



Notice of Addendum No.2

Date of Addendum No.2: March 17, 2023

Arlington Public Schools
Procurement Office

Invitation to Bid 95FY23

Invitation to Bid Title: Barcroft Elementary School HVAC Replacement Project

Invitation to Bid Number: 95FY23

Invitation to Bid Issue Date: February 28, 2023

Pre-Bid Conference: March 8, 2023, at 10:00 A.M

Bid Closing Date/Time: March 24, 2023, No Later Than 11:59 P.M. (Local Prevailing Time)

Bid Opening Date/Time: March 27, 2023, at 10:00 A.M. (Local Prevailing Time)

Procurement Office Representative: Brandon Christian, VCA
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- A. **Modifications to the ITB:** Addendum No.3 to ITB 95FY23 updates the Bid Form and modification is provided with the execution of Addendum No.3. Edits to the Bid Form are adopted through highlights in Red for additions and Black strikeout for deletions. A revised version of this section is provided with the execution of Addendum No.3.
- B. **Responses to Bidder Questions:** The following information is provided to help Bidders submit a Bid in response to ITB 95FY23. Any updates to Drawings and Specifications for this Project will be available electronically as PDF file format by the Owner's Representative (Engineer), CMTA Engineering. To access updated Drawings and Specifications, please contact Owner's Representative (Engineer), Brice Watson via email at bwatson@cmta.com.

No.	Contract Document Reference	Bidder Questions	Response
1	230700	Section 230700 pg. 4 - 5.8 pipe insulation. 5.8.1 Hydronic chilled water, 5.8.2 Hydronic hot water, 5.8.3 Domestic water fill lines, 5.8.4 Condensate drain lines, 5.8.5 Refrigerant suction lines. Q:Is	Added clarifying section to 232200 in Addendum 2 that allows heat pump piping to be HDPE with copper runouts. HDPE piping mains for the heat pump piping does not require insulation, while copper piping for all systems will require

		the Heat Pump water supply & return or the Condenser water supply & return piping to be insulated? If so, please provide the type of insulation and the thickness required?	insulation. Added heat pump loop and condenser loop insulation requirement to 5.8 of section 230700.
2	M230	M230 show the two OAAHUs to have screen walls, we need structural steel design. Is there a specification on the screen wall?	Design work is currently underway on this change, but is not expected to be completed before the final addendum time. Addendum 2 will include an allowance for this scope to carry through bid.
3	M701	Cooling tower tons is listed on mechanical schedule as 200 tons, the stated performance conditions are 500gpm at 95/85/78. Please confirm the cooling tower should be sized for the stated performance conditions which is less than 200 cooling tower tons(15,000btu/h)	Flow of 500 gpm is correct. tower schedule has been corrected in addendum 2 to show 170 nominal tons to match.
4	M701	The cooling tower sump tank WT-1 is listed on the mechanical schedule with a 4,500-gal capacity. The dimensions are called out to be 8'x8'x8', this volume would only be 3,381 gallons. Please advise on the requirement for the tank including confirmation on the internal volume and external dimensions	Corrected schedule and tank to show 10' in height to match total capacity. While the tank may sit with 9' filled height normally and the bottom ~2' might not be usable fill this will equate to 3,350 gallons nominally. This will be 6+ minutes of pump operation at full flow and more roughly 3x the estimated volume of the tower, piping, and heat exchanger.
5	E100 E101	All old light features on cafeteria, library, and gym will be replace on phase 2 , 2024.	This is correct. This information has also been added to drawings. Alternate note changed Addendum 1 Narrative.
6	APS	Please confirm replace carpet on corridors and rooms where they are going to add closets and equipment. Phase 2, 2024	Per Addendum #02 drawings, carpet in hallway is to be replaced as part of the base bid. Classroom carpet replacement/pathcing is to occur as indicated in the drawings.
7	APS	Please confirm staging areas will be half of the basketball court and part of the field can we stage materials etc.	A sketch has been provided for informational purpose to define construction laydown areas that may be used by the contractor. The sketch defines areas that may be used during construction for school unoccupied (Summer) and occupied times (Fall, Winter, Spring).

C. **Clarifications:**

No.	Contract Document Reference	Revised Drawing or Specification Attachment	Revisions Narrative
1	All		Construction Documents have been updated with Addendum 1 Narratives and included in Addendum 2
2	012300 - ALTERNATES	Attachment B	ADD Alternate Specification 01 2300
3	F-100, F101		DELETE drawing note, "DASHED LINE INDICATES AREA WHERE EXISTING SPRINKLER SYSTEM SHALL

