

WHITE PLAINS CITY SCHOOL DISTRICT
5 HOMESIDE LANE
WHITE PLAINS, NEW YORK 10605

BID #F2020-42: HVAC TESTING & BALANCING - DISTRICTWIDE

CHURCH STREET SCHOOL	RIDGEWAY SCHOOL	HIGH SCHOOL
GEORGE WASHINGTON SCHOOL	HIGHLANDS MIDDLE SCHOOL	DAMMANN HOUSE
MAMARONECK AVENUE SCHOOL	EASTVIEW MIDDLE SCHOOL	ROCHAMBEAU SCHOOL
POST ROAD SCHOOL	EDUCATION HOUSE	FACILITES BLDG

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**BOARD OF EDUCATION
WHITE PLAINS CITY SCHOOL DISTRICT
5 HOMESIDE LANE, WHITE PLAINS, NEW YORK 10605
WESTCHESTER COUNTY**

NOTICE TO BIDDERS

The Board of Education of the White Plains City School District, White Plains, New York, popularly known as White Plains School District, in accordance with Section 103 of Article 5-A of the General Municipal Law, hereby invites the submission of sealed bids from reputable and qualified contractors for the provision of labor and materials for the following contract applicable to all properties owned and/or operated by the White Plains School District ("School District"):

**LABOR AND MATERIAL CONTRACT FOR:
BID #F2020-42: HVAC TESTING & BALANCING - DISTRICTWIDE
Thursday, March 19, 2020 – 2:00PM**

Bids for Bid #F2020-42: HVAC TESTING & BALANCING for the term of July 1, 2020 through June 30, 2021 will be received until the above stated hour of prevailing time and date at the Business Office, 5 Homeside Lane, White Plains, New York, at which time and place all bids will be publicly opened. The Bid Documents, including but not limited to Instructions to Bidders, Bidding Procedures and Requirements, Qualifications of Bidders, Specifications and bid forms must be obtained by going online at <https://www.whiteplainspublicschools.org/Page/19996> or <http://www.bidnetdirect.com>. Only those vendors who obtain bidding documents from <http://www.bidnetdirect.com> or <https://whiteplainspublicschools.org/Page/19996> are guaranteed to receive addendum information, if such is issued. If you obtained documents from a source other than the <http://www.bidnetdirect.com> or <https://whiteplainspublicschools.org/Page/19996>, the School District will not guarantee the integrity of the document.

Bids must be presented on the forms provided in the Bid Documents in the manner designated therein and as required by the Instructions to Bidders, Bidding Procedures and Requirements, Qualifications of Bidders, and Specifications. **Each bid must be accompanied by bid security in the amount of \$500.00.** The bid security should be either a bid bond or certified company check or bank check made payable to the White Plains Board of Education. All bids must be enclosed in sealed, opaque envelopes which are clearly marked on the outside: **Bid # F2020-42: HVAC TESTING & BALANCING- DISTRICTWIDE.** Bids shall remain firm for a period of forty-five (45) days following the date of the bid opening.

The Board of Education reserves the right to waive what it deems to be informalities relating to a specific bid, to waive what it deems to be informalities relating to the bidding process, to waive what it deems to be technical defects, irregularities and omissions relating to a specific bid, to request additional information from any bidder, to re-advertise and invite new bids, to reject any or all bids, to accept the whole or part of any bid or to accept parts of bids from more than one bidder which, in the Board of Education's judgment, is in the best interest of the School District.

The Board of Education reserves the right to consider experience, service and reputation in the above-referenced fields. In addition, the Board of Education reserves the right to consider the financial responsibility and specific qualifications, as set out herein, of the prospective bidder in its evaluation of the bids and award of the contracts.

BOARD OF EDUCATION
WHITE PLAINS CITY SCHOOL DISTRICT
District Office
5 Homeside Lane
White Plains, New York 10605

By: Toni Russo, Purchasing Agent

INSTRUCTIONS TO BIDDERS

1. Carefully inspect all general and special provisions of the Bid Documents.
2. Complete all forms. Be sure to sign in all required places. It is the bidder's responsibility to copy all documents that are to be returned with the bid (see Bidder's Checklist – page 33).
3. All materials submitted to the School District pursuant to this bid shall become the property of the School District and will not be returned to the bidder. The bidder is responsible for making its own copies of any or all parts of the Bid Documents for its files. After a contract is awarded or one or more bids are rejected, bids may be made available upon request pursuant to the Freedom of Information Law ("FOIL") for public inspection, except to the extent that certain personally identifiable information may be redacted as an invasion of personal privacy or the bidder has designated and the School District concurs that certain information constitutes a trade secret or other proprietary information or data. If a bidder believes that a portion of its proposal contains trade secrets or other proprietary data that should remain confidential and not be disclosed, a statement advising the School District of this fact shall accompany the bid and the information is to be identified wherever it appears. Identifying an entire bid as proprietary is unacceptable and will result in no part of the bid being treated as containing a trade secret or other proprietary information or data.
4. Bids must be presented in a sealed, opaque envelope(s) addressed as follows:

<p>Board of Education White Plains City School District 5 Homeside Lane White Plains, New York 10605 Attn: Toni Russo, Purchasing Agent</p> <p><u>Bid #F2020-42: HVAC TESTING & BALANCING- DISTRICTWIDE</u></p>
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5. Bids shall remain open for a period of forty-five (45) days following the date of the bid opening.
6. Bids will be received until **2:00 p.m. on March 19, 2020** at the White Plains City School District, White Plains, New York. All bids will be publicly opened at the above-stated time at the School District's Business Office located at 5 Homeside Lane, White Plains, New York.
7. The bidder to whom a contract is awarded must comply with all New York State Labor Laws, including compliance with the current prevailing wage rates. All invoices must be accompanied by certified payrolls in order for payments to be processed.

8. Performance and Payment Bonds as stipulated in #39 of Specifications are waived for the contract intended to be awarded.

BIDDING PROCEDURE AND REQUIREMENTS

1. The date and time of bid opening will be given in the Notice to Bidders and Instruction to Bidders.
2. Bidders shall be responsible for visiting the respective sites to fully familiarize themselves with the scope of work required under the contract intended to be awarded.
3. All bids must be submitted on and in accordance with the forms included in the Bid Documents. See Checklist on page 33.
4. Where so indicated by the makeup of the Bid Form(s), sums shall be expressed in both words and figures, and in case of discrepancy between the two, the amount written in words will govern.
5. A bidder shall not make any stipulations on the Bid Form(s) or qualify its Bid in any manner. No bid will be considered which purports to qualify, limit, amend or omit any requirement of the Bidding Documents.
6. A bid shall include the legal name of the bidder(s) and a statement whether the bidder(s) is a sole proprietor, a partnership, a corporation, or any other legal entity, and shall be signed by the person or persons legally authorized to bind the bidder(s) to a contract. A bid by a corporation shall also give the State of Incorporation and have the corporate seal affixed on the signature pages of each Bid Form. A bid submitted by an agent shall have a current Power of Attorney attached certifying the agent's authority to bind the bidder.
7. Bidders will provide, along with the completed Bid Form(s), evidence demonstrating an ability to provide the requested services, including, if applicable, a list of any and all school districts of a similar size which the bidder(s) has served during the past five (5) years and a summary of their experience over at least five (5) years of successful completion of the services required herein in compliance with the applicable laws, rules and regulations of the State of New York.
8. Bidders will also provide the last three (3) years of audited financial statements.
9. Bidders must include a reference list, setting out the names of all school districts served by it with comparable services, and shall further set out the name and telephone number of each business official or other school district liaison/individual with knowledge of the comparable services provided by the bidder(s).
10. All information required in the Notice to Bidders, Instructions to Bidders, Bidding Procedures and Requirements, Qualifications of Bidders, Specifications, Technical

Specifications and Bid Form(s), in connection with each item against which a bid is submitted, must be provided to constitute a regular bid.

11. No alteration, erasure, or addition is to be made to the typewritten or printed matter. Any deviations from the Instructions to Bidders, Bidding Procedures and Requirements, Qualifications of Bidders, Specifications, or Technical Specifications will constitute sufficient grounds for rejection of a bid.
12. Prices and information required, except signature of bidder, should be typewritten for legibility. Illegible or vague bids may be rejected. All signatures must be written by hand in ink and the full name of the person who provided the signature shall be legibly printed below the signature. Facsimile, printed, or typewritten signatures are not acceptable. Initials, stamps, photocopies or other copies, or company names may not be used in lieu of any required signature.
13. No charge will be allowed for federal, state, or municipal sales and excise taxes since the School District is exempt from such tax. Exemption certificates, if required, will be furnished on forms provided by the bidder.
14. All bids received after the time stated in the Notice to Bidders will not be considered and will be returned to the bidder. The bidder assumes the risk of any delay in the mail or in the handling of the mail by employees of the School District. Whether sent by mail or by means of personal delivery, the bidder assumes responsibility for having his/her bid deposited on time at the place specified.
15. **THE BOARD OF EDUCATION RESERVES THE RIGHT TO WAIVE WHAT IT DEEMS TO BE BIDDING OR SPECIFICATION INFORMALITIES RELATING TO A SPECIFIC BID, TO WAIVE WHAT IT DEEMS TO BE INFORMALITIES RELATING TO THE BIDDING PROCESS, TO WAIVE WHAT IT DEEMS TO BE TECHNICAL DEFECTS, IRREGULARITIES AND OMISSIONS RELATING TO A SPECIFIC BID, TO REQUEST ADDITIONAL INFORMATION FROM ANY BIDDER, TO REJECT ANY AND ALL BIDS, TO RE-ADVERTISE AND INVITE NEW BIDS, OR TO ACCEPT THE WHOLE OR A PART OF A BID, OR TO ACCEPT PARTS OF BIDS FROM MORE THAN ONE BIDDER AS IN THE BOARD'S JUDGMENT, IS IN THE BEST INTEREST OF THE SCHOOL DISTRICT.**
16. The submission of a bid will be construed to mean that the bidder is fully informed as to the extent and character of the services, supplies, materials, or equipment required and a representation that the bidder can furnish the services, supplies, materials or equipment satisfactorily in complete compliance with these Bid Documents, including but not limited to the Bid Form(s), Specifications and Technical Specifications.
17. All bids must be sealed. They must be submitted either in plain opaque envelopes, or in those furnished by the School District. All bids must be addressed to the Board of Education, White Plains City School District, Attention: Toni Russo, Purchasing Agent. Bid envelopes must be clearly **marked Bid #F2020-42: HVAC TESTING & BALANCING-DISTRICTWIDE**. Also, the date and time of the bid opening as indicated on the Notice to Bidders must appear on the envelope. Telephone quotations or amendments will not be

accepted at any time. All materials submitted with the Bids will become the property of the School District and will not be returned.

18. The contract to be awarded as a result of this solicitation of bids shall have a term of **July 1, 2020 through June 30, 2021.**
19. Bidders shall submit their bids on the provided Bid Form(s). Bidder's prices shall include all costs associated with the work to be performed. Such costs shall include the necessary labor, equipment, materials, transportation and utensils to complete the work as required by the School District.
20. Each bidder awarded a contract shall be responsible for complying with all laws, rules, regulations, codes and/or ordinances that apply to the services to be rendered or the materials to be supplied.
21. Any bidder awarded a contract as a result of this solicitation of bids must comply with the prevailing wage rates that are applicable to the labor and services to be provided. All wages and supplements paid to laborers performing any work of a contract awarded as a result of this solicitation for bids shall be in accordance with the New York State Department of Labor Prevailing Wage Schedule, specifically "General Construction Rates" for Westchester County, Prevailing Wage Schedule# 2020001602. Prevailing Wage Rates are subject to change annually on July 1st. Any bidder awarded a contract is responsible to meet the wages as posted by NYSDOL July 1st every year.
22. The White Plains City School District shall have the unilateral option of extending or renewing the contract(s) awarded as a result of this solicitation of bids for two (2) consecutive additional periods of twelve (12) months, each upon the same terms and conditions as are contained in these Bid Documents. The School District each year will consider, upon request, an inflationary increase not to exceed the Consumer Price Index for December from the New York, Northeastern New Jersey area based upon index for all urban consumers (C.P.1-U). Said options shall be deemed to have been exercised upon formal written notification thirty (30) calendar days prior to the expiration of any contract awarded as a result of this solicitation for bids provided that the Purchasing Agent shall have given preliminary notice of the White Plains City School District's intention to renew at least sixty (60) calendar days before the awarded contract(s) is to expire. (Such a preliminary notice will not be deemed to commit the White Plains CSD to exercise the option.) If the White Plains City School District exercises the option for the first additional twelve (12) month period, the contract as renewed shall be deemed to include the option provision for the second additional twelve (12) month period. However, the total duration of the awarded contract, including any option(s) under this clause, shall not exceed thirty-six (36) months.
23. Each bid will be received with the understanding that its acceptance, in writing, by the School District, approved by the Board of Education, to furnish any or all of the items described shall constitute a Contract between the accepted bidder and the School District that incorporates all the terms and requirements of the Bid Documents (including but not limited to the Instructions to Bidders, Bidding Procedures and Requirements,

Qualifications of Bidders, Specifications, and Technical Specifications) and the accepted portion of the bidder's bid. The Contract shall bind the accepted bidder to furnish the labor and material required at the prices set forth in the accepted portion of its bid.

24. The placing in the mail of a notice of award to an accepted bidder, to the address given in the bid, will be considered sufficient notice of award of a Contract.
25. It is mutually understood and agreed that any bidder awarded a Contract shall not assign, transfer, convey, sublet, or otherwise dispose of the Contract or its right, title, or interest herein, or its power to execute such Contract, or any part thereof to any person, company or corporation, without the prior written consent of the School District.
26. These Bid Documents (including but not limited to the Instructions to Bidders, Bidding Procedures and Requirements, Qualifications of Bidders, Specifications, and Technical Specifications) any Addenda issued by the School District, and the accepted portion of the submitted bid shall form a part of the awarded Contract(s) and the provisions thereof shall be binding upon the School District and the accepted bidder(s). The term "Contract Documents" shall include all of the aforesaid together with the Contract itself.
27. Each and every provision of law and clause required by law to be inserted in the Contract shall be deemed to be inserted in it and the Contract shall be read and enforced as though it were included herein, and if through a mistake or otherwise, any such provision is not inserted or is not correctly inserted, then upon the application of either party, the Contract shall forthwith be physically amended to make such insertion.
28. It is understood that the Contract in no way excludes the School District from using its own forces, or services provided by other school districts or BOCES, or in any way limits the School District from using other contractors in performing similar or other services.
29. Bid results will be available after a contract(s) is awarded by Board of Education or all bids are rejected.

