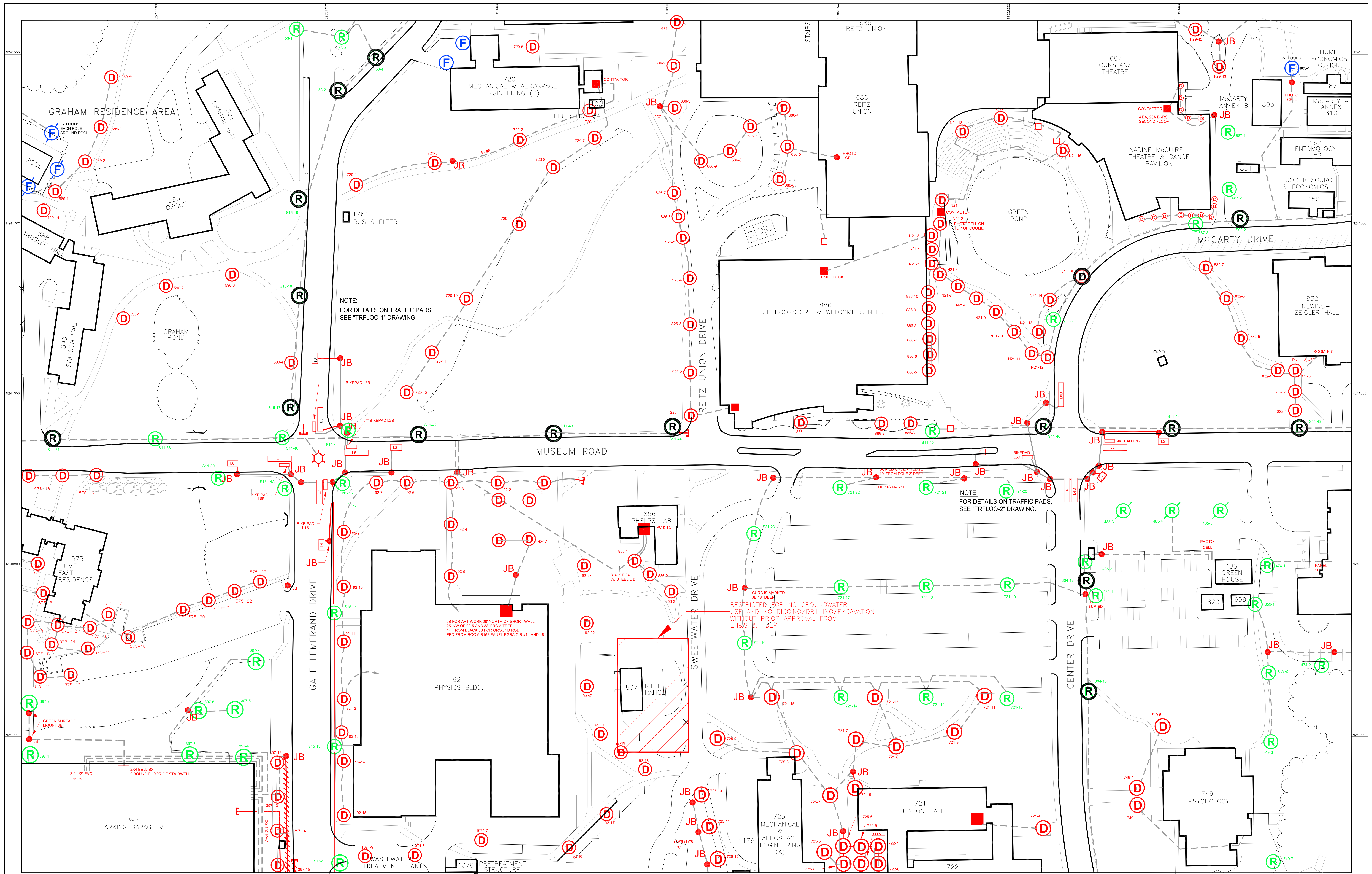
Q22. On 1-CU141, there is an existing alarm bell noted "relocated." This appears to be an emergency blue light phone with an intercom. These typically have power and communication wiring. Buried electric lines are shown in light gray crisscrossing near the alarm bell. A dark line is shown going from the bell into a relocated duct bank around a steam vault. No information is given on that duct bank. Does the wiring serving this alarm bell have to be demolished back to the source? If so, please provide the location of the sources, size of conduit and type of wire serving the alarm bell.