		<p>BE COMPLETELY MODIFIED TO MATCH THE NEW ARCHITECTURAL FLOOR AND CEILING PLANS AND TO COORDINATE WITH NEW DUCTWORK AND PIPING ABOVE CEILING. ALL PIPING FOUND TO BE LEAKING OR DAMAGED SHALL BE REMOVED AND REPLACED.”</p> <p>REPLACE note with, "DASHED LINE INDICATES AREA WHERE EXISTING SPRINKLER SYSTEM MAY NEED TO BE MODIFIED TO MATCH THE NEW ARCHITECTURAL FLOOR AND CEILING PLANS AND TO COORDINATE WITH NEW DUCTWORK AND PIPING ABOVE CEILING. THE INTENT IS TO LEAVE EXISTING SPRINKLER HEADS IN THEIR EXISTING LOCATION TO THE EXTENT POSSIBLE AND ADD NEW SPRINKLER HEADS TO ACCOMMODATE NEWLY CONSTRUCTED HEAT PUMP CLOSETS. CONTRACTOR SHALL INCLUDE COSTS IN THEIR BASE BID FOR PROVIDING NEW SPRINKLER HEADS, INCLUDING BRANCH PIPING, HANGERS, SUPPORTS, FITTINGS, AND ESCUTCHEONS AT THE HEAT PUMP CLOSETS. POTENTIAL WORK REQUIRED TO RELOCATE EXISTING SPRINKLER HEADS WILL BE PERFORMED VIA ALLOWANCE. REFERENCE SPECIFICATION SECTION 01 2100 - ALLOWANCES.”</p>
4	F-100, F101	<p>DELETE drawing note, “SPRINKLERS SHALL BE “TURNED UP” WHERE EXISTING CEILING ARE REMOVED TEMPORARILY.”</p> <p>REPLACE note with, "SHOULD THE CONTRACTOR ELECT TO LEAVE THE CORRIDOR CEILINGS OUT WHILE SCHOOL IS IN SESSION, SPRINKLERS SHALL BE "TURNED UP" AS REQUIRED BY THE AHJ. CEILINGS MUST BE INSTALLED IN CLASSROOMS WHILE SCHOOL IS IN SESSION.”</p>
5	F-100, F101	<p>ADD drawing note “SALVAGE AND REINSTALL ALL EXISTING SPRINKLER ESCUTCHEON PLATES. MISSING OR DAMAGED ESCUTCHEONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE.”</p>
6	F-100	<p>DELETE drawing note, “SPRINKLER RUNOUTS IN ADMIN AREA SHOW SOME LEAKAGE AND DAMAGE DUE TO DISIMILAR METALS AT UNIONS. ALL LINES FOUND TO BE LEAKING, SHOWING RUST AND CORROSION, OR OTHERWISE DAMAGED SHALL BE REPLACED.”</p> <p>REPLACE note with, "IMMEDIATELY AFTER EXISTING CEILING SYSTEMS ARE DEMOLISHED, CONTRACTOR SHALL SURVEY EXISTING ABOVE CEILING SPRINKLER PIPING AND REPORT IN WRITING TO THE OWNER OR OWNER'S REPRESENTATIVE ANY LEAKING OR DAMAGED PIPING. ANY SPRINKLER PIPING FOUND TO BE LEAKING OR DAMAGED SHALL BE REMOVED AND REPLACED</p>

			VIA ALLOWANCE. REFERENCE SPECIFICATION SECTION 01 2100 - ALLOWANCES.”
7	E-001		DELETE drawing note “ALL FIRE ALARM, VOICE, DATA AND INTERCOM SYSTEMS SHALL BE PRE AND POST TESTED BY OWNER. THE OWNER WILL NOTIFY THE CONTRACTOR OF THE TEST DATES AND ALLOW THEM TO WITNESS THE TESTING. REPORTS WILL BE GENERATED BY THE OWNER FOR THE FIRE ALARM AND INTERCOM SYSTEMS.” REPLACE note with “ALL FIRE ALARM, VOICE, DATA AND INTERCOM SYSTEMS SHALL BE PRE AND POST TESTED BY OWNER. THE OWNER WILL NOTIFY THE CONTRACTOR OF THE TEST DATES AND ALLOW THEM TO WITNESS THE TESTING. REPORTS WILL BE GENERATED BY THE OWNER FOR THE FIRE ALARM, VOICE, DATA AND INTERCOM SYSTEMS.”
8	E-001		Added duct detector test switch symbol to legend.
9	E-100		DELETE drawing note “CAFETERIA AND KITCHEN LIGHTING DEMOLITION SHALL ONLY BE DONE IF ADD ALTERNATE#1 IS ACCEPTED.” REPLACE note with “CAFETERIA AND KITCHEN LIGHTING DEMOLITION SHALL ONLY BE DONE IF ADD ALTERNATE#1 IS ACCEPTED. ALTERNATE #1 WORK SHALL OCCUR SUMMER 2024”
10	E-100		DELETE drawing note “GYM LIGHTING DEMOLITION SHALL ONLY BE DONE IF ADD ALTERNATE#1 IS ACCEPTED.” REPLACE note with “GYM LIGHTING DEMOLITION SHALL ONLY BE DONE IF ADD ALTERNATE#1 IS ACCEPTED. ALTERNATE #1 WORK SHALL OCCUR SUMMER 2024”
11	E-101		DELETE drawing note “MEDIA CENTER LIGHTING DEMOLITION SHALL ONLY BE DONE IF ADD ALTERNATE#1 IS ACCEPTED.” REPLACE note with “MEDIA CENTER LIGHTING DEMOLITION SHALL ONLY BE DONE IF ADD ALTERNATE#1 IS ACCEPTED. ALTERNATE #1 WORK SHALL OCCUR SUMMER 2024”
12	E-100 E-101 E-110 E-111 E-120		DELETE GENERAL NOTES (DEMOLITION) drawing note “K, CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.” REPLACE note with” K. CONTRACTOR SHALL SEAL ALL ABANDONED AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE

			RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.”
13	E-100 E-101 E-110 E-111 E-120		DELETE GENERAL NOTES (DEMOLITION) drawing note “O. ALL ABANDONED CABLING ABOVE CEILING SHALL BE REMOVED. PROVIDE NEW J-HOOK SUPPORTS FOR EXISTING UN-SUPPORTED CABLING TO REMAIN. COORDINATE WITH OWNER PRIOR TO DEMOLITION TO IDENTIFY EXISTING CABLING TO REMAIN.” REPLACE note with “O. REMOVAL OF ABANDONED CABLING ABOVE CEILING SHALL BE REMOVED BY OTHERS, NOT IN CONTRACT. COORDINATE WITH OWNER.”
14	E-100		Exit sign to be relocated.
15	E-200		DELETE drawing note “CAFETERIA AND KITCHEN LIGHTING NEW WORK SHALL ONLY BE DONE IF ADD ALTERNATE#1 IS ACCEPTED.” REPLACE note with “CAFETERIA AND KITCHEN LIGHTING NEW WORK SHALL ONLY BE DONE IF ADD ALTERNATE#1 IS ACCEPTED. ALTERNATE #1 WORK SHALL OCCUR SUMMER 2024”
16	E-200		DELETE drawing note “GYM LIGHTING NEW WORK SHALL ONLY BE DONE IF ADD ALTERNATE#1 IS ACCEPTED.” REPLACE note with “GYM LIGHTING NEW WORK SHALL ONLY BE DONE IF ADD ALTERNATE#1 IS ACCEPTED. ALTERNATE #1 WORK SHALL OCCUR SUMMER 2024”
17	E-200		Updated admin to include egress lighting and relocated exit sign.
18	E-201		DELETE drawing note “MEDIA CENTER LIGHTING NEW WORK SHALL ONLY BE DONE IF ADD ALTERNATE#1 IS ACCEPTED.” REPLACE note with “MEDIA CENTER LIGHTING NEW WORK SHALL ONLY BE DONE IF ADD ALTERNATE#1 IS ACCEPTED. ALTERNATE #1 WORK SHALL OCCUR SUMMER 2024”
19	E-101 E-110 E-111		Added existing to be demolished projectors.
20	E-300		Updated speaker symbol to 1’x2’ and added speakers to admin/corridors.
21	E-301 E-302 E-311		Added speakers to corridors.
22	E-500		Added owner furnished note to fixture schedule.
23	23 09 00 Temperature Control and Sequence of Operations for HVAC		DELETE Part 22- Refrigerant Monitoring System, Not in Contract
24	M-501		VARIABLE VOLUME DAMPER DELETE “ZONE UNOCCUPIED OVERRIDE:A TIMED LOCAL OVERRIDE

			CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO AN OCCUPIED MODE FOR AN ADJUSTABLE PERIOD OF TIME. AT THE EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.”
25	M-502		WATER SOURCE HEAT PUMP DELETE “ZONE UNOCCUPIED OVERRIDE:A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO AN OCCUPIED MODE FOR AN ADJUSTABLE PERIOD OF TIME. AT THE EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.”
26	M-504		DOMESTIC WATER HEATER PIPING SCHEMATIC REVISE Temperature to Kitchen from 140 to 120. ADD Second Tour and Anderson Electronic Tempering Valve requirement on on “To Kitchen” supply line.
27	01 3200		Incorrect footer. DELETE “SCOPE OF THE FIRE SUPRESSION WORK 21 0501” REPLACE with “CONSTRUCTION PROGRESS DOCUMENTATION 01 3200”
28	01 5000		Incorrect footer. DELETE “SCOPE OF THE FIRE SUPRESSION WORK 21 0501” REPLACE with “TEMPORARY FACILIIES AND CONTROLS GENERAL”
29	M212		Adjusted locations of new CUHs in 222s & 223s to match existing cabinet locations in wall.
30	M222		Adjusted locations of new CUHs in 222s & 223s to match existing cabinet locations in wall.
31	23 2200 – HVAC Piping		Added section for heat pump loop piping to include HDPE piping.
32	23 0700 – HVAC Insulation, Equipment, Ductwork and Piping		Added heat pump loop and condenser loop insulation to section 5.8
33	M601		Updated Roof Curb Detail
34	M700		Updated OA Unit Remarks
35	M701		Corrected cooling tower schedule to reference 170 nominal tons Updated tower notes to clarify controls to be provided by TCC Corrected WT-1 schedule and tank to show 10' in height to match total capacity
36	S100		New Steel and Screen Wall to be included in allowance, Ref. 01 2100
37	01 2100 Allowances	Attachment A	Updated specification to include allowance for Construction of Roof Top Equipment Screen Walls.
38	A001		Updated dimensions indicated in detail 1/A001
39	A002		Added Add Alternate #3 description.
40	A031		-Added demolition note #11. -Updated 1/A031 Demolition Plan – Level 1 – Area A to show demolition of existing carpet and rubber base in all corridors as part of the base bid scope of work.
41	A032		-Added Detail 3/A032. -Added demolition note #11.

			-Updated 1/A032 Demolition Plan – Level 1 – Area B to show demolition of existing carpet and rubber base in all corridors as part of the base bid scope of work.
42	A041		-Added demolition note #11. -Updated 1/A041 Demolition Plan – Level 2 – Area A to show demolition of existing carpet and rubber base in all corridors as part of the base bid scope of work.
43	A042		-Updated chase wall in Rm 230. -Added demolition keyed note to Rm 231. -Added demolition section callout 3/A032 to Rm 231. -Added demolition note #11. -Updated 1/A042 Demolition Plan – Level 2 – Area B to show demolition of existing carpet and rubber base in all corridors as part of the base bid scope of work.
44	A062		Updated chase wall and ceiling demolition in Rm 230.
45	A111		-Update to Floor Plan General Notes. Items #3, #12 and #14 changed to not used. -Updated 1/A111 Level 1 – Area A floorplan to show CPT-1 and RB-1 in all corridors as part of base bid scope of work.
46	A112		-Update to Floor Plan General Notes. Items #3, #12 and #14 changed to not used. -Updated Elevation General Note #12 to reference sheet A002. -Added detail 3/A112. -Updated 1/A112 Level 1 – Area B floorplan to show CPT-1 and RB-1 in all corridors as part of base bid scope of work.
47	A121		-Update to Floor Plan General Notes. Items #3, #12 and #14 changed to not used. -Updated 1/A121 Level 2 – Area A floorplan to show CPT-1 and RB-1 in all corridors as part of base bid scope of work.
48	A122		-Update to Floor Plan General Notes. Items #3, #12 and #14 changed to not used. -Updated chase wall at Rm 230. -Added cmu infill at demolished interior unit ventilator. -Added detail callout 3/A112 -Updated 1/A122 Level 2 – Area B floorplan to show CPT-1 and RB-1 in all corridors as part of base bid scope of work.
49	A211		Speaker symbol added to legend and updated in RCPS. Review RCPs for locations as they have adjusted slightly to work within ceiling grids.
50	A212		Speaker symbol added to legend and updated in RCPS. Review RCPs for locations as they have adjusted slightly to work within ceiling grids.
51	A221		Speaker symbol added to legend and updated in RCPS. Review RCPs for locations as they have adjusted slightly to work within ceiling grids.
52	A222		-Speaker symbol added to legend and updated in RCPS. Review RCPs for locations as they have adjusted slightly to work within ceiling grids. -Updated chase wall and ceiling at Rm 230.
53	09 6519		ADD Resilient Tile Flooring Specification for Add Alt #3

Attachment A: 01 21 00 – ALLOWANCES

Attachment B: Construction Laydown Areas

A sketch has been provided for informational purpose to define construction laydown areas that may be used by the contractor. The sketch defines areas that may be used during construction for school unoccupied (Summer) and occupied times (Fall, Winter, Spring). These areas must be fenced to prevent public access when used.