30. IRAN DIVESTMENT ACT

By submitting a bid in response to this solicitation or by assuming the responsibility of a Contract awarded hereunder, the bidder certifies that it is not on the "Entities Determined To Be Non-Responsive Bidders/Offerers Pursuant to The New York State Iran Divestment Act of 2013" list ("Prohibited Entities List") posted on the OGS website at: <http://www.ogs.ny.gov/about/regs/docs/ListofEntities.pdf> and further certifies that it will not utilize for any awarded Contract any subcontractor that is identified on the Prohibited Entities List. Additionally, each Bidder is advised that should it seek to renew or extend a Contract awarded in response to the solicitation, it must provide the same certification at the time the awarded Contract is renewed or extended.

During the term of the awarded Contract, should White Plains City School District receive information that a person (as defined in State Finance Law §165-a) is in violation of the above-referenced certifications, White Plains City School District will review such information and offer the person an opportunity to respond. If the person fails to

demonstrate that it has ceased its engagement in the investment activity which is in violation of the Act within 90 days after the determination of such violation, then White Plains City School District shall take such action as may be appropriate and provided for by law or contract, including, but not limited to, seeking compliance, recovering damages, or declaring the bidder(s) awarded a Contract in default.

White Plains City School District reserves the right to reject any bid, request for assignment, renewal or extension for an entity that appears on the Prohibited Entities List prior to the award, assignment, renewal or extension of a contract, and to pursue a responsibility review with respect to any entity that is awarded a contract and appears on the Prohibited Entities list after contract award.

The attached Iran Divestment Act of 2012 Certification Form must be signed, notarized and returned by each bidder with its bid.

Qualifications of Bidders

The work and services described in these Bid Documents include the performance of activities directly affecting the health and safety of the students and staff of the School District and the public generally. The School District may make any investigation necessary to determine the ability of the bidder to fulfill the terms of any contract(s) awarded as a result of this solicitation of bids, and the bidder shall furnish the School District with all such information for this purpose as the School District may request. If, in the opinion of the School District, the bidder is not properly qualified or responsible to perform any obligations of the Contract bid upon, the School District reserves the right to reject its bid.

The following minimum requirements must be met to qualify for bidding:

- a) Bidder must possess and demonstrate facilities, knowledge and capabilities to satisfy all requirements of the Bid Documents.
- b) Bidders shall be knowledgeable and qualified to provide a wide range of service and/or repairs to the School District's equipment and/or facilities. Proof of said qualifications and specific training shall be furnished to the School District together with the bid. Employees who possess specialized training, skill or experience with the equipment on site shall be clearly noted with the bid.
- c) Each bidder must demonstrate that it is a responsible service and maintenance organization possessing adequate financial resources to accomplish the various services as described herein and that it has a satisfactory record of performance and integrity.
- d) Bidders shall be able to demonstrate at least (5) five years of continuous commercial service or maintenance work. References shall be provided as set forth herein. The School District reserves the right to request additional documentation or information from the bidders as a means of determining qualifications and/or responsibility.
- e) Bidder must include a reference list, setting out the names of all school districts served by it with comparable services, and shall further set out the name and telephone number of each business official or other school district liaison/ individual who has knowledge of the services performed by the bidder.

- f) Bidder must submit a list of names and addresses of any person or entity owning 10% or more of the company. Should any person or entity listed have ownership of another company, such information shall be disclosed. If bidder is a publicly traded corporation, the latest annual report listing all officers shall be provided.
- g) Bidder must be responsible, as demonstrated by:
 - a. A lack of pending lawsuits or substantive outstanding judgments or liens, including Federal or State tax liens.
 - b. No denials of performance bonds within the last seven years.
 - c. A satisfactory credit history as evidenced by a review that may be made by the School District.
 - d. Work performance on other projects.
 - e. Such other information as the Board of Education, in its sole discretion, determines is relevant to the responsibility of the bidder.
- h) Upon investigation of any references and information submitted by the bidder, the Board of Education reserves the right to reject any bid where it is found that the bidder's qualifications are not consistent with the requirements of these Bid Documents or the information presented.
- i) Bidder must have a safety program that is compliant with OSHA Regulations and Standards. Bidder shall make available for inspection their program and training documents.

INTERPRETATION OF BIDDING DOCUMENTS

No interpretation of the meaning of the specifications or other Bid Document will be made to any bidder orally. Every request for such interpretation should be made in writing, addressed to **Toni Russo, Purchasing Agent** White Plains City School District, 5 Homeside Lane, White Plains, New York 10605, not later than five (5) business days prior to the date fixed for the opening of bids. Notice of any and all interpretations and any supplemental instructions will be issued in the form of addenda to the Bid Documents. All addenda so issued shall be posted to <https://www.whiteplainspublicschools.org/Page/19996> and <http://www.bidnetdirect.com>, and shall become a part of the Contract Documents of any contract awarded as a result of this solicitation for bids. Failure of any bidder to receive any such addendum or interpretation shall not relieve any bidder from any obligations under his/her bid submitted.

CONTRACT AWARD

The School District will endeavor to make an award within forty-five (45) days of the date of the bid opening and all bids shall remain firm during that time frame. The School District further reserves the right to make award following this period to any bidder who has not provided written notice to the School District that its bid has been withdrawn.

Award will be made to the lowest responsible bidder, as will best promote the public interest, taking into consideration the reliability of the bidder, the quality of the labor, materials, equipment, or supplies to be furnished, and the conformity with the Bid Documents (including but not limited to the Instructions to Bidders, Bidding Procedures and Requirements, Qualifications of Bidders, Specifications, and Technical Specifications).

METHOD OF AWARD

The contract if awarded will be to the lowest responsive/responsible bidder(s) in part or in whole who meet(s) all the terms of the Bid Documents (including but not limited to the Instructions to Bidders, Bidding Procedures and Requirements, Qualifications of Bidders, Specifications, and Technical Specifications). The White Plains City School District guarantees no minimum or maximum purchase or service pursuant to a contract awarded as a result of this solicitation of bids. Additionally, the White Plains City School District reserves the right to purchase any goods or services included as a part of this bid from any means legally available to it at any time.

The School District reserves the right to reject all bids; to reject any bid in whole or in part, to accept parts of bids from more than one bidder, to waive technical defects, irregularities, and omissions relating to a specific bid, to waive what it deems to be bidding or specification informalities relating to a specific bid, to waive what it deems to be informalities relating to the bidding process, if in its judgment the best interests of the School District will be served; and to reject all bids and to purchase items on State or County contract as permitted by law if such items can be obtained on the same terms, conditions, specifications, at a lower price.

If two or more Bidders submit identical bids as to price, the decision of the Board to award a Contract to one such Bidder shall be final.

No cash discount may be offered or quoted by any Bidder.

Bidders submitting bids acknowledge that, pursuant to New York General Municipal Law Section 103 (16), the White Plains City School District intends to allow all political subdivisions in the State of New York to participate in the bid award/contract resulting from this solicitation for bids. These political subdivisions include, but are not limited to local governments (villages, town, etc.), public authorities, public school and fire districts, public and nonprofit libraries, and certain other nonpublic/nonprofit organizations. Such political subdivisions shall participate in the bid award/contract by entering into their own separate contracts with the successful bidder(s) that are based upon, incorporate and honor the terms, conditions, specifications and prices of the bid award/contract resulting from this solicitation for bids. White Plains City School District shall have no liability or responsibility to pay for any goods or services provided to another political subdivision – each political subdivision is responsible for paying for the goods and services it obtains through the bid award/contract resulting from this bid.

EQUAL EMPLOYMENT

It is the policy of the White Plains City School District to provide equal employment opportunities to all individuals in its personnel and employment practices. In accordance with NYS and Federal Law, the White Plains City School District prohibits discrimination because of creed, race, color, sex, sexual orientation, national origin, religion, age, marital status, military status, domestic violence victim status, predisposing genetic characteristics or disability in all employment practices including recruitment, solicitation for employment, hiring, firing, training, job assignments, promotion, compensation and other terms, conditions and privileges of

employment Further, contractors with the White Plains School District shall be required to meet equal employment opportunity standards.

New York State strives to promote equality of economic opportunities for minority and women-owned business enterprises. New York State encourages including minority and women-owned business enterprises (“MWBEs”) as bidders, subcontractors and suppliers on public procurement contracts. By submitting a bid, the bidder(s) certifies that if it is awarded a Contract, (a) it will make commercially reasonable good faith efforts to utilize suppliers that are certified MWBEs, (b) to the extent subcontracting is needed and permitted by the School District, bidder will make commercially reasonable good faith efforts to utilize subcontractors, who are certified MWBEs and (c) bidder will retain documentation of these efforts to be provided upon request to the School District and/or New York State. Evidence of good faith efforts shall include, but not be limited to, the following: (a) copies of solicitations to MWBEs and any responses thereto; (b) explanation of the specific reasons each MWBE that responded to such solicitations was not selected; and (c) explanation of the specific steps undertaken for the purpose of subcontracting with or obtaining supplies from certified MWBEs.

SPECIFICATIONS

1. To provide skilled, experienced, prompt service to a wide variety of projects on an “on-call” basis and/or as required completing the work described herein.
2. Work shall include troubleshooting, repair, replacement, installation, new work and general maintenance of equipment and/or facilities as the case may be.
3. The bidder(s) awarded a contract must be equipped to provide emergency work within (2) two hours of the School District’s call for service and to commence non-emergency/new work within twenty-four (24) hours of the School District’s call for service.
4. In the event that the work cannot be performed as per time schedule by the bidder awarded a contract, the School District may arrange for another entity to perform the work per the schedule and the bidder awarded a contract will be responsible for payment of any increased cost incurred by the School District.
5. Proof of proper licensure and certification of the bidder as well as, if applicable, each employee who will furnish services pursuant to the contract intended to be awarded shall be provided to the School District.
6. The bidder(s) awarded a contract shall comply with all rules and regulations of the School District and all directives issued by the School District.
7. Smoking will not be permitted anywhere on School grounds.
8. The owners, employees, officers, directors or approved subcontractors of bidder(s) awarded a contract shall not have any contact or communication with any student or teacher.
9. Photo identification badges must be worn at all times that the bidder(s) awarded a contract, its agents or employees are on-site rendering services or performing work.
10. Non-interference with Occupation of the Buildings and Premises:
 - a. The bidder(s) awarded a Contract must take into consideration the fact that the sessions of the school must be continued as usual during the progress of the work. The operation of the fire alarm, the interior fire alarm system, gongs, bells, facsimiles and telephones must not be interfered with.
 - b. Fixtures or essential parts of material or equipment shall not be removed until permission is given by the School District’s Director of Facilities & Operation and, in the case of replacements, not until the essential replacement material or fixture has been delivered to the applicable building or site.
 - c. The safety of the pupils and teachers requires that nothing shall be done to in any way block the streets in or about the exits, or the exits themselves. Neither shall there be any unauthorized interference with the free and unobstructed use of the hallways, stairways, toilets and rooms. When necessary for mechanics to work in

any portion of the premises normally occupied by the school, application must be made, before entering therein, to the School District's Director of Facilities & Operations who will perfect a working agreement with the principal of the school so that the work may be carried forward in a manner to interfere as little as possible with the school session.

- d. Whenever work is carried on during school sessions, not more than one stairway shall be closed off from free and safe use of the pupils at any time, and this only after the written permission of the School District's Director of Facilities & Operations has been obtained. No part of the building or premises shall be closed to the use of the occupants without the permission of the School District's Director of Facilities & Operations. When such permission has been given, the bidder(s) awarded a Contract shall provide and erect temporary partitions, barriers, etc., where required to insure absolute safety of the occupants of the building or premises.
11. Under the contract intended to be awarded as a result of this solicitation, sub-contracting shall not be permitted without prior written approval by the School District.
 12. Bidder and its employees shall have tools and equipment necessary to perform the required work.
 13. All labor shall be performed by skilled workmen and the bidder(s) awarded a Contract shall not employ men or means which may cause stoppage or delay in the work under the awarded Contract or that of any other contractor or any work in or about the premises of these buildings or any buildings or premises under the control of the Board of Education.
Each time a bidder awarded a contract or its employees or its approved subcontractors performs any work in the School District he shall report his arrival and departure and what service he is performing to the custodian in charge.
The bidder(s) awarded a Contract shall submit to the Facilities & Operations Department a full report of the service call which shall include:
 - a. Date and time;
 - b. Name of person performing work;
 - c. On-job service time;
 - d. Description of work, including all parts replaced or repaired
 14. When repairing and replacing any systems or parts for the equipment in place at the School District's facilities or when undertaking any new installation, the bidder(s) awarded a Contract shall use the most current materials manufactured. Obsolete or out of date materials shall not be allowed under any circumstances.
 15. Necessary parts and materials shall be included in costs stated in the Bid Form(s). If requested by the School District, the bidder(s) awarded a Contract will attach to each of its invoices a receipt and/or purchase order for the materials/parts purchased and installed by the bidder. All parts shall be new and shall be equal to or better than the original equipment/material. Rebuilt parts may be used only with prior written approval of the School District. Any merchandise provided under the awarded Contract which is or

becomes defective during the guarantee period shall be replaced by the bidder free of charge with the specific understanding that all replacements shall carry the same guarantee as the original equipment. The bidder(s) awarded a Contract shall make any such replacement immediately upon receiving notice from the School District.

16. The School District reserves the right to furnish parts and materials if it deems it to be in its best interest.
17. The bidder(s) awarded a Contract shall maintain an adequate inventory of new, original manufacturer's parts and materials so as to ensure prompt repairs or installations on short notice. The bidder(s) awarded a Contract shall furnish the source and amount of such inventory.
18. Delivery must be made in accordance with these specifications. The decision of the School District as to reasonable compliance with delivery terms shall be final.
19. The School District will not accept any deliveries on Saturdays, Sundays, or legal holidays, except commodities required for daily consumption or where the delivery is for an emergency repair or installation.
20. Items shall be securely and properly packed for shipment, storage, and stocking in shipping containers according to accepted commercial practice, without extra charge for packing cases, baling, or sacks.
21. The bidder(s) awarded a Contract shall be responsible for delivery of items in good condition at the point of destination. The bidder(s) awarded a Contract shall file with the carrier all claims for breakage, imperfections, and other losses, which will be deducted from invoices. The School District will note for the benefit of such bidder(s) when packages are not received in good conditions.
22. Unless otherwise stated in the specifications, all items must be delivered into and placed at a point within the building as directed by the shipping instructions or the agent for the School District.
23. Unloading and placing the equipment inside the building is the responsibility of the bidder(s) awarded a Contract, and the School District accepts no responsibility for unloading and placing equipment. Any costs incurred due to the failure of the bidder(s) to comply with this requirement will be charged to it. No help for unloading will be provided by the School District, and bidders should notify their suppliers and truckers accordingly.
24. The bidder(s) awarded a Contract shall not unreasonably encumber the site with materials or equipment during the performance of its work. Only materials and equipment which are to be used directly in the performance of the bidder's work shall be brought to and/or stored on the premises of the School District. After equipment is no longer required for its work, the bidder shall promptly remove such equipment from the premises of the School District. The bidder(s) awarded a Contract shall be solely

responsible for the protection of materials and equipment stored on the premises from weather, theft, damage and all other adversity. The bidder(s) awarded a Contract shall at all times provide the proper housekeeping to minimize potential fire hazards, and shall provide approved spark arresters on all steam engines, internal combustion engines and flues. The bidder(s) awarded a Contract shall keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by the performance of all of the Work being performed on-site and in the buildings. At the conclusion of the work, such bidder shall restore the premises to its original condition. This restoration shall include but not be limited to: cleaning the areas in which work was performed; removal of all waste, materials, rubbish, tools, equipment, machinery and surplus materials. If clean-up is not performed in accordance herewith, the School District may engage the services of a cleaning company each time the requirement is not met without further notification to the bidder(s) awarded a Contract. The cost of such cleaning company, together with the cost of any custodial costs of the School District, will be charged to such bidder.