- A22. Replace existing emergency phone with a UF specification compliant *Talk-A-Phone*. Refer to UF Telecommunication Standards – October 2020, Section 17.0 for installation and utility requirements. Demolish power back to source at Frazier Rogers Building and replace with 2-inch conduit and #12 copper wire for final power connection. Demolish communication back to source at Frazier Rogers Building, Room 150. Coordinate with the Owner and UFIT Communications prior to construction. If discrepancy is found, successful bidder is to contact Owner or Owner's Representative for final direction.
- Q23. On 1-CU141, there is an existing pull box noted "relocated." No information is given on what conduits or wires go to/through this box. Please provide.
- A23. The existing Electrical Pull Box shown to be relocated on CU142 (west of Newell Drive) can remain in place but should be adjusted to match the new sidewalk elevation. Construction Documents will be updated.
- Q24. Section 00903 requires an asbestos survey to be completed by the Contractor. Please confirm the asbestos survey is not required for the 623B project. If this is required, please confirm the which buildings and / or structures this would pertain to.
- A24. Asbestos can be found in all old steam piping and once encountered must be investigated and rectified per UF's Division 1 Non-Technical Specifications, Section 00903, Asbestos.
- Q25. Please confirm whether or not contractor must apply and obtain building permit as outlined in Section 01060. If so, what is the anticipated duration to obtain this permit approval?
- A25. The only known permits at this time are erosion, electrical, structural and water. Please see [UF Environmental Health and Safety's](#) website for more details.
- Q26. Section 01500 requires the contractor to provide and maintain temporary fencing around the jobsite throughout the duration of the project. Given the fencing will require multiple relocations will fence panels mounted on stands be allowed in lieu of fixed posts as specified?
- A26. Fencing for the main roads must be fixed. Fencing for cross sections can be movable.
- Q27. The Basis of Design Package included traffic impact exhibits. Are these intended to be utilized for bidding this project or will full closures of each area be allowed? After analyzing the bare minimum requirements needed for excavation, shoring, barrier wall and buffer space, we've identified bottlenecks ranging from 19' down to just 14' in Work Area 4 and Work Area 6 that would not allow 2 lanes of traffic to be maintained per Traffic Impact Exhibits 2 and 4.
- A27. Traffic Impact Exhibits are intended to be a reference for the final MOT plans, in which the selected General Contractor shall be responsible for. Contractor shall provide MOT plans to the Owner for review and approval.
- Q28. Referencing Sheet 1-C-001, General Note X. Who is responsible to relocate all PIVs, FDCs and Hydrants impacted by construction? EH&S or Contractor? If contractor, please confirm contractor is only responsible for relocations identified on the bid drawings.
- A28. The contractor is responsible for making sure all PIV's FDC's and Hydrants are accessible at all times during construction and to provide a temporary solution if any are impacted or inaccessible during construction. Those that were directly impacted by underground infrastructure are identified to be relocated but MOT and final construction phasing will impact the need for temporary measures.
- Q29. Material type of existing water main and reclaimed water main utilities is not indicated on the drawings, but the contractor is required to replace in matching kind. What material should the contract we base bid on?