SECTION 01 2100 – ALLOWANCES

PART 1 GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
 - 1. Bidders shall include defined allowance dollar amounts in their Base Bid Lump Sum as stated in this Specification Section. The intent of these Contract Allowances is to allow the Owner to have access to encumbered funds as required to direct the Contractor to perform work immediately in the field upon discovery of unforeseen conditions, upon direction by a code official for work that could not reasonable be inferred, or necessary work that is not fully designed and incorporated into the contract documents prior to contract award.
 - 2. Allowances are defined in the Schedule of Allowances at the end of this Specification Section.
- B. Types of allowances include the following:
 - 1. Lump Sum allowances.

1.3 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise the Construction Manager and Architect of the date when final selection and purchase of each product or system described by an allowance must be completed to avoid delaying the Work.
- B. At the Construction Manager’s request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by Architect from the designated supplier.

1.4 SUBMITTALS

- A. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.5 COORDINATION

- A. Coordinate allowance items with other portions of the Work. Furnish templates as required to coordinate installation.

1.6 LUMP SUM ALLOWANCES

A. General

1. Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.
2. If requested by the Owner or Construction Manager, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed.
3. Allowance shall include cost to the Contractor of specific products and materials ordered by Owner or selected by Construction Manager / Architect under allowance and shall include taxes, insurance, bonds, overhead and profit, freight, and delivery to Project site.
4. Owner has the right to utilize the encumbered dollars that remain in any Allowance line items in any Contractors' Payment Application Schedule of Values. If approved by the Owner, any Allowance line item may be utilized to perform changes in the work in lieu of an executed change order, but only if verbally approved by the Owner & directed in writing by the Construction Manager, and only if the cost of the requested work does not exceed the value of the Allowance line item dollar amount (or cumulatively the total dollar amount of all allowances) that remains unused at the time the written direction is provided.
5. If for any reason the Owner does not require the use of any portion of any Allowance, the dollars not utilized will be credited back to the Owner via Change Order prior to Final Payment.

B. Lump Sum Allowance

1. Contractor is required to provide the cost of all Lump Sum Allowances, as part of the Base Bid Lump Sum, under the heading "Lump Sum Allowance" in their Schedule of Values.
2. This allowance is intended to minimize the impacts to the work due to unforeseen conditions, code official mandates, or revisions/additions by the Owner.
3. The allowance shall not be used without written approval from the Owner or Construction Manager.
4. Contractor shall provide daily work tickets to the Construction Manager for signature. No payment for work performed under the Lump Sum Allowance will be made without signed tickets.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

- A. Coordinate materials and their installation installations to ensure that each allowance with related work.

3.3 SUBMITTALS FOR PAYMENT

- A. Contractor shall invoice for "Allowance" items through periodic applications for payment as Work progresses. Submit payment application with the appropriate dollar amount on the appropriate line item in the application for that allowance.
- B. Submit daily extra work ticket stating the allowance number under which the work was

performed, signed by a CM representative, with the draft payment application on which the specific line item is being billed.

1. If the daily work ticket was submitted & approved for work under a Unit Rate Allowance, the number of units must be stated on the ticket presented for CM signature, and payment will only be made for the number of units on the ticket(s).
2. If the ticket was submitted and approved for any other Allowance usage and is for Time & Materials work, ticket shall be accompanied by actual material & equipment receipts/invoices, and number of man-hours for each type of worker, number of equipment hours, and all material quantities must be stated on the ticket presented for CM signature.

3.4 SCHEDULE OF ALLOWANCES

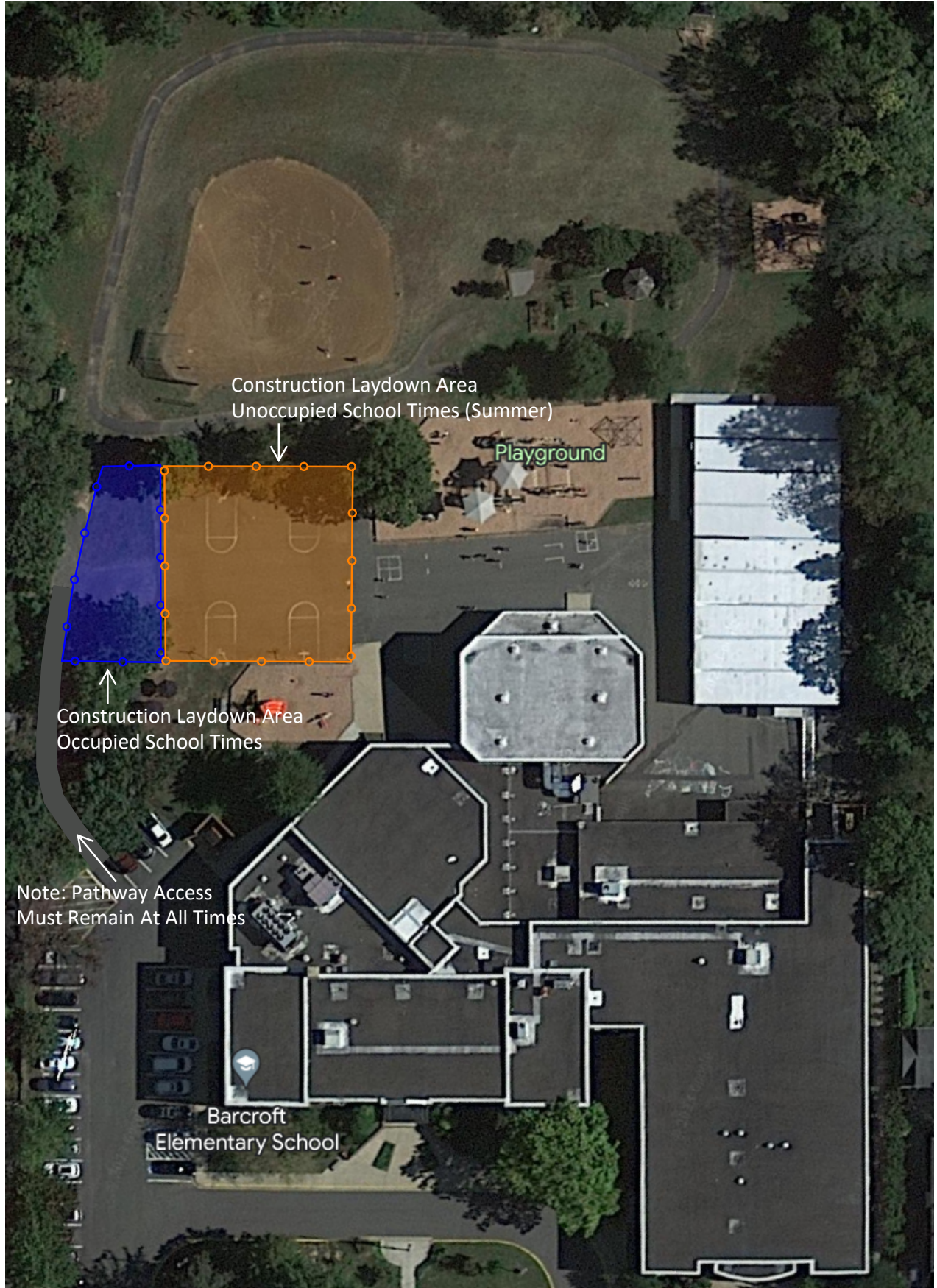
A. Contractor shall include cash amounts in the Base Bid Lump Sum for each item of the following Schedule of Allowances.