25. All deliveries shall be accompanied by delivery tickets or packing slips. Ticket shall contain the following information for each item delivered:
 - Purchase Order Number
 - Name of Article
 - Quantity
 - Name of bidder(s) awarded a Contract
26. Cartons shall be labeled with purchase order number, name of bidder(s) awarded a Contract and general statement of contents. Failure to comply with these conditions shall be considered sufficient reason for refusal to accept the goods.
27. No travel time will be paid. Travel time shall not be included in the prices bid. Payments will be made only for time on the job. All invoices must be accomplished by submission of detailed daily service tickets specifying time of arrival and departure and services rendered. The ticket shall be signed by an authorized representative of the School District. A copy of this ticket will be left with the signer. This service ticket shall be the basis for payment. Certified payroll records also must accompany any invoice submitted.
28. The School District will issue work orders directly to the bidder(s) awarded a Contract through our online Computerized Maintenance Management system. The bidder(s) awarded a Contract will be notified by the online system that they have a work order pending and it will be their responsibility to access and monitor the system for the work order(s) assigned to them. The bidder(s) awarded a Contract is to enter labor hours/costs and material costs associated with performing the requested service and change the work order status from "Work in Progress" to "Complete" once the work is completed. A copy of the completed work order form MUST accompany invoice.
29. Invoices must be submitted within 30 days of service. Payment will be made only after correct presentation of claim forms and/or invoices with required supporting documentation. They should include:
 - Invoice must reference purchase order #

- Breakdown of labor, unit costs and material costs, as awarded. **All bidder(s) awarded a Contract are requested to pro-rate the awarded labor rates for purposes of billing ¼ and ½ hour increments where needed. The hours of the authorized work ticket must match those invoiced.**
 - Copy of vendor generated service ticket signed by School District employee for related invoice
 - Certified payroll
 - Supporting documentation for parts, etc.
30. Payments of any claim shall not preclude the School District from making a claim for adjustment on any item found not to have been in accordance with the Bid Documents, including but not limited to these Specifications and the Technical Specifications.
31. No vehicle use will be paid in the normal course of transporting mechanics and materials to the job site. Bidders may submit a quotation for use of special vehicles. Bidder(s) awarded a Contract must obtain prior written approval from the School District for payment of special vehicle use.
32. The bidder(s) awarded a Contract shall pay its employees “prevailing rate of wage” as defined in Section 220 of the New York Labor Law, Schedule of Wage Rates. Prevailing wage rates are subject to change annually on July 1st. Bidder(s) awarded a Contract is responsible to meet the wages as posted by NYSDOL July 1st every year.
33. The bidder(s) awarded a Contract is to comply with all Federal, State and Local regulations relating to certification and licensure, labor, such as minimum hour wage, working conditions, insurance and safety factors in cases where installation of equipment is involved.
34. In accordance with Section 220-e of the Labor Law of the State of New York, it is agreed that:
- a. In the hiring of employees for the performance of the awarded contract(s) or any subcontractor hereunder, no contractor, subcontractor, nor any person acting on behalf of such contractor or sub-contractor shall by reason of race, creed, color, disability, sex or national origin discriminate against any citizen of the State of New York who is qualified and available to perform the work to which the employment relates. No contractor, subcontractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee hired for the performance of work under the awarded contract(s) on account of race, color, creed, disability, sex or national origin.
 - b. There may be deducted from the amount payable to the bidder(s) awarded a Contract a penalty of fifty dollars for each person for each calendar day during which such person was discriminated against or intimidated in violation of the provisions of the Contract.
 - c. The awarded Contract(s) may be cancelled or terminated by the Board of Education and all monies due or to become due hereunder may be forfeited for a second or any subsequent violation of the terms or conditions of this section.

d. The aforesaid provisions of this section shall be limited to operations performed within the territorial limits of the State of New York.

35. The bidder(s) awarded a Contract shall comply with all of the provisions of the Immigration Reform and Control Act of 1986 and regulations promulgated pursuant thereto and shall require its subcontractors to comply with same. The bidder(s) awarded a Contract shall and does hereby agree to fully indemnify, protect, defend, and hold harmless the School District, its Board of Education, officers, agents and employees from and against any penalties, fees, costs, liabilities, suits, claims, or expenses of any kind or nature, including reasonable attorney's fees, arising out of or resulting from any violation or alleged violation of the provisions of said laws in connection with the work performed hereunder.
36. Bidders shall be licensed by the County of Westchester and local municipalities, where required.
37. All work must be performed and installed in accordance with the current edition of all applicable laws, rules, regulations and/or local codes.
38. The School District reserves the right to assign its personnel to assist the mechanics of the bidder(s) awarded a Contract if the School District deems such assistance to be in its best interest.
39. The bidder(s) awarded a Contract shall furnish performance and labor and material payment bonds equal to 100% of the awarded Contract to guarantee the faithful performance of such Contract. If this is a time and material bid, please see Technical Specifications for how to determine the amount of the bonds. Such bonds shall be maintained in full force and effect until at least two (2) years after the awarded Contract has been fully performed. The bidder(s) awarded a Contract shall furnish a performance bond and labor and material payment bond meeting all statutory requirements of the State of New York. All Surety companies are subject to the approval of the School District and may be rejected by the School District without cause. Except as otherwise required by statute, the form and substance of such bonds shall be satisfactory to the School District in the School District's sole judgment. The bonds shall be executed by a responsible surety licensed to do business in New York with an A.M. Best Rating of "A-" or better as to Policy Holder Ratings, and "IX" or better as to "Financial Size Category." The bonds shall further be executed by a surety that is currently listed on the U.S. Treasury Department Circular 570 entitled "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies," as amended. The performance bond and the labor and material payment bond shall each be in an amount equal to 100% of the Contract Sum. Every Bond must display the Surety's Bond Number and be accompanied by an original Power of Attorney, giving the names of Attorneys-in-fact, and the extent of their bonding capacity. A rider including the following provisions shall be attached to each Bond: (1) Surety hereby agrees that it consents to and waives notice of any addition, alteration, omission, change, or other modification of the Contract Documents. Such addition, alteration, change, extension of time, or other modification of the Contract Documents, or a

forbearance on the part of either the School District or the bidder(s) awarded a Contract to the other, shall not release the Surety of its obligations hereunder and notice to the Surety of such matters is hereby waived. (2) Surety further agrees that in event of any default by the School District in the performance of the School District's obligations to the bidder(s) awarded a Contract under the awarded Contract, such bidder or Surety shall cause written notice of such default (specifying said default in detail) to be given to the School District, and the School District shall have thirty (30) days from time after receipt of such notice within which to cure such default, or such additional reasonable period of time as may be required if the nature of such default is such that it cannot be cured within thirty (30) days. Such Notice of Default shall be sent by certified or registered U.S. Mail, return receipt requested, first class postage prepaid, to bidder(s) awarded a Contract and the School District. The bidder(s) awarded a Contract shall deliver the required bonds to the School District prior to beginning work at the site, but no later than seven (7) days after receiving notice of the acceptance all or part of bidder's bid. Said bonds shall be in the form of AIA Form A312 2010.

40. The School District may, in the School District's sole discretion and without prior notice to the bidder(s) awarded a Contract, inform the surety of the progress of the such bidder's work and obtain consents as necessary to protect the School District's rights, interest, privileges and benefits under and pursuant to any bond issued in connection with such bidder's work.
41. If the surety on any Bond furnished by the bidder(s) awarded a Contract is declared a bankrupt or becomes insolvent or its right to do business is terminated in New York or it ceases to meet the requirements of paragraph 39, the bidder shall within ten (10) days thereafter substitute another Performance and Payment Bond and surety, both of which must be acceptable to the School District.
42. The bonds shall be furnished to the School District prior to beginning work at the site, but no later than seven (7) days after receiving notice of the acceptance all or part of bidder's bid. Failure to meet this requirement may result in termination of the awarded Contract at the sole discretion of the School District.
43. The bidder(s) awarded a Contract shall purchase and maintain the types and amounts of insurance set forth in Appendix "A" in accordance with the requirements also set forth in Appendix "A" to protect the School District against claims arising from or related to the operations of the bidder(s) awarded a Contract and its subcontractors approved by the School District.

The bidder(s) awarded a Contract shall pay all deductibles incurred by the School District as a result of the negligence of the bidder. Coverages, whether written on an occurrence or claims-made basis, shall be maintained without interruption from the date of commencement of the Work until the date of final payment and termination of any coverage required to be maintained after final payment.

The bidder(s) awarded a Contract shall require all subcontractors to carry similar insurance coverages and limits of liability as set forth in Appendix A and submit same to

the School District for approval prior to start of any work. In the event such bidder(s) fails to obtain the required certificates of insurance from the subcontractor and a claim is made or suffered, such bidder shall indemnify, defend, and hold harmless the School District, its Board of Education, officers, agents and/or employees from any and all claims for which the required insurance would have provided coverage. This indemnity obligation is in addition to any other indemnity obligation provided in the awarded Contract.

44. Enclosed with the bid submission, the bidder must include a letter from an insurance agent, broker, or carrier stating that no less than the minimum limits of insurance required in the Bid Documents will be met. The name of the insurance company that will provide the mandated insurance will be stated. The insurance carrier must be licensed to do business in New York State.
45. All insurance certificates shall state that the policy will not be canceled, nor coverage thereunder be reduced or limited without thirty (30) days prior written notice to the School District. It shall further state that a similar thirty (30) days prior written notice will be given to the School District prior to the expiration of the policy if renewal coverage is to be refused or such coverage is to be reduced on renewal. Such certificates shall show the name and address of the insured bidder(s) awarded a Contract, the policy number, the type of coverage, the inception and expiration dates, and it shall clearly state what, if any, coverages are excluded by endorsement or otherwise excepting such as appear in the standard printed policy itself. The School District reserves the right to make direct inquiry to the insurance carrier for an explanation of coverages and the bidders agree to assist in obtaining any such desired information.
46. The bidder(s) awarded a Contract shall hold harmless, defend and indemnify the School District from all claims for damages to property and bodily injury, including death, which may arise from operations under the awarded Contract(s), including but not limited to claims brought against the School District by third parties, employees of the School District, or employees of such bidder(s). The attached Hold Harmless Form must be signed, notarized and returned with the bid.
47. The bidder(s) awarded a Contract shall not be held responsible for any losses resulting if the fulfillment of the terms of the awarded Contract shall be delayed or prevented by wars, acts of public enemies, fires, floods, acts of God, or for any other acts not within the control of such bidder(s), except for strikes or labor unrest, and which by exercise of reasonable diligence it is unable to prevent.
48. All labor shall be guaranteed for the period of one (1) year from the date of acceptance. Unless provided otherwise in these Specifications or the Technical Specifications, all parts offered on this bid shall be guaranteed for a minimum of one (1) year from date of delivery (or installation if required) against defective material or workmanship, and repair or replacement shall be made without delay. In cases where the usual guarantee period offered by the bidder(s) awarded a Contract and/or manufacturer on a particular item covers a longer period of time than one (1) year, the longer guarantee period shall be applicable.

49. The bidder(s) awarded a Contract shall be responsible for complying with all laws, rules, regulations, codes and/or ordinances as they apply to the work required under such contract.
50. The bidder(s) awarded a Contract will perform the following work under the awarded contract as described in the Technical Specifications (**SEE PAGES 21 – 30**).
51. All bids submitted shall include all labor, equipment, materials, transportation and utensils necessary to perform the work requested by the White Plains City School District.
52. The bidder(s) awarded a Contract shall provide, for approval, a detailed drawing showing construction, hardware and method of installation.
53. Upon request by the School District, the bidder(s) awarded a Contract shall submit an estimate before starting work.
54. The awarded Contract(s) may be terminated by the School District upon not less than seven (7) days written notice should the bidder(s) awarded a Contract fail substantially to perform in accordance with the terms of the awarded contract through no fault of the School District. Said failures shall include but not be limited to: failure to supply sufficient skilled workers or suitable materials or equipment to complete the Work in a diligent, efficient, timely, workmanlike, skillful, and careful manner; failure to deliver within the time specified, or within a reasonable time as interpreted by the School District, or failure to make replacement of rejected articles, when so requested, immediately or as directed by the School District; in this event, the School District may purchase from other sources to take the place of the item rejected or not delivered at the expense of the bidder(s) awarded a Contract; refusal or failure to correct deficient work performed by it; failure to make prompt payments to subcontractors for labor, materials, and/or equipment in accordance with the respective agreements between the (s) awarded a Contract and its subcontractors; disregard of laws, ordinances, rules, regulations, or orders of a public authority having jurisdiction; disregard of the instructions of the School District (when such instructions are based on the requirements of the Contract Documents); bankruptcy or insolvency, or general assignment for the benefit of such bidder's creditors, or where a trustee or receiver is appointed for such bidder or for any of its property, or filing of a petition to take advantage of any debtor's act or to reorganize under bankruptcy or similar laws; breaches any warranty made by the such bidder under or pursuant to the Contract Documents; failure to furnish the School District with assurances of its ability to complete the work in compliance with all the requirements of the Contract Documents; or failure after commencement of the work to proceed continuously with the construction and completion of the work for more than ten (10) days, except as permitted under the Contract Documents; failure to keep the Project free from strikes, work stoppages, slowdowns, lockouts or other disruptive activity; or otherwise does not fully comply with the Contract Documents; violation of the provisions of Labor Law section 220-e as applied to the awarded contract(s) and set forth herein.