- A29. Material shall be PVC C900 with ductile iron fittings per specification section 22 11 13. Existing pipe material is unknown and if a discrepancy is found in the field the successful bidder shall notify the Owner or Owner's Representative.
- Q30. Please provide the number of conduits and size, conductor wire, etc. for the duct bank relocations called for on the 1-CU drawings. Callouts say match existing conduit size and material.
- A30. Demolish conductors back to closest manholes. Manholes MH60 and MH43 are approximately 300' apart. Provide new conductors and splice into existing. Two sets of 3#300kcmil, 5kV, 133%, EPR, and 1#300kcmil, 600V, Ground. Replace 4" RGS conduit as necessary. If discrepancy is found, successful bidder is to contact Owner or Owner's Representative for final direction.
- Q31. Please confirm the material type for storm drain cleanouts. Should they be cast iron as called out on detail 2, sheet 1-CU502 or PVC to match the storm drain piping?
- A31. Cleanouts should be PVC with brass caps. Surround cleanouts with concrete pad with chamfered edges. Pad shall be 18" x 18" x 6" with #10 gauge welded wire mesh. The detail will be updated, and related specification will be added to the Construction Documents to clarify.
- Q32. Section 01500 requires the contractor to provide an office within their construction trailer for the Engineer's use. Has UF identified approved locations where the Contractor can establish the site field office? Please confirm locations that are approved for contractor's use.
- A32. Construction office/trailer location has not been identified. Owner will work with the successful bidder identify a location during the MOT plan discussion.
- Q33. Are overtime inspection fees required for work outside the Monday through Friday, 7AM to 5PM stipulated work hours? If so, please provide the anticipated fees for this inspection.
- A33. UF Environmental Health and Safety inspections will be scheduled Monday through Friday between 7:30AM and 4:30PM.
- Q34. Please confirm if we are to INCLUDE sales tax in our proposal.
- A34. Please see Invitation to Bid Construction Acknowledgement Form (Page 1), Item 4(a) Taxes.
- Q35. ITB21K0-121 paragraph 4 reads that payment to vendors will be made by UF. Please clarify.
- A35. The awarded contractor will invoice UF and UF will pay the invoices as described in the [General Terms and Conditions](#), Article 15. See Item 15.3, Invoice Procedures and Item 15.4 Payment Procedures. UF will assist the successful bidder with the completion of appropriate forms.
- Q36. Per section 01 31 00-7 Project Management and Coordination, will Microsoft Sharepoint Site work in lieu of the listed software packages?
- A36. No. UF uses BIM360. UF will supply licenses to the successful bidder's Project Manager, Superintended, Project Engineer and other essential employees that will need access.
- Q37. Please confirm what 3rd party testing the CONTRACTOR is responsible to provide i.e. material testing, compaction, welding inspection etc.
- A37. Successful bidder is responsible for tests, inspections and quality requirements as specified within the construction documents.
- Q38. Per 01 10 00-3 Can you provide a list of ALL permits that the CONTRACTOR will be responsible for obtaining?

- A38. The only known permits at this time are erosion, electrical, structural and water. Please see [UF Environmental Health and Safety's](#) website for more details. Successful bidder shall receive permits necessary to complete scope of work associated with UF-623B Package 1.
- Q39. Per 01 21 00-3 Testing and Inspection Allowances – Does a schedule for these exist?
- A39. Successful bidder shall carry allowances necessary to complete testing and inspections as described within the construction documents.
- Q40. Can the bid form be provided in excel?
- A40. See attached Section 00310 – Bid Forms provided in Word format.
- Q41. Per section 31 20 00-7 3.3.A it states that all hydrostatic pressure test shall be witnessed PRIOR to backfilling. Please confirm if this will be required.
- A41. Confirmed.
- Q42. Please confirm that all HDPE is DIPS size.
- A42. IPS is the correct piping designation and can be referenced within the Basis of Design Narrative.
- Q43. On the light poles we need to know the Foundation, Size Conduit and conductor.
- A43. 2-inch conduit minimum, #6 copper for main runs, #10 copper for individual lighting taps. Basis of design for foundation is as follows: For light poles with height less than 25 ft, a round pole foundation with a minimum diameter and embedment depth of 2ft and 7ft respectively and reinforced with (6) #8 vertical bars and #3 spiral with 12” pitch. Final foundation design will be finalized once specific light pole models are selected and poles cut sheets are provided.
- Q44. They call for several Pull Boxes to be relocated, but no information is given on what size conductors or conduits, or the number of conduits that are within the box. Also we would need to know where the nearest box or termination point is on each side of the box, to determine the amount of conductor needing to be replaced, as once it is relocated the existing will not be long enough.
- A44. The existing Electrical Pull Box shown to be relocated on CU142 (west of Newell Drive) can remain in place but should be adjusted to match the new sidewalk elevation. Construction Documents will be updated.
- Q45. On CU141 it calls for the demo of a Duct bank that seems to be connected to Vault EL-37, but no call out for demo of this vault that I could see. Please confirm.
- A45. There is no reference to EL-37 within sheet 1-CU141. The following response assumes that EL-73 is the intended reference. The ductbank referenced as demo'd is assumed to be abandoned, confirm in field before proceeding with work. EL-73 has live conductors and should remain. The active ductbank from EL-73 is within Museum Road and not in direct conflict with the utility construction.