B. Lump Sum Schedule of Allowances:

1. **Sealing Existing Above Ceiling Penetrations:** Regarding Floor Plan General Note #15 on Contract Drawings A111, A112, A121, and A122, "Seal all existing and new penetrations in corridor and stair walls with acoustic sealant" and General Note #1 on Contract Drawings M-211, M-212, M-221, and M-212, the Contractor shall include in their Base Bid the cost to seal all new penetrations and an allowance amount to seal existing penetrations. The allowance amount the Contractor shall include to seal existing penetrations is **\$10,000.00**.
2. **Interior Room Signage:** Provide interior room signage at newly constructed heat pump closets. Product materials and installation method of signage shall match existing interior room signage. Contractor shall include **\$10,000.00** in their Base Bid for this allowance.
3. **Replace Leaking or Damaged Sprinkler Piping:** Immediately after existing ceiling systems are demolished, Contractor shall survey existing above ceiling sprinkler piping and report in writing to the Owner or Owner's Representative any leaking or damaged sprinkler piping. Any necessary repairs shall be performed in accordance with all applicable NFPA, State, and Local Codes. Contractor shall include **\$25,000** in their Base Bid for this allowance. The Contractor is to include the cost to perform the above mentioned survey in their Base Bid.
4. **Relocation of Existing Sprinkler Heads:** Provide relocation of existing sprinkler heads including branch piping, hangers, supports, fittings, and escutcheons where existing heads conflict with newly installed partitions, ductwork, piping, light fixtures, or ceilings. Work shall be performed in accordance with all applicable NFPA, State, and Local Codes. Contractor shall include **\$25,000** in their Base Bid for this allowance.
5. **Construction of Roof Top Equipment Screen Walls: Provide screen walls and steel reinforcement to surround Outside Air Units and to extend parapet at cooling tower. Drawings and product selection to be provided to contractor. Contractor shall include \$250,000 in their Base Bid for this allowance.**

END OF SECTION

95FY23 Barcroft Elementary School HVAC Replacement Project
Addendum 2 Attachment B- Construction Laydown Areas For
Informational Purposes Only



Bid Form

Invitation to Bid Title: Barcroft Elementary School HVAC Replacement Project

Invitation to Bid Number: 95FY23

Invitation to Bid Issue Date: February 28, 2023

Bid Closing Date/Time: March 24, 2023, No Later Than 11:59 P.M. (Local Prevailing Time)

Bid Opening Date/Time: March 27, 2023, at 10:00 A.M. (Local Prevailing Time)

Name of Bidder: _____

Submit Bid: **By Uploading into the Platform**

1. The undersigned Bidder declares that it has informed itself fully of all conditions pertaining to the Work and to the location where the Work is to be performed; that it has examined the Bid Documents and Contract Documents, including the Agreement between Owner and Contractor, Conditions of the Contract (General and other conditions), Instructions to Bidders, the Drawings, the Specifications, all Addenda, and all conditions relative to the Work to be performed.
2. The Bidder proposes and agrees, if this Bid is accepted within the number of days provided for in the Instruction to Bidders, to enter into a Contract with the Owner in the form of Contract specified, for the Contract Sum, and within the Contract Period indicated in the Bid Documents to furnish all necessary material, equipment, machinery, apparatus, transportation and labor as required to complete the project indicated on this Bid Form.
3. The Bidder certifies that it has not combined, conspired or agreed to intentionally rig, alter or otherwise manipulate, or to cause to be rigged, altered or otherwise manipulated this Bid for the purpose of allocating purchases or sales to or among persons, raising or otherwise fixing the prices of the goods or services, or excluding other persons from dealing with Arlington Public Schools.
4. Arlington Public Schools requires that a minimum of thirty (30) days after receipt of an approved Application for Payment (invoice) be allowed for payment.
5. The Bidder certifies that it will comply with all provisions of the Virginia Public Procurement Act and with the regulations of Arlington Public Schools.
6. By submitting a Bid, the Bidder represents that the Bidder understands the Insurance Requirements of the Contract Documents and will comply in full if awarded the contract.