55. The bidder(s) awarded a Contract shall have three (3) days from notice of its breach to cure said breach. Upon failure to cure, the School District shall have the right to take over the work and complete the work at the expense of such bidder. In the event the awarded contract is terminated, the bidder shall be compensated for work performed to the date of such termination in accordance with the awarded contract.
56. The School District may at any time, at will and without cause, terminate any part of the work of the bidder(s) awarded a Contract or all of such bidder's remaining work for any reason whatsoever by giving fourteen (14) days' written notice to such bidder, specifying the portion of such bidder's work to be terminated and the effective date of termination.

Upon receipt of a notice of termination for convenience, the bidder(s) awarded a Contract shall immediately, in accordance with instruction from the School District, proceed with performance of the following duties regardless of delay in determining or adjusting amounts due under this paragraph:

- a. cease operation as specified in the notice;
- b. place no further orders and enter into no further subcontracts for materials, labor, services or facilities except as necessary to complete continued portions of the awarded Contract;
- c. terminate all subcontracts and orders to the extent they relate to the Work terminated;
- d. proceed to complete the performance of the remaining work on its awarded Contract which has not been so terminated; and
- e. take actions that may be necessary, or that the School District may direct, for the protection and preservation of the terminated Work.

TECHNICAL SPECIFICATION

TESTING, ADJUSTING, AND BALANCING FOR HVAC

SCOPE OF WORK – Provide skilled, certified labor, equipment and tools to measure and balance existing HVAC systems throughout the district's school building. Work is to include measures to make adjustments to equipment to balance systems.

1.1 SUMMARY

- A. Section Includes:
 - 1. Balancing Air Systems:
 - a. Constant-volume air systems.
 - b. Variable-air-volume systems.
 - 2. Balancing Hydronic Piping Systems:
 - a. Constant-flow hydronic systems.
 - b. Variable-flow hydronic systems.

1.2 DEFINITIONS

- A. AABC: the Associated Air Balance Council, a nonprofit association of certified, independent test and balance agencies.
- B. T&B: Testing, adjusting, and balancing
- C. T&B Agency: An independent entity certified by AABC to perform testing and balancing work
- D. TBE: AABC certified test and balance engineer
- E. TBT: AABC certified test and balance technician
- F. HVAC: Heating, ventilating, and air conditioning
- G. BAS: Building automation systems

1.3 SUBMITTALS

- A. Qualifications: Submit with bid qualifications and personnel, including a sample copy of the AABC National Performance Guaranty. If not submitted within the timeframe specified, the district has the right to reject bid of the T&B agency.
- B. Strategies and Procedures Plan: Within 15 days of Contractor's Notice to Proceed, submit T&B strategies and step-by-step procedures as specified in Section 3.2, "Preparation."
- C. Examination Report: Provide a summary report of the examination review required in Section 3.1, if issues are discovered that may preclude the proper testing and balancing of the systems.
- D. Certified T&B report: Within 14 days of completion of balancing work, submit AABC- certified T&B report.

1.4 QUALITY ASSURANCE

- A. Agency Qualifications: Engage an independent T&B agency certified by AABC
 - 1. Supervisor: Employee of the T&B agency who is certified by AABC as a TBE.
 - 2. Technician: Employee of the T&B agency who is certified by AABC as a TBT.

- B. TBE shall perform the following:
 1. Review field data reports to validate accuracy of data and to prepare certified T&B reports.
 2. Certify that the T&B team complied with the approved T&B plan and the procedures referenced in this Specification.
 3. Certify the T&B report.
- C. T&B Report Forms: Use approved forms submitted with the Strategies and Procedures Plan.
- D. Instrumentation Type, Quantity, Accuracy, and Calibration: As described in the *AABC National Standards for Total System Balance*.

1.5 DISTRICT'S RESPONSIBILITIES

- A. Provide T&B agency any previous balance reports and drawings available either in digital and/or hard copy formats
- B. Controls contractor shall provide required BAS hardware, software, personnel and assistance to T&B agency as required to balance the systems. Controls contractor shall also provide trending report to demonstrate that systems are complete.
- C. Provide access to all dampers, valves, test ports, nameplates and other appurtenances as required by T&B agency.
- D. Have the HVAC systems at complete operational readiness for T&B to begin. As a minimum verify the following:
 1. Airside:
 - a. All volume, smoke and fire dampers are open and functional.
 - b. Clean filters are installed.
 - c. All fans are operating, free of vibration, and rotating in correct direction.
 - d. VFD start-up is complete and all safeties are verified.
 2. Hydronics:
 - a. Piping is complete with all terminals installed.
 - b. Water treatment is complete.
 - c. Systems are flushed, filled and air purged.
 - d. Strainers are pulled and cleaned.
 - e. Control valves are functioning per the sequence of operation.
 - f. All shutoff and balance valves have been verified to be 100% open.
 - g. Pumps are started, and proper rotation is verified.
 - h. Pump gauge connections are installed directly at the pump inlet and outlet flange or in discharge and suction pipe prior to any valves or strainers.
 - i. VFD start-up is complete and all safeties have been verified.
 - j. System readiness checklists are completed and returned to T&B agency.
- E. Promptly correct deficiencies identified during T&B.
- F. Maintain a construction schedule that allows the T&B agency to complete work prior to occupancy.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. T&B Agency will review and comply with all district, local, state regulations, and policies related to working in a school environment.
- B. Systems that cannot be balanced while school is in session will be scheduled after school hours.
- C. District to provide T&B agency with area(s)/system(s) to be tested and balanced at each location. The T&B agency is to provide district with an overall total hourly estimate for service of each area/system.
- D. Examine the Contract Documents to become familiar with Project requirements and to discover conditions in systems' designs that may preclude proper T&B of systems and equipment.
- E. Examine systems for installed balancing devices, such as test ports, gage cocks, thermometer wells, flow-control devices, balancing valves and fittings, and manual volume dampers. Note the locations of devices that are not accessible for testing and balancing.
- F. Examine the approved submittals for HVAC systems and equipment.
- G. Examine ceiling plenums and underfloor air plenums used for supply, return, or relief air to verify that they are properly separated from adjacent areas.
- H. Examine equipment performance data including fan and pump curves.
- I. Examine HVAC equipment and verify that bearings are greased, belts are aligned and tight, clean permanent filters are installed, and controls are ready for operation.
- J. Examine terminal units, such as variable-air-volume boxes, and verify that they are accessible and their controls are connected, configured by the controls contractor and functioning.
- K. Examine strainers to verify that mechanical contractor has replaced startup screens with permanent screens and that all strainers have been cleaned.
- L. Examine two-way valves for proper installation and function.
- M. Examine three-way valves for proper installation for their intended function of diverting or mixing fluid flows.
- N. Examine heat-transfer coils for correct piping connections and for clean and straight fins.
- O. Examine air vents to verify that mechanical contractor has removed all air from all hydronic systems.

3.2 PREPARATION

- A. Prepare a T&B plan that includes:
 - 1. Equipment and systems to be tested.
 - 2. Strategies and step-by-step procedures for balancing the systems.
 - 3. Instrumentation to be used.
 - 4. Sample forms with specific identification for all equipment.
- B. Prepare system-readiness checklists, as described in the *AABC National*

Standards for Total System Balance, for use by district in verifying system readiness for T&B. These shall include, at a minimum:

1. Airside:
 - a. All ductwork is complete with all terminals installed.
 - b. All volume, smoke and fire dampers are open and functional.
 - c. Clean filters are installed.
 - d. All fans are operating, free of vibration, and rotating in correct direction.
 - e. VFD start-up is complete and all safeties are verified.
 - f. Automatic temperature-control systems are operational.
 - g. Ceilings are installed.
 - h. Windows and doors are installed.
 - i. Suitable access to balancing devices and equipment is provided.
2. Hydronics:
 - a. Piping is complete with all terminals installed.
 - b. Water treatment is complete.
 - c. Systems are flushed, filled and air purged.
 - d. Strainers are pulled and cleaned.
 - e. Control valves are functioning per the sequence of operation.
 - f. All shutoff and balance valves have been verified to be 100% open.
 - g. Pumps are started and proper rotation is verified.
 - h. Pump gauge connections are installed directly at the pump inlet and outlet flange or in discharge and suction pipe prior to any valves or strainers.
 - i. VFD start-up is complete and all safeties are verified.
 - j. Suitable access to balancing devices and equipment is provided.

3.3 GENERAL PROCEDURES FOR TESTING AND BALANCING

- A. Perform testing and balancing on each system according to the procedures contained in the latest version of the *AABC National Standards for Total System Balance* and in this Section.
- B. Mark equipment and balancing devices, including damper-control positions, valve position indicators, fan-speed-control levers, and similar controls and devices, with paint or other suitable, permanent identification material to show final settings.
- C. Take and report testing and balancing measurements in inch-pound (IP) units.

3.4 GENERAL PROCEDURES FOR BALANCING AIR SYSTEMS

- A. Prepare test reports for both fans and outlets. Obtain approved submittals and any manufacturer-recommended testing procedures. Crosscheck the summation of required outlet volumes with required fan volumes.
- B. Prepare a single-line schematic diagram of systems for the purpose of identifying HVAC components.
- C. For variable-air-volume systems, develop a plan to simulate diversity.
- D. Determine the best locations in main and branch ducts for accurate duct-

- airflow measurements.
- E. Locate start-stop and disconnect switches, electrical interlocks, and motor starters.
 - F. Verify that motor starters are equipped with properly sized thermal protection.
 - G. Check condensate drains for proper connections and functioning.
 - H. Check for proper sealing of air-handling-unit components.

3.5 PROCEDURES FOR CONSTANT-VOLUME AIR SYSTEMS

- A. Adjust fans to deliver total design airflows within the maximum allowable fan speed listed by fan manufacturer.
 - 1. Measure total airflow as follows:
 - a. Set outside air, return air and relief air dampers for proper position that simulates minimum outdoor air conditions.
 - b. Where duct conditions allow, measure airflow by Pitot-tube traverse. If necessary, perform multiple Pitot-tube traverses to obtain total airflow.
 - c. Where duct conditions are not suitable for Pitot-tube traverse measurements, a coil traverse may be acceptable.
 - d. If a reliable Pitot-tube traverse or coil traverse is not possible, measure airflow at terminals and calculate the total airflow.
 - 2. Measure fan static pressures as follows:
 - a. Measure static pressure directly at the fan outlet or through the flexible connection.
 - b. Measure static pressure directly at the fan inlet or through the flexible connection.
 - c. Measure static pressure across each component that makes up the air-handling system.
 - d. Report any artificial loading of filters at the time static pressures are measured.
 - 3. Do not make fan-speed adjustments that result in motor overload. Consult equipment manufacturers about fan-speed safety factors. Modulate dampers and measure fan-motor amperage to ensure that no overload will occur. Measure amperage in full-cooling, full-heating, economizer, and any other operating mode to determine the maximum required brake horsepower.
- B. Adjust volume dampers for main duct, sub-main ducts, and major branch ducts to indicated airflows.
 - 1. Measure airflow of sub-main and branch ducts.
 - 2. Adjust sub-main and branch duct volume dampers for specified airflow.
 - 3. Re-measure each sub-main and branch duct after all have been adjusted.
- C. Adjust air inlets and outlets for each space to indicated airflows.
 - 1. Set airflow patterns of adjustable outlets for proper distribution without drafts.
 - 2. Measure airflow at all inlets and outlets.
 - 3. Adjust each inlet and outlet for specified airflow.
 - 4. Re-measure each inlet and outlet after all have been adjusted.

- D. Verify final system conditions.
 - 1. Re-measure and confirm minimum outdoor air, return and relief airflows are within design. Readjust to design if necessary.
 - 2. Re-measure and confirm total airflow is within design.
 - 3. Re-measure all final fan operating data, rpms, volts, amps, static profile.
 - 4. Mark all final settings.
 - 5. Test system in economizer mode. Verify proper operation and adjust, if necessary. Measure and record all operating data.
 - 6. Record final fan-performance data.

3.6 PROCEDURES FOR VARIABLE-AIR-VOLUME SYSTEMS

- A. Adjust the variable-air-volume systems as follows:
 - 1. Verify that the system static pressure sensor is located 2/3 of the distance down the duct from the fan discharge.
 - 2. Verify that the system is under static pressure control.
 - 3. Select the terminal unit that is most critical to the supply-fan airflow. Measure inlet static pressure, and adjust system static pressure control setpoint so the entering static pressure for the critical terminal unit is not less than the sum of the terminal-unit manufacturer's recommended minimum inlet static pressure plus the static pressure needed to overcome terminal-unit discharge system losses.
 - 4. Calibrate and balance each terminal unit for maximum and minimum design airflow as follows:
 - a. Adjust controls so that terminal is calling for maximum airflow (note some controllers require starting with minimum airflow. Verify calibration procedure for specific project).
 - b. Measure airflow and adjust calibration factor as required for design maximum airflow. Record calibration factor.
 - c. When maximum airflow is correct, balance the air outlets downstream from terminal units.
 - d. Adjust controls so that terminal is calling for minimum airflow.
 - e. Measure airflow and adjust calibration factor as required for design minimum airflow. Record calibration factor. If no minimum calibration is available, note any deviation from design airflow.
 - 5. After all terminals have been calibrated and balanced, test and adjust system for total airflow. Adjust fans to deliver total design airflows within the maximum allowable fan speed listed by fan manufacturer.
 - a. Set outside air, return air and relief air dampers for proper position that simulates minimum outdoor air conditions.
 - b. Set terminals for maximum airflow. If system design includes diversity, adjust terminals for maximum and minimum airflow so that connected total matches fan selection and simulates actual load in the building.
 - c. Where duct conditions allow, measure airflow by Pitot-tube traverse. If necessary, perform multiple Pitot-tube traverses to obtain total airflow.
 - d. Where duct conditions are not suitable for Pitot-tube

- traverse measurements, a coil traverse may be acceptable.
- e. If a reliable Pitot-tube traverse or coil traverse is not possible, measure airflow at terminals and calculate the total airflow.
6. Measure fan static pressures as follows:
 - a. Measure static pressure directly at the fan outlet or through the flexible connection.
 - b. Measure static pressure directly at the fan inlet or through the flexible connection.
 - c. Measure static pressure across each component that makes up the air-handling system.
 - d. Report any artificial loading of filters at the time static pressures are measured.
 7. Set final return and outside airflow to the fan while operating at maximum return airflow and minimum outdoor airflow.
 - a. Balance the return-air ducts and inlets the same as described for constant-volume air systems.
 - b. Verify all terminal units are meeting design airflow under system maximum flow.
 8. Re-measure the inlet static pressure at the most critical terminal unit and adjust the system static pressure setpoint to the most energy-efficient setpoint to maintain the optimum system static pressure. Record setpoint and give to controls contractor.
 9. Verify final system conditions as follows:
 - a. Re-measure and confirm minimum outdoor air, return and relief airflows are within design. Readjust to design if necessary.
 - b. Re-measure and confirm total airflow is within design.
 - c. Re-measure all final fan operating data, rpms, volts, amps, static profile.
 - d. Mark all final settings.
 - e. Test system in economizer mode. Verify proper operation and adjust, if necessary. Measure and record all operating data.
 - f. Verify tracking between supply and return fans.
 10. Record final fan-performance data.

