

Bid Addendum No. 1

August 21, 2023

Highland Central School District 2022 Capital Improvement Project – Phase 1

CSArch Project No. 197-2201

SED Control No. Varies

This Bid Addendum No. 1 forms part of the Contract Documents and modifies the original bidding documents dated August 18, 2023. Bid Addendum No. 1 consists of (1) cover sheet page and (2) specification sections.



Architect's Seal

GENERAL INFORMATION

1. Bid Addendum No. 1 was issued to bidders on August 21, 2023.

REVISIONS TO THE PROJECT MANUAL

1. **DELETE** original specification section 000110 – Table of Contents.
2. **ADD** attached revised specification section 000110 – Table of Contents.
3. **ADD** attached new specification section 011200 – Multiple Contract Summary

END OF BID ADDENDUM NO. 1

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SECTION 011200 MULTIPLE CONTRACT SUMMARY



PART 1 GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

Section include/reference:

1. Project information.
2. Work covered by Contract Documents.
3. Construction schedule.
4. Requirements and assignments for each Contract.
5. Owner-furnished products.
6. Access to site.
7. Coordination with occupants.
8. Work restrictions.

This Section includes a summary of each contract, including responsibilities for coordination and temporary facilities and controls.

Each Contractor is responsible to review all Drawings and Specifications for every contract to gain a complete understanding and knowledge of the entire Project, to determine how the work of each contract is to interface with every other contract.

1.3 DEFINITIONS

Project Identification: Project consists of all labor, materials, equipment, appliances, services, and incidentals necessary for layout, installing, and performing Additions and Alterations at the Highland Central School District (HCSD) as shown on the Contract Drawings and described in the Specifications. The Work on this Contract will be performed at multiple schools within the School District.

1. Phase 1 - The work consists of but not limited to the following:
 - a. Highland Elementary School located at Lockhart Ln Highland NY 12528
 - b. Highland Middle School located at 71 Main St, Highland NY 12528
 - c. Highland High School located at 320 Pancake Hollow Rd, Highland NY 12528
 - d. HCSD Bus Garage located at 320 Pancake Hollow Rd, Highland NY 12528
 - e. Architect Identification: The Contract Documents were prepared for the Project by Architect of Record, CSArch.
 - f. Construction Manager: The Palombo Group has been engaged as Construction Manager for this Project to serve as an advisor to Owner and to provide assistance in administering the Contract for Construction between Owner and Contractor, according to a separate contract between Owner and Construction Manager.
 - g. Building Code in Effect for Project: 2020 Building Code of New York State as adopted and the Energy Conservation Construction Code of New York State.
 - h. Comply with the following: New York State Energy Conservation Code and the building standards of the New York State Education Department.

1.4 THE CONTRACT

The Project will be constructed under a multiple prime contracting arrangement with the Owner awarding and holding the separate Contracts. Each contractor shall furnish all labor, material, tools, equipment, supervision, layout, delivery, trucking, shop drawings, submittals, closeout etc. necessary to complete the work described in the Division of Work of their respective Contracts and based upon a complete set of Contract Documents.

Each Contractor has been given the opportunity prior to bid to inspect the entire Project site for interferences to their Contract work and agrees to accept the site as it exists on the date of the bid opening.

1. It is the Owner's intention to continue to occupy the existing buildings and site for normal School operations during the Construction process. The Contractors all agree to:

- a. Cooperate with the Owner's personnel in maintaining and facilitating access to the School buildings and its facilities by the School staff, Students, Owner's agents, service consultants and the public, throughout the construction process.
- b. Keep driveways and entrances serving the occupied School buildings clear and available to the Owner, the Owner's employees, the public, and to emergency vehicles at all times. Do not obstruct access to, or use these areas for parking, staging of equipment or materials. All access through these existing areas must be coordinated in advance and in accordance with the Owner's usage and occupancy schedule.
- c. Schedule construction operations so as to minimize any conflicts or interruptions to the daily school functions. Coordinate any necessary interruptions with the designated project representative.
- d. All existing Owner occupied areas of buildings (not turned over to the Project Contractors) need to remain operational at all times. The contractors are responsible to maintain all systems, such as but not limited to: fire alarm, clocks, electric, public address system, gas service, heat etc.
 - a. District intends to occupy the HS during the summer for administration use as well as facility summer prep activities. Access shall be restricted per a coordinate plan from the Contractor.
 - b. District intends to relocate from the ES during the summer. Access shall provided on an as needed basis. Administrators shall return to the building August 19th.