NOTE:  
FOR DETAILS ON TRAFFIC PADS,  
SEE "TRFLOO-1" DRAWING.

NOTE:  
FOR DETAILS ON TRAFFIC PADS,  
SEE "TRFLOO-2" DRAWING.

JB FOR ART WORK 28' NORTH OF SHORT WALL  
20' NW OF 92-5 AND 20' FROM TREE  
14' FROM BLACK JB FOR GROUND ROD  
FED FROM ROOM B152 PANEL PG8A CIR #14 AND 18

RESTRICTED FOR NO GROUNDWATER  
USE AND NO DIGGING/DRILLING/EXCAVATION  
WITHOUT PRIOR APPROVAL FROM  
EHS & F&EP

THIS DRAWING HAS NOT BEEN REVISED SINCE DATE SHOWN BELOW

**LEGEND**

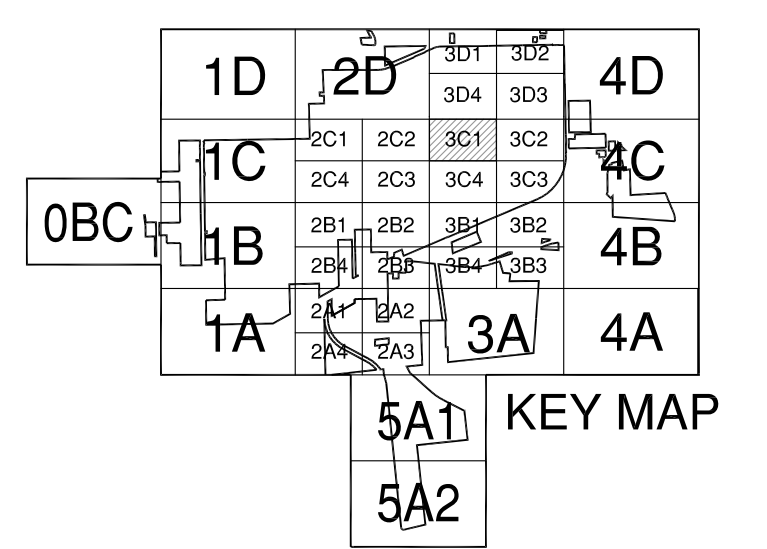
(R)	BANNER POLE ROADWAY	—	OVERHEAD CABLE	→	CAPPED CONDUIT
(D)	BANNER POLE DECORATIVE	- - -	UNDERGROUND CABLE	→	CONTINUATION
(F)	FLOOD TYPE LUMINAIRE	■	CONTROL CLOCK OR CONTACTOR		
(F)	DOUBLE FIXTURE (FLOOD)	□	PULLBOX		
(D)	DECORATIVE OR AREA LIGHT	●	JUNCTION BOX		
(D)	DOUBLE DECORATIVE FIXTURE	■	TRANSFORMER		
(R)	ROADWAY TYPE LUMINAIRE	----	ABANDONED LINE		
(R)	DOUBLE FIXTURE (ROAD)	—	PLUGGED CONDUIT		

NOTE: SCHEMATIC REPRESENTATION ONLY—  
FIELD VERIFY CRITICAL INFORMATION.

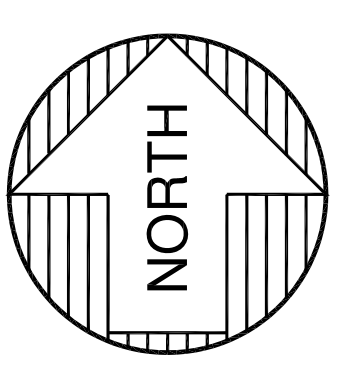
**FUTURE PROJECTS:**

- HUME HALL
- REITZ UNION
- BOOKSTORE
- CONSTANS THEATRE ADDITION
- PSYCHOLOGY ADDITION

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**STREET AND AREA LIGHTING**



**UF** Facilities Services  
Operations Support Services  
UNIVERSITY OF FLORIDA

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SCALE: 1"=50'      DATE: 02-13-14      DRAWING NAME: UFSLM3C1