3.7 GENERAL PROCEDURES FOR HYDRONIC SYSTEMS

- A. Prepare test reports for pumps, coils and heat exchangers. Obtain approved submittals and any manufacturer-recommended testing procedures. Crosscheck the summation of required coil and heat exchanger gpm with pump design flow rate.
- B. Verify that hydronic systems are ready for testing and balancing:
 1. Check liquid level in expansion tank.
 2. Check that makeup water has adequate pressure to highest vent.
 3. Check that control valves are in their proper positions.
 4. Check that air has been purged from the system.
 5. Locate start-stop and disconnect switches, electrical interlocks, and motor starters.

6. Verify that motor starters are equipped with properly sized thermal protection.

3.8 PROCEDURES FOR CONSTANT-FLOW HYDRONIC SYSTEMS

- A. Adjust pumps to deliver total design gpm.
 1. Measure total water flow.
 - a. Position valves for full flow through coils.
 - b. Measure flow by main flow meter, if installed.
 - c. If main flow meter is not installed determine flow by pump total dynamic head (TDH) or exchanger pressure drop.
 2. Measure pump TDH as follows:
 - a. Measure discharge pressure directly at the pump outlet flange or in discharge pipe prior to any valves.
 - b. Measure inlet pressure directly at the pump inlet flange or in suction pipe prior to any valves or strainers
 - c. Convert pressure to head and correct for differences in gauge heights.
 - d. Verify pump impeller size by measuring the TDH with the discharge valve closed. Note the point on manufacturer's pump curve at zero flow and verify that the pump has the intended impeller size.
 - e. With all valves open, read pump TDH. Adjust pump discharge valve until design water flow is achieved.
 3. Monitor motor performance during procedures and do not operate motor in an overloaded condition.
- B. Adjust flow measuring devices installed in mains and branches to design water flows.
 1. Measure flow in main and branch pipes.
 2. Adjust main and branch balance valves for design flow.
 3. Re-measure each main and branch after all have been adjusted.
- C. Adjust flow measuring devices installed at terminals for each space to design water flows.
 1. Measure flow at all terminals.
 2. Adjust each terminal to design flow.
 3. Re-measure each terminal after all have been adjusted.
 4. Position control valves to bypass the coil and adjust the bypass valve to maintain design flow.
 5. Perform temperature tests after all flows have been balanced.
- D. For systems with pressure-independent valves at the terminals:
 1. Measure differential pressure and verify that it is within manufacturer's specified range.
 2. Perform temperature tests after all flows have been verified.
- E. For systems without pressure-independent valves or flow measuring devices at the terminals:
 1. Measure and balance coils by either coil pressure drop or temperature method.
 2. If balanced by coil pressure drop, perform temperature tests after all flows have been verified.
- F. Verify final system conditions as follows:

1. Re-measure and confirm that total water flow is within design.
 2. Re-measure all final pump operating data, TDH, volts, amps, static profile.
 3. Mark all final settings.
- G. Verify that all memory stops have been set.

3.9 PROCEDURES FOR VARIABLE-FLOW HYDRONIC SYSTEMS

- A. Adjust the variable-flow hydronic system as follows:
1. Verify that the differential pressure (DP) sensor is located per the contract documents.
 2. Determine if there is diversity in the system.
- B. For systems with no diversity:
1. Follow procedures outlined in section 3.8 for constant-flow hydronic systems.
 2. Prior to verifying final system conditions, determine the system DP setpoint.
 3. If the pump discharge valve was used to set total system flow with VFD at 60 Hz, at completion open discharge valve 100% and allow VFD to control system DP setpoint. Record pump data under both conditions.
 4. Mark all final settings and verify that all memory stops have been set.
- C. For systems with diversity:
1. Determine diversity factor.
 2. Simulate system diversity by closing required number of control valves, as approved by the design engineer.
 3. Follow procedures outlined in section 3.8 for constant flow hydronic systems.
 4. Open control valves that were shut. Close a sufficient number of control valves that were previously open to maintain diversity, and balance the terminals that were just opened.
 5. Prior to verifying final system conditions, determine the system DP setpoint.
 6. If the pump discharge valve was used to set total system flow with VFD at 60 Hz, at completion open discharge valve 100% and allow VFD to control system DP setpoint. Record pump data under both conditions.
 7. Mark all final settings and verify that all memory stops have been set.

3.10 TOLERANCES

- A. Set HVAC system's air flow rates and water flow rates within the following tolerances:
1. Supply, Return, and Exhaust Fans: Plus or minus 10 percent.
 2. Air Outlets and Inlets: Plus or minus 10 percent.
 3. Minimum Outside Air: Zero to plus 10 percent.
 4. Maintaining pressure relationships as designed shall have priority over the tolerances specified above.
 5. Heating-Water Flow Rate: Plus or minus 10 percent.
 6. Cooling-Water Flow Rate: Plus or minus 10 percent.

FINAL TEST & BALANCE REPORT

- A. The report shall be a complete record of the HVAC system performance, including conditions of operation, items outstanding, and any deviations found during the T&B process. The final report also provides a reference of actual operating conditions for the owner and/or operations personnel. All

measurements and test results that appear in the reports must be made on site and dated by the AABC technicians or test and balance engineers.

- B. The report must be organized by systems and shall include the following information as a minimum:
 - 1. Title Page
 - AABC Certified Company Name
 - Company Address
 - Company Telephone Number
 - Location
 - System
 - Date of Report
 - AABC Certification Statement
 - Name, Signature, and Certification Number of AABC TBE
 - 2. Table of Contents
 - 3. AABC National Performance Guaranty
 - 4. Report Summary
 - The summary shall include a list of items that do not meet design tolerances, with information that may be considered in resolving deficiencies.
 - 5. Instrument List
 - Type
 - Manufacturer
 - Model
 - Serial Number
 - Calibration Date
 - 6. T&B Data
 - Provide test data for specific systems and equipment as required by the most recent edition of the *AABC National Standards*.
 - 7. Three (3) hard copies and one (1) digital copy of the final test and balance report shall be sent directly to the Facilities department.
 - 8. T&B Agency is to provide daily service tickets with the employees' actual working hours on site and prevailing wage certifications as required.
 - 9. Invoice shall be adjusted from estimate reflect actual hours worked at district locations.
- C. Bid Sheet:
 - 1. Balancing Engineer Hourly Rate
 - 2. Balancing Technician Hourly Rate
 - 3. Balancing Engineering Hourly Overtime Rate
 - 3. Balancing Technician Hourly Overtime Rate

APPENDIX "A"

INSURANCE

- I. Notwithstanding any terms, conditions or provisions, in any other writing between the parties, the bidder(s) awarded a Contract hereby agrees to effectuate the naming of the School District as an additional insured on the bidder's insurance policies, with the exception of workers' compensation and errors and omissions insurance.
- II. The policy naming the White Plains City School District as an additional insured shall:
 - Be an insurance policy from an A.M. Best rated "secured" or better, New York State licensed insurer;
 - Provide for 30 days notice of cancellation;
 - The School District shall be listed as an additional insured by using endorsement CG 2010 11 85 or broader. **The certificate must state that this endorsement is being used. If another endorsement is used, a copy of the endorsement must be attached to the Certificate of Insurance;** and,
 - The certificate of insurance must describe the specific services provided by the bidder (e.g., roofing, carpentry, plumbing) that are covered by the commercial general liability policy and the umbrella policy.
 - At the School District's request, the bidder(s) awarded a Contract shall provide a copy of the declaration page of the liability and umbrella policies with a list of endorsements and forms. If so requested, the bidder(s) will provide a copy of the policy endorsements and forms.
 - If any or all components of the awarded contract have been approved and assigned to a subcontractor, the bidder(s) awarded a Contract is responsible to the School District to have the subcontractor provide the same insurance requirements as stipulated within this section, providing a Certificate of Insurance and a copy of the endorsement naming the White Plains City School District as an additional insured for the scope of the work assigned. All terms and conditions in Appendix "A", Insurance apply.
 - State that the coverage of the bidder(s) awarded a Contract shall be primary coverage for the School District, its Board of Education, officers, employees and volunteers.
- III. The bidder(s) awarded a Contract agrees to indemnify the White Plains City School District for any applicable deductibles.
- IV. Required Insurance:
 - **Commercial General Liability Insurance**
\$1,000,000 per occurrence/ \$2,000,000 aggregate.
 - **Automobile Liability**
\$1,000,000 combined single limit for owned, hired and borrowed and non-owned motor vehicles.
 - **Workers' Compensation**
Statutory Workers' Compensation, Disability Insurance and Employers' Liability Insurance for all employees. Proof of coverage must be on the approved specific form, as required by the New York State Workers' Compensation Board. ACORD certificates are not acceptable.

- **Errors and Omissions Liability Insurance**
\$2,000,000 per occurrence/ \$2,000,000 aggregate for the professional acts of the bidder(s) awarded a Contract performed under the awarded Contract for the School District. If written on a “claims-made” basis, the retroactive date must pre-date the inception of the awarded Contract. If the bidder(s) awarded a Contract is providing environmental services, the errors & omissions policy must be endorsed to include coverage for these services.
- V. The bidders acknowledge that, if awarded a Contract, failure to obtain such insurance on behalf of the School District constitutes a material breach of contract and subjects it to liability for damages, indemnification and all other legal remedies available to the School District. The bidder(s) awarded a Contract must provide the School District with a certificate of insurance, evidencing the above requirements have been met, prior to the commencement of work pursuant to the awarded Contract or use of the School District’s facilities.
- VI. The School District is a member/owner of the New York Schools Insurance Reciprocal (NYSIR). The bidder(s) awarded a Contract further acknowledges that the procurement of such insurance as required herein is intended to benefit not only the School District but also NYSIR, as the School District’s insurer.

BIDDER'S CHECKLIST

The following checklist is provided for the convenience of the bidders and is not part of the Contract Documents. Each bidder is encouraged to ensure its complete compliance with all requirements of the Bid Documents. Compliance with the Bid Documents is the sole responsibility of the bidder.

*Please make sure your bid submission includes
ALL of the following **REQUIRED** forms:*

	Letter from Insurance Agent (Specification 44, page 18)
	Company Information Sheet (page 34)
	Bid Forms, including Unit Pricing Sheets (pages 35-36)
	Form of Disclosure (page 37)
	Non-Collusive Certification Form (This form MUST be notarized) (page 38-39)
	Hold Harmless Agreement (This form MUST be notarized) (page 40)
	Iran Divestment Act of 2012 Certification Form (This form MUST be notarized) (page 41)
	Sexual Harassment Written Policy and Training Certification Form (This form MUST be notarized) (page 42)
	Bidder Not On Exclusion List Maintained By The Federal Government's System For Award Management (SAM) Certification Form (This form MUST be notarized) (page 43)
	References (page 44)
	Non-Bidders Response (Only if you are not submitting a bid) (page 45)

COMPANY INFORMATION SHEET

NAME OF COMPANY: _____
Please Print

ADDRESS: _____
Please Print

Please Print

FEDERAL E.I. # _____

PHONE NUMBER: _____ FAX NUMBER: _____

NAME OF BIDDER: _____
Please Print

TITLE OF BIDDER: _____
Please Print

EMAIL ADDRESS: _____
Please Print

DATE: _____

ACCOUNTS RECEIVABLE CONTACT

NAME: _____
Please Print

PHONE NUMBER: _____ FAX NUMBER: _____

EMAIL ADDRESS: _____
Please Print

SALES/SERVICE CONTACT (if different from bidder)

NAME: _____
Please Print

PHONE NUMBER: _____ CELL PHONE: _____

EMAIL ADDRESS _____
Please Print

BID #F2020-42: HVAC TESTING & BALANCE - DISTRICTWIDE

CHURCH STREET SCHOOL
 GEORGE WASHINGTON SCHOOL
 MAMARONECK AVENUE SCHOOL
 POST ROAD SCHOOL

RIDGEWAY SCHOOL
 HIGHLANDS MIDDLE SCHOOL
 EASTVIEW MIDDLE SCHOOL
 EDUCATION HOUSE

HIGH SCHOOL
 DAMMANN HOUSE
 ROCHAMBEAU SCHOOL
 FACILITIES BLDG

Name of Company: _____

Bids will be awarded to the bidder submitting the lowest responsible bid based upon labor hours presented in whole or in part, as in the best interest of the White Plains City School District.

BALANCING ENGINEERING RATES:

Regular Hours Weekdays (7:00 a.m. – 4:00 p.m.) \$ _____ per hour
 Overtime Hours Weekdays (4:01 p.m. – 6:59 p.m.) \$ _____ per hour
 Saturday Rate _____ (12:01 a.m. – 11:59 p.m.) \$ _____ per hour
 Sunday Rate _____ (12:01 a.m. – 11:59 p.m.) \$ _____ per hour
 Holiday Rate _____ (12:01 a.m. – 11:59 p.m.) \$ _____ per hour

BALANCING TECHNICIAN RATES:

Regular Hours Weekdays (7:00 a.m. – 4:00 p.m.) \$ _____ per hour
 Overtime Hours Weekdays (4:01 p.m. – 6:59 p.m.) \$ _____ per hour
 Saturday Rate _____ (12:01 a.m. – 11:59 p.m.) \$ _____ per hour
 Sunday Rate _____ (12:01 a.m. – 11:59 p.m.) \$ _____ per hour
 Holiday Rate _____ (12:01 a.m. – 11:59 p.m.) \$ _____ per hour

****EQUIPMENT /INSTRUMENTS ARE INCLUDED IN THE HOURLY RATE****

Cost related to above pricing shall include the labor, equipment, materials, transportation and utensils necessary to complete the work under the contract. All labor rates must be paid at the current prevailing wage rates. Prevailing Wage Rates are subject to change annually on July 1st. Awarded vendor is responsible to meet the wages as posted by NYSDOL July 1st every year.