7. In submitting this Bid, Bidder represents, as more fully set forth elsewhere in the Bid and Contract Documents:
 - a. Owner has recommended the Bidder examine the site and locality where the Work is to be, the legal requirements (federal, state, and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress of performance of the Work and has made such independent investigations as Bidder deems necessary.
 - b. Bidder acknowledges that Owner and Owner's Representative (Architect) do not assume responsibility for the accuracy of dimensions or completeness of information and data shown or indicated in the Bid Documents with respect to existing facilities.
 - c. Bidder acknowledges that it is obligated to provide to Owner written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered or in the exercise of due diligence and reasonable care as a reasonably competent contractor for the Work to which this Bid is applicable should have discovered in the Bid and Contract Documents and the written resolution thereof by the Owner is acceptable to Bidder, and the Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work for which this Bid is submitted.
 - d. By submitting a Bid in response to this Invitation to Bid, Bidder represents that in the preparation and submission of this Bid, Bidder did not, either directly or indirectly, enter into any combination or arrangement with any person, firm, or corporation or enter into any agreement, participate in any, collusion, or otherwise take any action in the restraint of free, competitive bidding in violation of the Sherman Act (15 U.S.C. Section 1) or Sections 59.1-9.1 through 59.1-9.17 or Sections 59.1-68.6 through 59.1-68.8 of the Code of Virginia.
 - e. Bidder hereby certifies that, if awarded the Contract for construction of the Project, it will take all possible actions to minimize costs to Owner that are related to any disruptions in any part of the Work resulting from unforeseeable conditions which may be encountered and Work changes or additions which may be made.
 - f. Bidder understands that the award of the Contract, if any, will be made on the Total Base Bid unless specifically stated otherwise in the Instructions to Bidders or in this pre-printed Bid Form. Bidder understands that upon award of Contract, all items specified in the Bid Documents shall be furnished unless an "Or-Equal" or "Substitute Item" is accepted by Owner in accordance with the Bid Documents and Contract Documents.
 - g. The Bidder agrees to bear full cost of maintaining the Work until the date the Owner issues the Certificate of Substantial Completion.
 - h. This Bid will remain subject to acceptance for one hundred and twenty (120) days after the day of the Bid Opening.
 - i. Owner may cancel this Invitation to Bid and may reject any and all Bids received.
8. Bidder agrees to the required times for Substantial Completion, Final Completion, and to resulting Liquidated Damages as follows:
 - a. The Work will commence in accordance with the Contract Documents and will have a Substantial Completion Date, a Final Completion Date, and liquidated damages, if any, as provided in the Contract

Documents. These completion dates are subject to adjustments of the Contract Period as provided in the Contract Documents.

9. A. As a Class 1 Mandatory Requirement, the following documents are attached to and made part of this Bid:
1. Required Bid Security in the form of either a certified check, cashier's check, cash escrow or Bid Bond in the amount of five percent (5 %) of the Total Base Bid.
 2. Contractor's License information in compliance with Paragraph 18.1.1 of the Instructions to Bidders.
 3. Completed Appendix A to Bid Form.
 4. If the Bidder is a joint venture, a copy of the written joint venture agreement.
 5. If the Bidder is a partnership, a copy of the written partnership agreement.
- B. The following documents are Class 2 Mandatory Requirements and are: (Please complete the following by checking the appropriate line that applies to providing the requested information)
- a. _____ attached to and made a part of this Bid
 - b. _____ will be supplemented in compliance with the provisions of Paragraph 18.3 of the Instructions to Bidders:
 1. List of Subcontractors for major divisions and/or features of work in compliance with the requirements of Item 17 of this Bid Form and Paragraph 18.2.1 of the Instructions to Bidders.
 2. Pricing Breakdown for Total Base Bid in compliance with the requirements of Item 13 of the Bid Form
 3. Completed Coverage Insurance Checklist in compliance with Paragraph 18.2.3 of the Instructions to Bidders.
10. By submitting this Bid, Bidder certifies that the firm submitting this Bid and registered under that name has the appropriate license and/or certification, as determined by the Commonwealth of Virginia, Department of Professional and Occupational Regulation, Virginia Board for Contractors to perform the scope of work included in this Bid. Include license number below.
- a. _____ Registered as a Contractor under Title 54.1, Chapter 11 of the Code of Virginia:
- Licensed Class _____ Virginia Contractor No. _____ Valid until _____
_____ (Date).
- Classifications _____
- Specialty Services _____

11. Bidder has examined copies of the following Addenda, and receipt of all is hereby acknowledged:

Addendum No. ____	Dated: _____	Addendum No. ____	Dated: _____
Addendum No. ____	Dated: _____	Addendum No. ____	Dated: _____
Addendum No. ____	Dated: _____	Addendum No. ____	Dated: _____
Addendum No. ____	Dated: _____	Addendum No. ____	Dated: _____

12. **Intentionally deleted.**

13. **Bid Schedule**

My Bid to provide all labor, materials and equipment necessary to complete the Work described in the Invitation to Bid is provided in the Bid Form

Bid Item 1. Total Base Bid:

In Writing _____ Dollars

In Figures \$ _____ :00

The funds available for this Project will be announced immediately after Bid Closing and prior to Bid Opening.

If Arlington Public Schools is unable to achieve a Contract Sum within available funds for the Total Base Bid, Arlington Public Schools may negotiate to achieve a Contract Sum within available funds in the manner provided in the Invitation.