Material Mark-up _____ %

(Represents the percent mark-up on the purchase of all material, supplies and equipment required to complete work outside of annual maintenance contract.)
****Please be advised that the School District does not guarantee any volume of work (labor/materials) to be required or requested during the life of the contract.**

**BIDDER CERTIFIES THAT THEY HAVE READ THE BID AND ARE FAMILIAR WITH ALL
REQUIREMENTS & SPECIFICATIONS**

Signature of Bidder: _____ Date: _____

NOTE:

An invoice for work completed will not be considered ready for payment unless accompanied by a valid certified payroll. All incomplete invoices will be returned unpaid. Certified payrolls must be submitted within 30 days of work (see pages 46 and 47 for samples). Invoices must clearly delineate labor (date and time when work was done, number of men, number of hours and hourly rate) and material, and not be lump sum quotes. *CERTIFIED PAYROLL MUST BE ATTACHED TO EACH INDIVIDUAL INVOICE SUBMITTED FOR PAYMENT. PURCHASE ORDER NUMBERS MUST BE ON ALL INVOICES.*

WHITE PLAINS CITY SCHOOL DISTRICT
5 HOMESIDE LANE
WHITE PLAINS, NEW YORK 10605

FORM OF DISCLOSURE

THE UNDERSIGNED AFFIRMS THAT THE FOLLOWING CONSTITUTE ALL OFFICERS, DIRECTORS, PARTNERS, OR CONTROLLING PRINCIPALS OF THE BIDDER (add additional sheets as needed to list all):

Name

Title

1. Does any White Plains City School District Board Member, administrator, or employee possess any financial interest, directly or indirectly, in the bidder?_____ If yes, set forth the basis upon which a financial interest exists in the bidder:

2. Has the bidder or any of its officers, directors, partners, or controlling principals possessed any interest in transactions heretofore entered into with the White Plains School District?_____ If yes, please describe transaction(s):

3. Does any direct relative of a member of the School District's Board of Education, an administrator, or a staff member possess any financial interest, directly or indirectly, in the bidder (For purpose of this inquiry a direct relative is to be defined as a parent, spouse, child or sibling)._____If yes, set forth below the White Plains City School District Board Member, administrator, or staff member whose relation possess an interest and the relationship:

THE UNDERSIGNED AFFIRMS THAT THE ABOVE STATEMENTS ARE TRUE AND UNDERSTANDS THAT ANY FALSE STATEMENT SHALL CONSTITUTE A VIOLATION OF THE PENAL CODE OR GENERAL MUNICIPAL LAW AS APPLICABLE.

Bidder: _____

Federal E.I. #: _____

Signature: _____

Print Name: _____

Title: _____

Date: _____

WHITE PLAINS CITY SCHOOL DISTRICT

NON-COLLUSIVE FORM
BID PROPOSAL CERTIFICATIONS
THIS FORM MUST BE SIGNED AND NOTORIZED

Bidder Name _____

Business Address _____

Telephone Number _____ Date of Bid _____

I. General Bid Certification

The bidder certifies that he will furnish, at the prices quoted, the materials, equipment and/or services as proposed in this Bid.

II. Non-Collusive Bidding Certification

By submission of this bid proposal, the bidder certifies that he/she is complying with Section 103-d of the New York State General Municipal Law as follows:

Every bid or proposal hereafter made to a political subdivision of the state or any public department, agency or official thereof where competitive bidding is required by statute, rule, regulation, or local law, for work or services performed or to be performed or goods sold or to be sold, shall contain the following statement subscribed by the bidder and affirmed by such bidder as true under the penalties of perjury:

Non-collusive bidding certification.

- a. By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief:
 1. The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
 2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and,
 3. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.
- b. A bid shall not be considered for award nor shall any award be made where (a) (1), (2) and (3) above have not been complied with; provided, however, that if in any case the bidder cannot make the foregoing certification, the bidder shall so state and shall furnish with the reasons therefore. Where (a) (1), (2) and (3) above have not been complied with, the bid shall not be considered for award nor

shall any award be made unless the head of the purchasing unit of the political subdivision, public department agency or official thereof to which the bid is made or his designee, determines that such disclosure was not made for the purpose of restricting competition.

The fact that a bidder (a) has published price lists, rates, or tariffs covering items being procured, (b) has informed prospective customers of proposed or pending publication of new or revised price lists for such items, or (c) has sold the same items to other customers at the same prices being bid, does not constitute, without more, a disclosure within the meaning of subparagraph one (a).

Any bid hereafter made to any political subdivision of the state or any public department, agency or official thereof by a corporate bidder for work or services performed or to be performed or goods sold or to be sold, where competitive bidding is required by statute, rule, regulation, or local law, and where such bid contains the certifications referred to in this form shall be deemed to have been authorized by the board of directors of the bidder, and such authorization shall be deemed to include the signing, and submission of the bid and the inclusion therein of the certificate as to non-collusion as the act and deed of corporation.

The bidder affirms the above statement as true under the penalties of perjury.

Signature of Bidder: _____
(Signature of bidder or authorized representative of a corporation)

Name and Title: _____

Sworn to before me this _____ day of _____, 2020

WHITE PLAINS CITY SCHOOL DISTRICT

HOLD HARMLESS AGREEMENT
THIS FORM MUST BE SIGNED AND NOTARIZED

It is hereby agreed and understood that the bidder agrees to hold harmless and indemnify the White Plains City School District, its Board of Education, officers, agents, servants, and employees from any lawsuit, action, proceeding, liability, judgment, claim, or demand which may arise out of:

Any injury to person or property sustained by the bidder, its owners, operators, officers, directors, agents, servants, or employees, or any person, firm, or corporation employed directly or indirectly by the bidder upon or in connection with the performance of the awarded contract.

However caused, any injury to person or property sustained by any person, firm, or corporation, caused by any act, default, error, or omission of the selected bidder, its owners, operators, officers, directors, agents, servants or employees or any person, firm, or corporation, directly or indirectly employed by the bidder upon or in connection with performance under the awarded contract.

The assumption or indemnity, liability, and loss hereunder shall survive bidder's completion of service or other performance hereunder and any termination of the awarded contract.

The bidder at its own expense and risk shall defend any such legal proceedings that may be brought against the School District, its Board of Education, officers, agents, servants, and/or employees on any claim or demand, and shall satisfy any judgment that may be rendered against the School District, its Board of Education, or any officers, agents, servants, or employees.

This indemnification, defense, and hold harmless agreement shall apply to any lawsuit, action, proceeding, liability, judgment, claim, or demand, of whatever name or nature, notwithstanding that bidder may deem the same to be frivolous or without merit. It is intended that this agreement be interpreted in the broadest manner possible so as to insulate all of the entities, parties, and individuals named above from any liability, cost, or judgment, monetary or otherwise, as the same may relate to the personnel and services provided by the bidder.

Subscribed and sworn to before me

this _____ day of _____, _____

(Person, Firm, or Corporation)

Notary Public

(Authorized Signature)

WHITE PLAINS CITY SCHOOL DISTRICT

IRAN DIVESTMENT ACT OF 2012 CERTIFICATION FORM
THIS FORM MUST BE SIGNED AND NOTARIZED

In order to be considered a responsible bidder, entities must certify that they are not on the list created and maintained by the State Office of General Services cataloging significant investment in the Iranian energy sector.

Entities that cannot make this certification may only be awarded the bid if:

1. The entity's investment activities in Iran were made before April 12, 2012; the investment activities in Iran have not been expanded or renewed after that date; and the entity has adopted, publicized, and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran; or
2. The White Plains City School District makes a determination, in writing that the goods or services are necessary for the School District to perform its functions and that, absent such an exemption, the School District would be unable to obtain the goods or services for which the contract is offered.

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint proposal each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to paragraph (b) of subdivision 3 of section 165-a of the New York State Finance Law.

Subscribed and sworn to before me

this _____ day of _____, _____

(Person, Firm, or Corporation)

Notary Public

(Authorized Signature)

Commission Expires _____

WHITE PLAINS CITY SCHOOL DISTRICT

SEXUAL HARASSMENT WRITTEN POLICY & TRAINING CERTIFICATION FORM

THIS FORM MUST BE SIGNED AND NOTARIZED

I, _____, being duly sworn, deposes and says that I am
(Name of Individual Signing this Certification)

the _____ of the _____
(Title/Position of Signer) (Name of Bidder)

and that by submission of this bid, I certify on behalf of the above-named bidder, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that the above-named bidder has and has implemented a written policy addressing sexual harassment prevention in the workplace and provides annual sexual harassment prevention training to all of its employees. Such policy, at a minimum, meets the requirements of Section 201-g of the New York State Labor Law.

Signature

Sworn to before me this
____ day of _____, 2020

Notary Public

WHITE PLAINS CITY SCHOOL DISTRICT

**BIDDER NOT ON EXCLUSION LIST MAINTAINED BY THE FEDERAL GOVERNMENT'S
SYSTEM FOR AWARD MANAGEMENT (SAM) CERTIFICATION FORM
THIS FORM MUST BE SIGNED AND NOTARIZED**

I, _____, being duly sworn, deposes and says that I am
(Name of Individual Signing this Certification)

the _____ of the _____
(Title/Position of Signer) (Name of Bidder)

and that by submission of this bid, I certify on behalf of the above-named bidder, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that the above-named bidder is not on the Exclusion List maintained by the U.S. Government's System for Award Management (SAM).

Signature

Sworn to before me this
____ day of _____, 2020

Notary Public

Portion of this form below this line is FOR OFFICE USE ONLY. Bidder only completes portion of the form above this line. The portion of this form below this line will be completed by White Plains City School District (WPCSD).

Print WPCSD Employee Name and Title: _____

Date reviewed U.S. Government's SAM's Exclusion List: _____

Bidder Name: _____

Check the one that applies:

- Bidder was NOT included on U.S. Government's SAM's Exclusion List
- Bidder was included on U.S. Government's SAM's Exclusion List

WPCSD Employee Signature: _____

WHITE PLAINS CITY SCHOOL DISTRICT

REFERENCES

Please provide references for three (3) clients. Work performed must be similar in size and scope to this bid.

Name: _____

Address: _____

Contact: _____ Telephone: _____

Name: _____

Address: _____

Contact: _____ Telephone: _____

Name: _____

Address: _____

Contact: _____ Telephone: _____

WHITE PLAINS CITY SCHOOL DISTRICT

NON-BIDDERS RESPONSE

Bid #F2020-42; HVAC TESTING & BALANCING-DISTRICTWIDE

The White Plains City School District is interested in the reasons why prospective bidders fail to submit bids. Failure to submit a bid without explanation may result in removal of your firm from our bidders' list. If you are NOT submitting a bid, please indicate the reason(s) by checking off one or more of the items below and return this form to us.

- Unable to bid at this time but would like to receive future bid proposals
 - Items or material not ___manufactured ___ distributed ___stocked ___furnished
 - Materials or items we have to offer do not fully meet all the requirements of standards specified
 - Multiplicity of delivery points
 - Delivery quantities are too small
 - We cannot meet the time of delivery of items or materials specified
 - Insufficient time allowed for preparation and submission of bid
 - Other reasons_____
-

You May remove our name from this bid list for:

- This Commodity Group
- This item of Material
- This Commodity Class
- All bids

Company

Authorized Signature

Address

Date

Name of signer

Title of Signer

U.S. Department of Labor
 Employment Standards Administration
 Wage and Hour Division

PAYROLL
 (For Contractor's Optional Use; See Instructions, Form WH-347 Inst.)
 Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number.



NAME OF CONTRACTOR OR SUBCONTRACTOR FOR WEEK ENDING _____ ADDRESS _____ PROJECT AND LOCATION _____
 PAYROLL NO. _____ PROJECT OR CONTRACT NO. _____
 OMB No. 1215-0149 Expires: 03/31/2003

(1) NAME, ADDRESS, AND SOCIAL SECURITY NUMBER OF EMPLOYEE	(2) NO. OF WITHHOLDING EXEMPTIONS	(3) WORK CLASSIFICATION	OT. OR ST.	(4) DAY AND DATE							(5) TOTAL HOURS	(6) RATE OF PAY	(7) GROSS AMOUNT EARNED	(8) DEDUCTIONS			(9) NET WAGES PAID FOR WEEK		
				HOURS WORKED EACH DAY										FICA	WITH- HOLDING TAX	OTHER		TOTAL DEDUCTIONS	
											0.00	/	\$0.00						\$0.00
											0.00	/	\$0.00						\$0.00
											0.00	/	\$0.00						\$0.00
											0.00	/	\$0.00						\$0.00
											0.00	/	\$0.00						\$0.00
											0.00	/	\$0.00						\$0.00
											0.00	/	\$0.00						\$0.00
											0.00	/	\$0.00						\$0.00
											0.00	/	\$0.00						\$0.00
											0.00	/	\$0.00						\$0.00

We estimate that it will take an average of 56 minutes to complete this collection of information, including time for reviewing instructions searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. If you have any comments regarding these estimates or any other aspect of this collection of information, including suggestions for reducing this burden, send them to the Administrator, Wage and Hour Division, ESA, U. S. Department of Labor, Room S3502, 200 Constitution Avenue, N.W., Washington, D. C. 20210.

Date _____

I, _____ (Name of Signatory Party) _____ (Title)

do hereby state:

(1) That I pay or supervise the payment of the persons employed by _____

(Contractor or Subcontractor)

on the _____

_____ (Building or Work) ; that during the payroll period commencing on the _____

_____ day of _____, and ending the _____ day of _____, all persons employed on said project have been paid the full weekly wages earned that no rebates have been or will be made either directly or indirectly to or on behalf of said _____

(Contractor or Subcontractor)

from the full _____

weekly wages earned by any person and that no deductions have been made either directly or indirectly from the full wages earned by any person, other than permissible deductions as defined in Regulations, Part 3 (29 CFR Subtitle A), issued by the Secretary of Labor under the Copeland Act, as amended (48 Stat. 948, 63 Stat. 108, 72 Stat. 967, 76 Stat. 357; 40 U.S.C. 276c), and described below:

(2) That any payrolls otherwise under this contract required to be submitted for the above period are correct and complete, that the wage rates for laborers or mechanics contained therein are not less than the applicable wage rates contained in any wage determination incorporated into the contract; that the classifications set forth therein for each laborer or mechanic conform with the work he performed.

(3) That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with a State apprenticeship agency recognized by the Bureau of Apprenticeship and Training, United States Department of Labor, or if no such recognized agency exists in a State, are registered with the Bureau of Apprenticeship and Training, United States Department of Labor.

(4) That:

(a) WHERE FRINGE BENEFITS ARE PAID TO APPROVED PLANS, FUNDS, OR PROGRAMS

— in addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits as listed in the contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in Section 4(c) below.

(b) WHERE FRINGE BENEFITS ARE PAID IN CASH

— Each laborer or mechanic listed in the above referenced payroll has been paid, as indicated on the payroll, an amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as listed in the contract, except as noted in Section 4(c) below.

(c) EXCEPTIONS

EXCEPTION (CHART)	EXPLANATION

REMARKS:

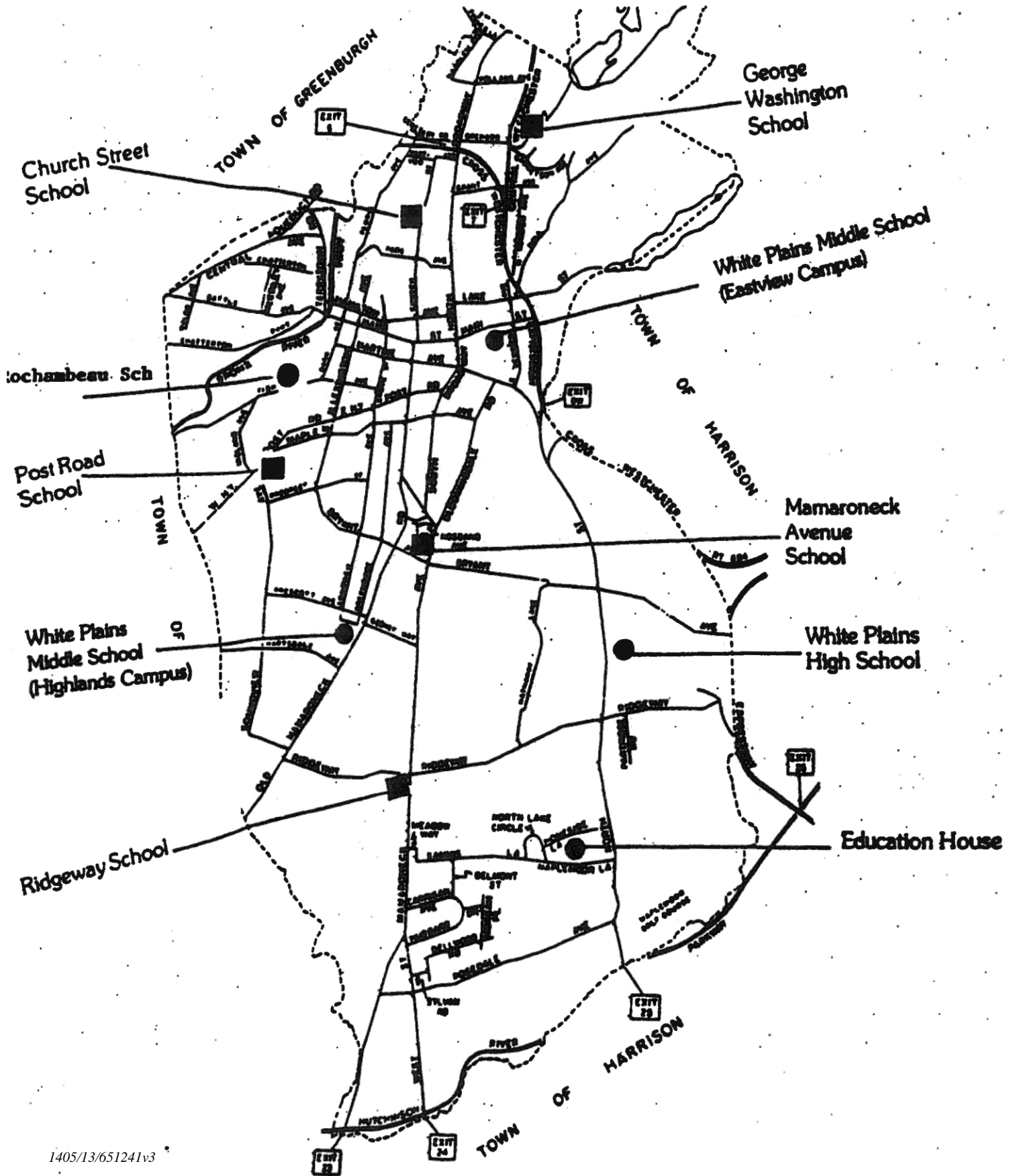
NAME AND TITLE	SIGNATURE

THE WILLFUL FALSIFICATION OF ANY OF THE ABOVE STATEMENTS MAY SUBJECT THE CONTRACTOR OR SUBCONTRACTOR TO CIVIL OR CRIMINAL PROSECUTION. SEE SECTION 1001 OF TITLE 18 AND SECTION 231 OF TITLE 31 OF THE UNITED STATES CODE

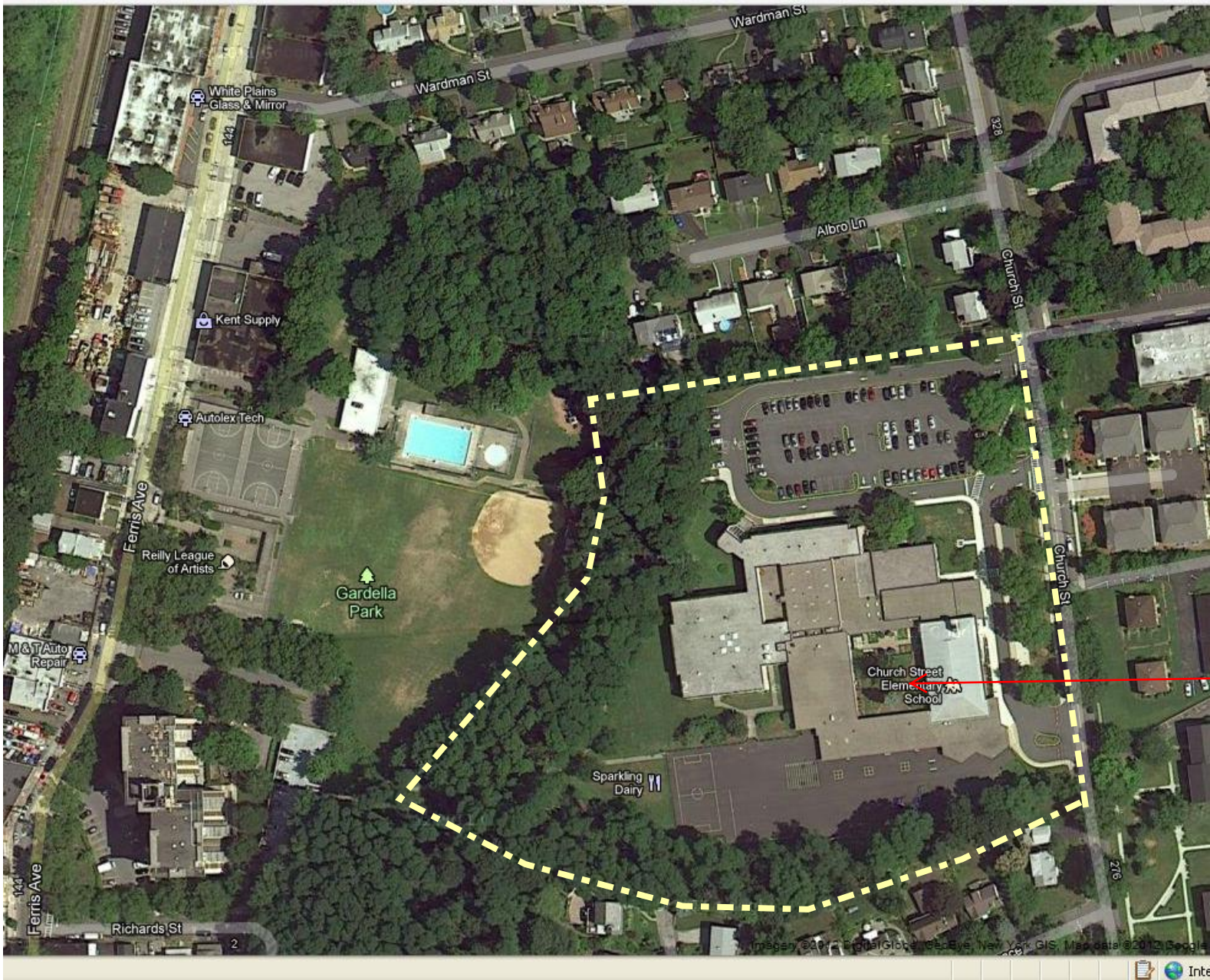
WHITE PLAINS CITY SCHOOL DISTRICT
5 Homeside Lane
White Plains, NY 10605

<u>Location</u>	<u>Custodian Name & Email</u>	<u>Office</u>	<u>Cell</u>
1. Church Street School 295 Church Street 10603	Rob Dell'Orletta robertdellorletta@wpcsd.us	422-2404	703-5090
2. George Washington School 100 Orchard Street 10604	Darrel Kidd darrelkidd@wpcsd.us	422-2387	406-6267
3. Mamaroneck Avenue School 7 Nosband Avenue 10605	William Corredor williamcorredor@wpcsd.us	422-2292	719-3035
4. Post Road School 175 W. Post Road 10606	Ajdin Meshaj ajdinmeshaj@wpcsd.us	422-2329	703-5092
5. Ridgeway School 225 Ridgeway 10605	Pedro Molina pedromolina@wpcsd.us	422-2085	329-6236
6. Highlands Middle School 128 Grandview Ave. 10605	Sergio Martinez sergiomartinez@wpcsd.us	422-2094	261-8524
7. Eastview School 350 Main Street 10601	Christian Reyes christianreyes@wpcsd.us	422-2416	406-6584
8. White Plains High School 550 North Street 10605	Rudy Rivera rodolfoforivera@wpcsd.us	422-2137	703-5089
9. Rochambeau School 228 Fisher Avenue 10606	TBD @wpcsd.us	422-2355	
10. Education House Administration Building 5 Homeside Lane 10605	Todd Farrison toddfarrison@wpcsd.us	422-2298	272-8290
11. Facilities Building 580 North Street 10605	Todd Farrison toddfarrison@wpcsd.us	422-2206	272-8290
12. Ralph Ave. Field	Sandro Sansotta sandrosansotta@wpcsd.us	422-2430	874-3574