Bid Item 2. Pricing Breakdown for Total Base Bid Above:

Provide Lump Sum prices per Division as listed in the Scope of Work and Bid Documents. Cumulative total of all Divisions listed shall match the Total Base Bid. (This information is a Class 2 Mandatory Requirement. Bidder may elect not to include the information in its Bid as submitted for Bid Closing. If not included in the Bid submitted for Bid Closing, this information and this form must be received by Owner no later than 4:00 P.M. the next business day following Notice after the Bid Opening, or the Bid will be deemed nonresponsive and not considered further.):

Division 1. General Requirements	_____ Dollars (\$_____)
Division 2. Existing Conditions	_____ Dollars (\$_____)
Division 5. Metals	_____ Dollars (\$_____)
Division 6. Woods/Plastics/Composites	_____ Dollars (\$_____)
Division 7. Thermal/Moisture	_____ Dollars (\$_____)
Division 8. Openings	_____ Dollars (\$_____)
Division 9. Finishes	_____ Dollars (\$_____)
Division 12. Furnishings	_____ Dollars (\$_____)

Division 13. Special Construction	_____	Dollars (\$_____)
Division 21. Fire Suppression	_____	Dollars (\$_____)
Division 22. Plumbing	_____	Dollars (\$_____)
Division 23. HVAC	_____	Dollars (\$_____)
Division 26. Electrical	_____	Dollars (\$_____)
Division 27. Communications	_____	Dollars (\$_____)
Division 28. Electronic Safety and Security	_____	Dollars (\$_____)
Allowance 01 Sealing Existing Above Ceiling Penetrations	_____	Dollars (\$ <u>10,000.00</u>)
Allowance 02 Interior Room Signage	_____	Dollars (\$ <u>10,000.00</u>)
Allowance 03 Replace Leaking or Damaged Sprinkler Piping	_____	Dollars (\$ <u>10,000.00</u>)
Allowance 04 Relocation of Existing Sprinkler Heads	_____	Dollars (\$ <u>25,000.00</u>)
Allowance 05 Construction of Roof Top Equipment Screen Walls	_____	Dollars (\$ <u>250,000.00</u>)

Bid Item 3. Bid Alternates:

Submit a Bid on each of the Bid Alternates as identified in the Bid Documents and listed below. Do not enter “No Bid” for any Bid Alternate. If the Bid Alternate does not affect your Total Base Bid, enter “\$0.00 (zero dollars).” FAILURE TO COMPLETE ALL BID ALTERNATES AS INSTRUCTED SHALL MAKE THE BID NONRESPONSIVE AND IT WILL NOT BE CONSIDERED FURTHER.

The Bid Alternate is listed as a potential Add to the Total Base Bid. If the lowest responsive Bid from a responsible and qualified Bidder based upon the aggregate of the Total Base Bid and all Bid Alternates as set forth in the Bid Form, is within available funds, the Contract, if awarded, will be awarded to the Apparent Low Bidder for the entirety of the Work identified in the Contract Documents for the Total Base Bid plus all Bid Alternates, subject to such Modifications which may arise subsequent to Bid Opening. If no Bid is received in which the Total Base Bid plus all Bid Alternates is within available funds, **the first basis for award is the responsible and qualified Bidder submitting the lowest responsive Bid with the most Bid Alternate (in order of Preference Listing) which when added to the Total Base Bid, results in a total which does not exceed the funds available. The second basis for award is the responsible and qualified Bidder submitting the lowest responsive Bid in which the Total Base Bid does not exceed available funds.** The funds available for this Project will be announced immediately after Bid Closing and prior to Bid Opening.

If Arlington Public Schools is unable to achieve a Contract Sum within available funds for the Total Base Bid, Arlington Public Schools may negotiate to achieve a Contract Sum within available funds in the manner provided in the Invitation to Bid.

Refer to Section 01 2300 for additional details and descriptions of all Bid Alternates.

Preference Listing.

- Preference 1:** Lowest Aggregate Amount of the Total Base Bid plus Bid Alternate No. 1, Bid Alternate No. 2, and Bid Alternate No. 3.
- Preference 2:** Lowest Aggregate Amount of the Total Base Bid plus Bid Alternate No. 1 and Bid Alternate No. 2.
- Preference 3:** Lowest Aggregate Amount of the Total Base Bid plus Bid Alternate No. 1.
- Preference 4:** Lowest Amount of the Total Base Bid.

Bid Alternate No. 1 –New LED Light Fixtures in the Multipurpose Room, Gym, and Media Center Add

_____ Dollars \$ _____ .00

Bid Alternate No. 2 –New Domestic Hot Water System with Multistack Heat Pump Add

_____ Dollars \$ _____ .00

Bid Alternate No. 3 –New VCT Flooring in Classrooms Add

_____ Dollars \$ _____ .00

Bid Item 4. Allowances:

See Section 01 2100 Allowances for further details. The ~~four~~ **five (4) (5)** allowances noted in Bid Item 2 above shall be included in the Bidder’s Total Base Bid.

14. **Contact for Administration:**

Name:

Address: (Office) _____

Telephone Number: (Office) _____

Fax Number: _____

Full Legal Name of Bidder _____

Remittance Address (If different):

Address: _____

Phone: (____) _____

Email Address: _____

Fax: (____) _____

Date: _____

Tax ID Number (EIN/SSN): _____

15. **State Corporation Commission (SCC) Identification Number:**

A Bidder is required to be authorized to transact business in the Commonwealth of Virginia as a domestic or foreign business entity if so required by Title 13.1 or Title 50 or as otherwise by law. The Bidder confirms that at the time of Bid Closing, the Bidder has met the requirements of the Virginia Public Procurement Act Section 2.2-4311.2. The Bidder shall include in its Bid the identification number issued to it by the Virginia State Corporation Commission (“SCC”). If the Bidder is a joint venture which does not have a SCC identification number, then the name of the joint venture shall be provided, all members of the joint venture shall be identified by full name, and each member of the joint venture shall provide its SCC identification number or establish its exemption from such requirement. For more information on how the SCC can expedite a request for an identification number, please contact the SCC at (www.scc.virginia.gov) or the SCC Clerk’s office at 1-804-371-9733.