WHITE PLAINS CITY SCHOOL DISTRICT

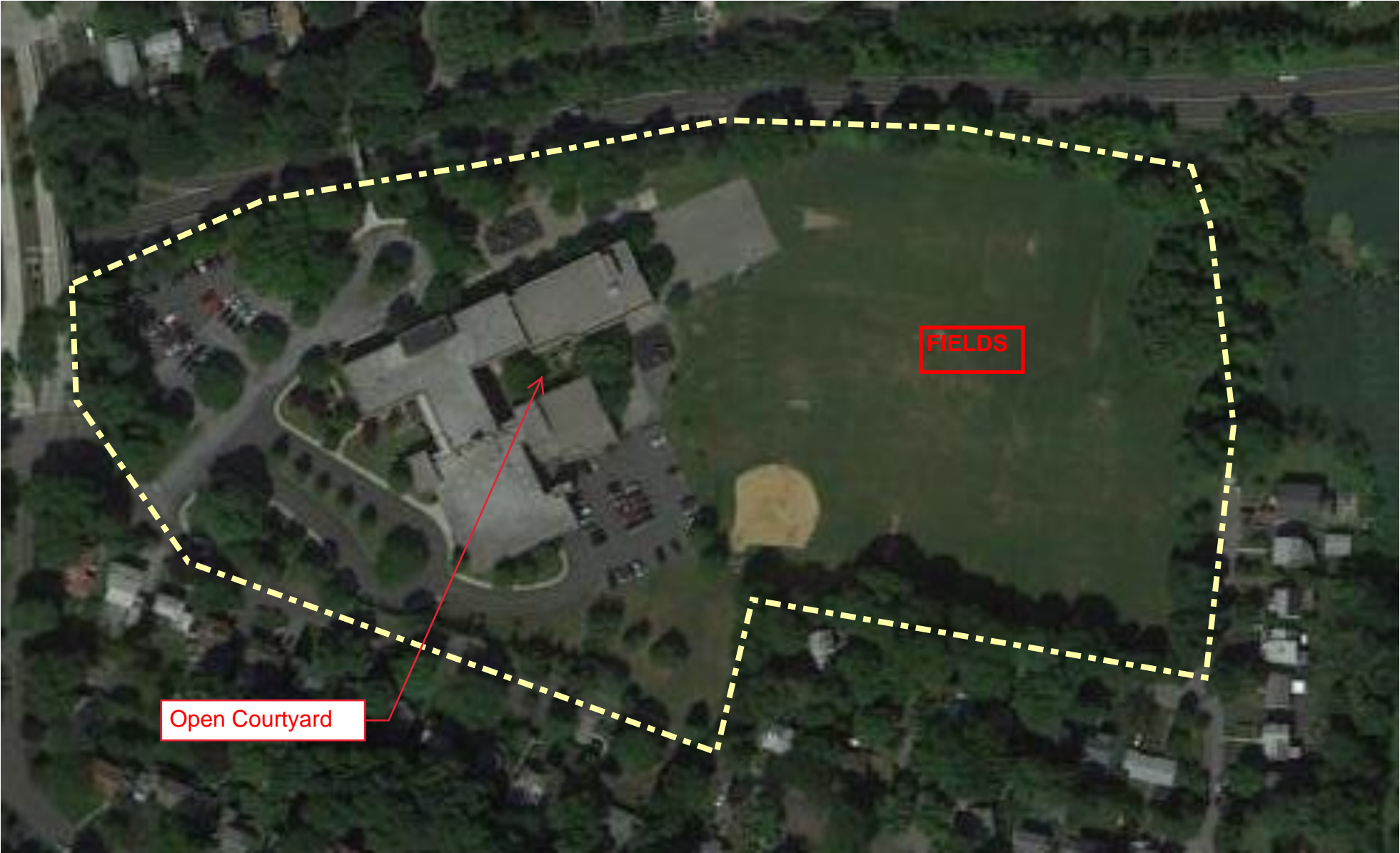


Church Street School
225 Church Street

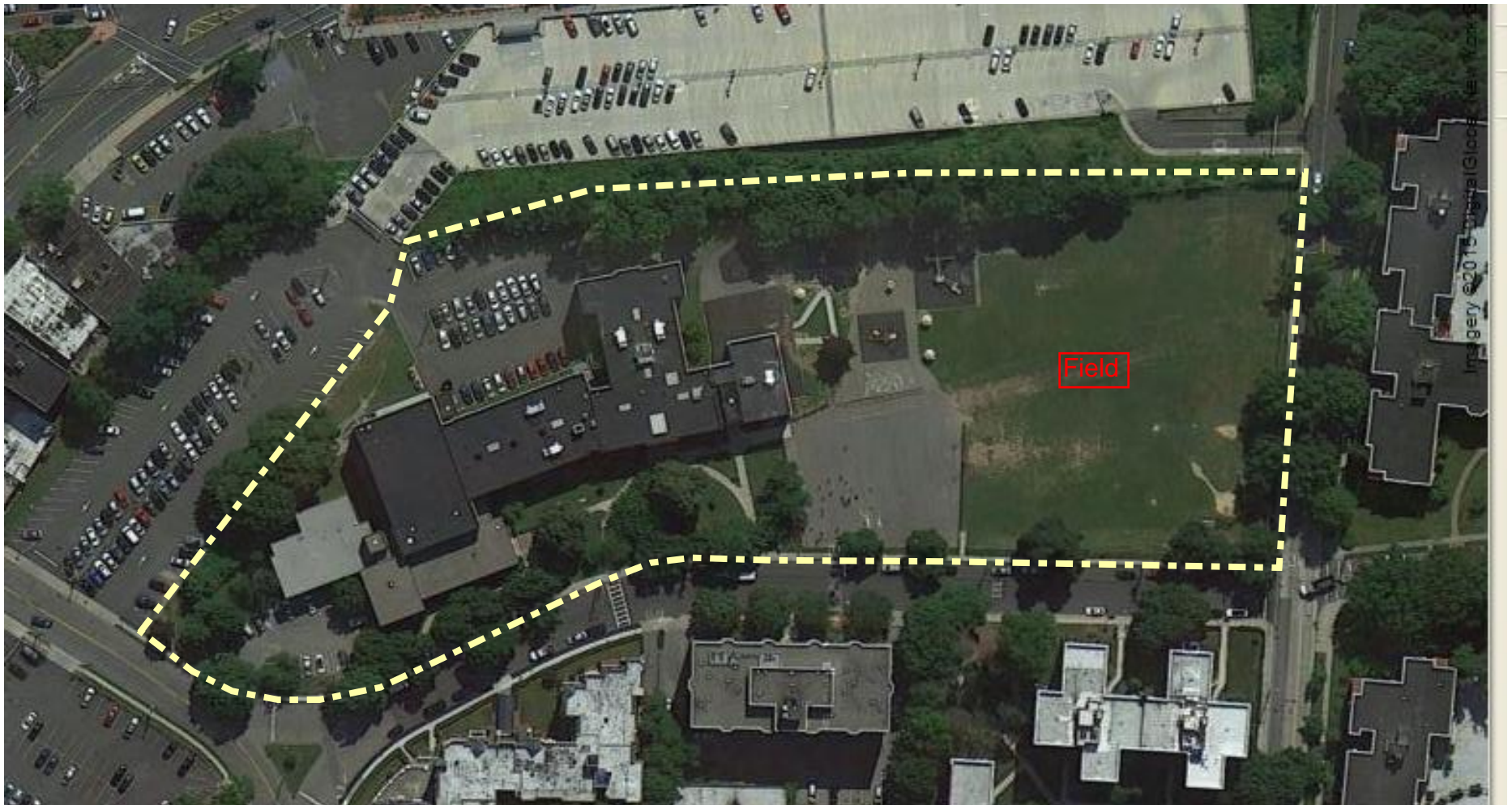


Courtyard

George Washington Elementary School
100 Orchard Street

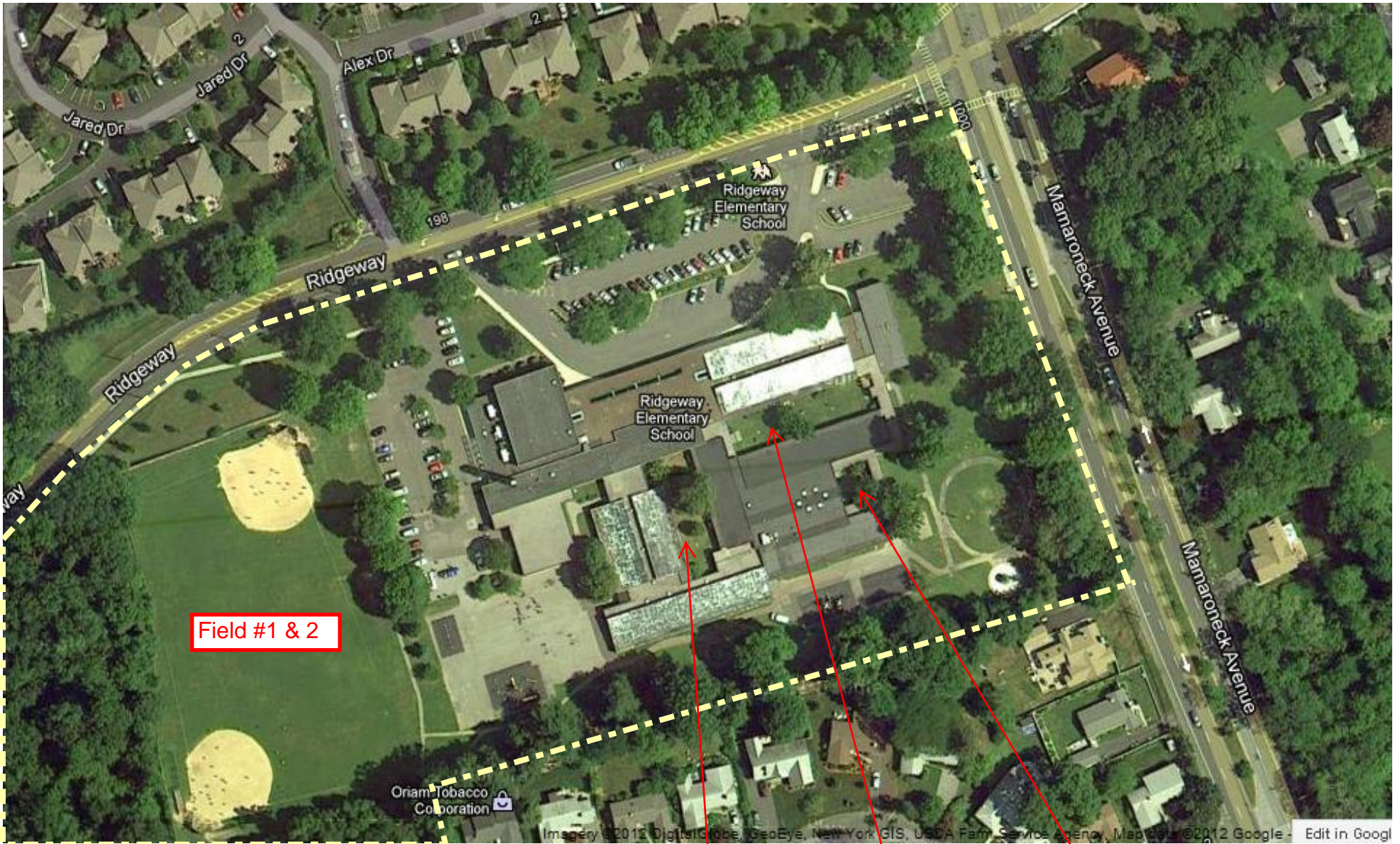


Mamaroneck Ave. Elementary School
7 Nosband Ave



Post Road Elementary School
175 West Post Road





Field #1 & 2

**White Plains City School District
Ridgeway Elementary School
225 Ridgeway**

**Court Yard
#1**

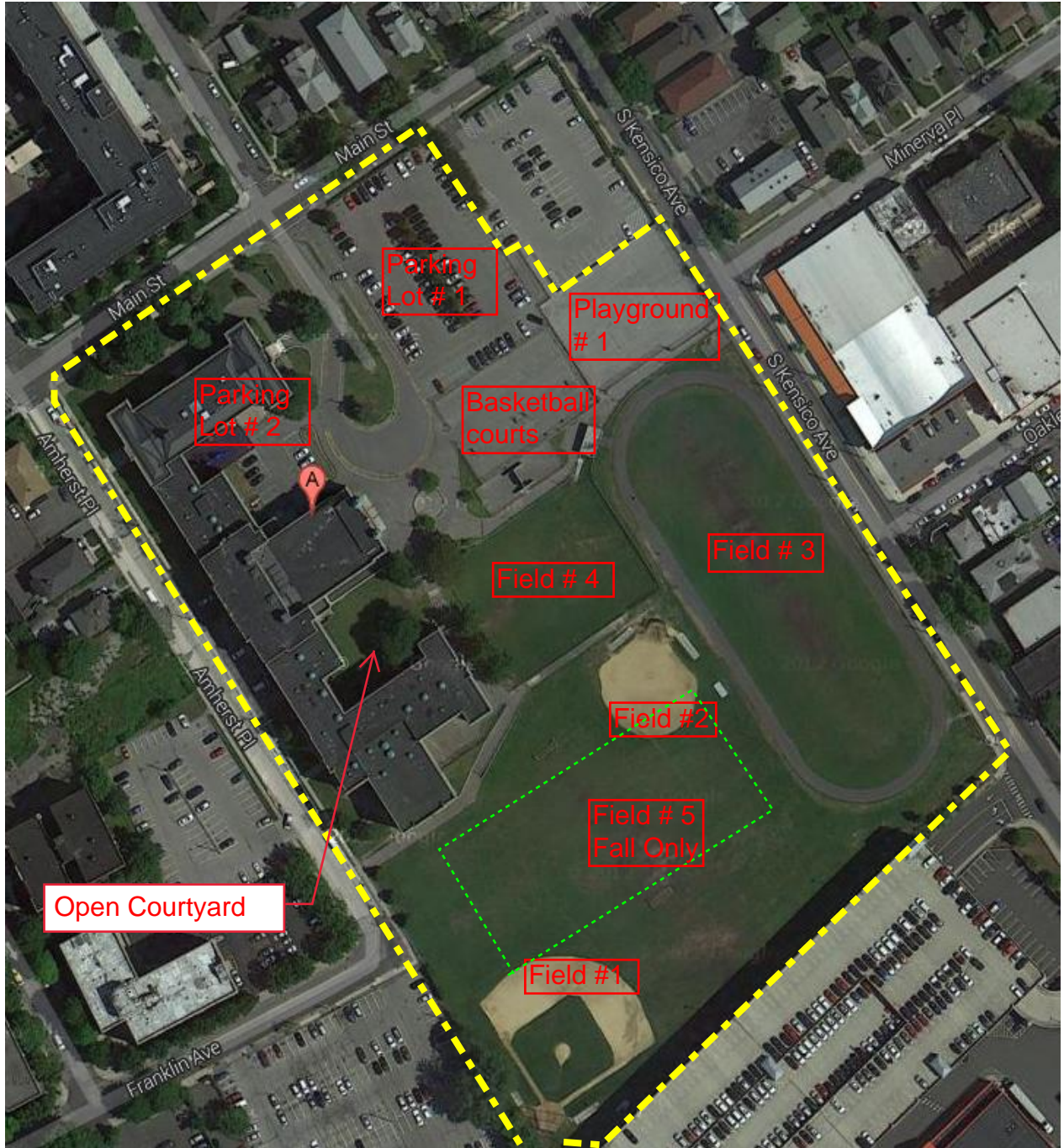
**Court Yard
#2**

**Court Yard
#3**

White Plains City School District, Highlands Middle School & Ralph Field



White Plains City School District
Eastview Middle School
Main Entrance: Main St
Deliveries: 7 Amherst Place





Student Entrance & Custodial Office

Field # 12

Field # 10

Field # 8

Field # 11

Field # 9

Field # 7

Field # 6

Field # 5

Field # 4

Field # 3

Field # 1

Field # 2

North Gym

Pool

Tennis Courts

Facilities Building
580 North Street

White Plains High School
550 North Street
Date: 12-19-2013

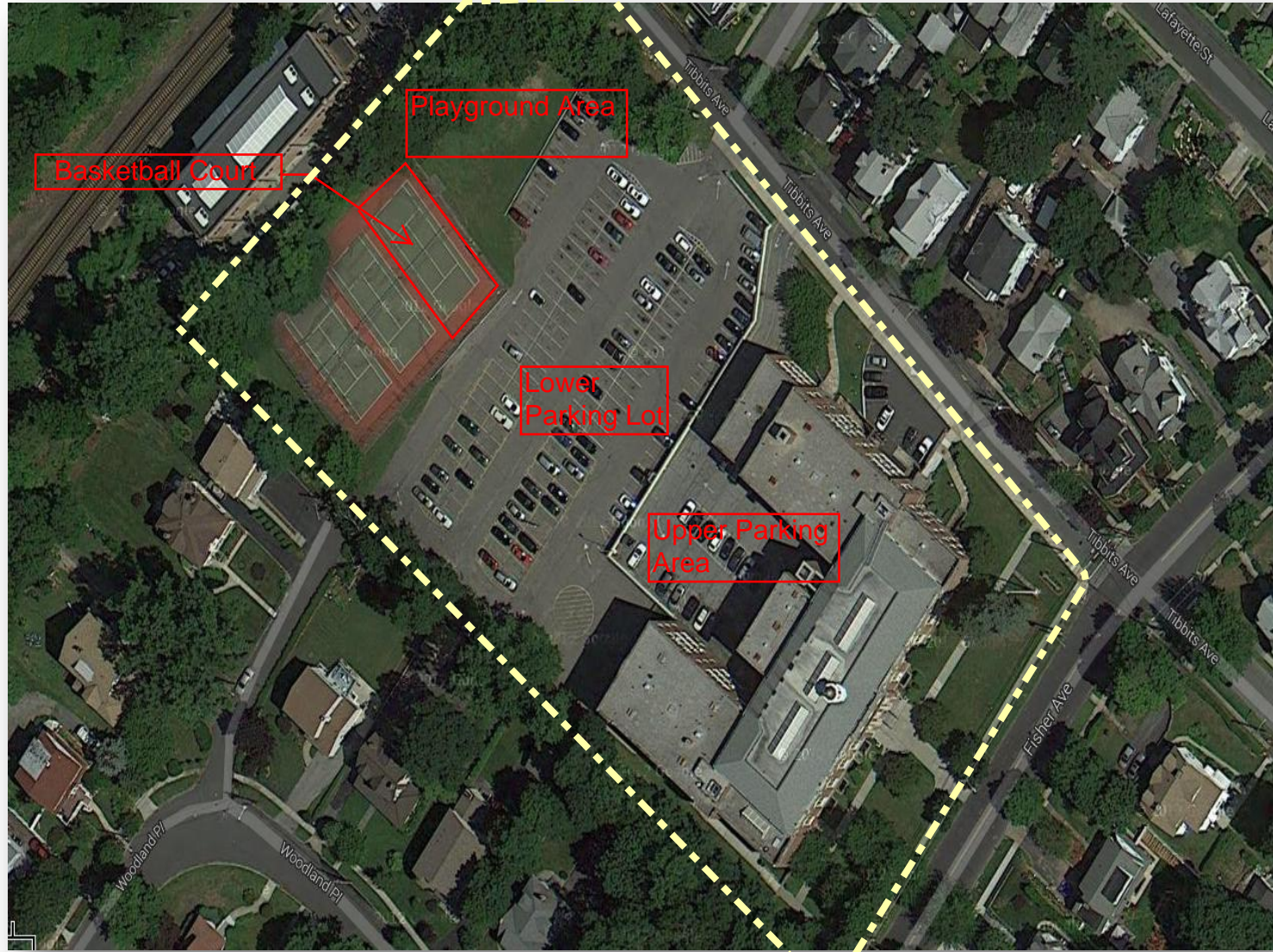
A Courtyard

G Courtyard

Senior Courtyard

B Courtyard

**Rochambeau School
228 Fisher Ave**



White Plains City School District
"Ed House"
5 Homeside Lane
White Plains, NY