Please complete the following by checking the appropriate line that applies and providing the requested information

1. ___ Bidder is a Virginia business entity organized and authorized to transact business in Virginia by the SCC. The Bidder’s identification number issued by the SCC is _____ . *(The SCC number is NOT your federal tax Identification number nor your eVA registration number).*
2. ___ Bidder is an out-of-state (foreign) business entity that is authorized to transact business in Virginia by the SCC and such Bidder’s identification number issued to it by the SCC is _____ .
3. ___ Bidder is a Virginia joint venture organized and authorized to transact business in Virginia by the SCC.
4. ___ Bidder is a joint venture which does not have an identification number issued to it by the SCC but each member of the joint venture is authorized to transact business in Virginia and the SCC identification numbers issued to each member of the joint venture are: [list member name and SCC identification number for each member, or provide the asserted exemption information in sub Section 5 below]

5. ___ Bidder does not have an identification issued to it by the SCC and such Bidder is not required to be authorized to transact business in Virginia by the SCC for the following reason(s):

If you check Option 5 above, you must attach additional sheets to explain in further detail why such Bidder is not required to be authorized to transact business in Virginia. Bids that fail to submit supporting details regarding option 3 above may be considered non-responsive by APS.

***Note: If Bidder is required to have an SCC#, the SCC# shall be active at the date/time that the Bid is opened. Failure of Bidder to have an active SCC# at the date/time the Bid is opened will result in a determination that Bid is non-responsive and the Bid shall be rejected and will not be considered for Contract award.**

16. **Virginia Contractor’s License:**

A Bidder is required at the time of Bid Closing and, if awarded a Contract, at the time of contracting, to hold a Virginia Class A Contractor’s License with all Classifications and/or Specialty Services certifications required for all portions of the Work the Bidder intends to perform with its own forces if awarded the Contract. The Bidder confirms that at the time of Bid Closing, the Bidder holds a Virginia Class A Contractor’s License with all Classifications and/or Specialty Services certifications required for all portions

of the Work the Bidder intends to perform with its own forces. The Bidder shall include in its Bid the Class A Contractor’s License number and date of license expiration, and the Classification and/or Specialty Services certifications held. If the Bidder is a joint venture which does not have a Virginia Class A Contractor’s License, then the name of the joint venture shall be provided, all members of the joint venture shall be identified by full name, and each member of the joint venture shall provide Contractor’s License information in compliance with these requirements.

17. **List of Subcontractors:**

Listed below are certain divisions or features of the Work contained in the Contract Documents (“Identified Divisions or Features”). For any Identified Division or Feature which the Bidder intends to perform itself, it is a Class 1 Mandatory Requirement that the Bidder hold the Classifications and/or Specialty Services designations required to permit it to perform that Identified Division or Feature.

For any Identified Division or Feature which the Bidder intends to have performed by a Subcontractor (“Identified Division or Feature Subcontractor”), the Bidder shall state below the name of each proposed Identified Division or Feature Subcontractor, and shall state the Virginia Class A Contractor’s License number and expiration date for that Identified Division or Feature Subcontractor. The Contractor’s License for each proposed Identified Division or Feature Subcontractor shall include the Classification and/or Specialty Services certification which permits the Identified Division or Feature Subcontractor to perform such Work. As a Class 2 Mandatory Requirement, the Bidder may elect to submit this Identified Division or Feature Subcontractor Information as provided in Paragraph 18.3 of the Instructions to Bidders.

For any Subcontractors other than Identified Division or Feature Subcontractors, all such Subcontractors shall have a Virginia Contractor’s License in compliance with the Class A, Class B or Class C requirements established by applicable statutes and Virginia Board for Contractors Regulations at the Class level and holding the Classifications and/or Specialty Services certifications required to perform the Work included in the applicable Subcontract. For all proposed Subcontractors other than Identified Division or Feature Subcontractors, the successful Bidder shall have a maximum of fourteen (14) days after Notice to Proceed to submit to APS for vetting and approval the **final** list of such Subcontractors, which final list shall include the previously Identified Division or Feature Subcontractors. If the Bidder at any time after Bid Closing seeks to change an Identified Division or Feature Subcontractor identified below, the Bidder shall comply with the requirements of General Conditions Part 6.

The Bidder certifies that all Subcontractors listed are eligible in all respects to perform the Work. Bidder’s failure to submit the List of Subcontractors in compliance with Item 9.B of this Bid Form shall result in Bidder’s Bid being deemed as non-responsive.

Subcontractor's Work	Subcontractor		
	Name	Class A Contractor's License Number (Including any Classifications and/or Specialty Services)	Expiration Date
Electrical (ELE)			
HVAC (HVA)			

Fire Suppression (FSP)			
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18. **Debarment Status:**

If you answer yes to any of the following, on a separate attachment, state the person or entity against whom the debarment was entered, give the location and date of the debarment, describe the project involved, and explain the circumstances relating to the debarment, including the names, addresses and phone numbers of persons who might be contacted for additional information.

1. Is your organization or any officer, director, project manager, procurement manager, chief financial officer, partner or owner currently debarred from doing federal, state or local government work for any reason?
Yes ___ No ___
2. Has your organization or any current officer, director, project manager, procurement manager, chief financial officer, partner or owner ever been debarred from doing federal, state or local government work for any reason?
Yes ___ No ___

My signature certifies that the Bidder has no business or personal relationships with any other companies or persons that could be considered as a conflict of interest or potential conflict of interest to Arlington Public Schools, and that there are no principals, officers, agents, employees, or representatives of Bidder that have any business or personal relationships with any other companies or person that could be considered as a conflict of interest or a potential conflict of interest to Arlington Public Schools, pertaining to any and all work or services to be performed as a result of this Bid and any resulting Contract with Arlington Public Schools.

Person signing must be authorized to bind the Bidder in contractual matters. If the Bidder is a joint venture the Bid must be signed by an authorized representative of each member of the joint venture. Add additional copies of this signature page if necessary.

By: _____

Name: _____

Title: _____

Date: _____

End of Bid Form

***Addendum No.2 must be signed, dated, and submitted via the secure cloud-based file sharing platform specified in the ITB prior to the Bid Closing Date/Time stated above OR acknowledgment of receipt of this Addendum may be noted on the Bid Form.**

Name of Bidder: _____

Signature: _____

Name: _____

Title: _____

Date: _____

Issued By:

Brandon Christian

Senior Procurement Specialist

Direct Telephone: (703) 228-7649

Email: brandon.christian@apsva.us