Each Prime Contractor shall:

1. Provide field-engineering services, in addition to those provided by the General Work Prime Contract, to install site utilities included in the applicable Prime Contract.
2. Coordinate construction schedule information in order to formulate onemaster schedule for the entire Project. General Contract to organize, publish and update said schedule as direct by the CM, but no less than bi-monthly (twice per month).
3. Coordinate weekly construction schedules and activities. Every week

Prime is to submit to the CM and other Primes a detailed plan of activities in the field to include, but not be limited work planned, crew size, hours of work, deliveries, coordinated activities with others, Owner requested coordination needs. Prime Contractor to take responsibility for submitting this on account for all of their vendors and subcontractors.

4. Provide reflective vests and other necessary PPE to be worn by all on-site personnel at all times. Parties that do not abide by this requirement will be escorted off the premises.
5. Provide erosion and Sediment Control and dewatering as it relates to any excavation associated with its own Prime Contract.
6. Provide potable drinking water for its own employees.
7. Provide access to all concealed systems as required for system maintenance and repair for items installed in their Prime Contract. This specifically talks to access panels needed for future maintenance by the district.
8. Provide and maintain material lifting equipment required for the completion of their Contract requirements, and complying with NYS Labor Laws, OSHA Regulations, and other Federal, State, and local laws.
9. Provide and maintain additional temporary stairs, ladders, ramps, scaffolding, and platforms required specifically for completion of work of their own Contract, and as further detailed in this section. All work needs to comply with the NYS Labor Laws, OSHA regulation, and other Federal, State, and local laws.
10. Provide Fire Prevention materials and equipment for fire protection related to the work of their own Prime Contract. Provide fire extinguishers, fire blankets, and fire watch during all cutting and welding operations.
11. Provide any supplemental lighting required to install the work of its own Contract, beyond the minimum OSHA levels provided under the Electrical Work Prime Contract.
12. Provide any supplemental heat required to install the work of its own Contract, beyond the levels owed by the Mechanical Work Contractor.
13. Provide traffic control for deliveries, and equipment needed to perform the work of their own Prime Contract.
14. Provide protection of its own finished Work, after installation, until accepted by the Owner.
15. Provide fire caulking for any penetration related to the work for its

own Prime Contract.

16. Provide any office and storage trailers required to complete the work of their own Prime Contract.
17. Provide final cleaning of all surfaces and areas within the work areas to the satisfaction of the CM.
18. Project closeout requirements including As-Builts, Owner's Manual, Training ect.
19. Each Contractor shall review the facility asbestos report to become familiar with any materials that may contain asbestos. If the contractor encounters materials that have not been tested for asbestos, he shall cease work and contact the Construction Manager. The Contractor will be held responsible for clean-up costs if they continue to remove materials that have not been tested for asbestos.
20. Provide for a thorough final cleaning of the site, building, and equipment provided under their Prime Contract immediately before the final inspection. Each Prime Contractor is responsible for cleaning and dust and debris generated from the work of their own Contract.
 - a. Maintain areas in a cleaned condition until the Owner occupies the space.
 - b. Personnel: Experienced workman or professional cleaners approved by the Construction Manager.

1.5 SUMMARY OF WORK

The work will be constructed under multiple prime contracts. One set of contract documents is issued covering the multiple contracts. Each Prime Contract is defined as:

1. CONTRACT 1 HAZ - ABATEMENT OF HAZARDOUS MATERIALS
2. CONTRACT 2 GC – GENERAL CONSTRUCTION WORK
3. CONTRACT 3 MPC – MECHANICAL & PLUMBING CONSTRUCTION WORK
4. CONTRACT 4 EC - ELECTRICAL CONSTRUCTION WORK

1.6 WORK UNDER SEPARATE CONTRACTS

The project will be constructed under a multiple-prime contracting arrangement. One set of documents is issued covering all prime contracts scope of work. Each prime contractor is to review ALL drawings and specifications for complete understanding and knowledge of the work to be performed.

The following Contract Documents are specifically included and defined as integral to each Prime Contract.

1. Bidding Requirements
2. Performance and Payment Bonds
3. Conditions of the Contract, including
 - a. General Conditions & Supplementary Conditions
 - b. Insurance Requirements
 - c. NYS Prevailing Wage Rates

Extent of Contract: Unless the Contract Documents contain a more specific description of the Work, names and terminology on Drawings and in Specification Sections determine which contract includes a specific element of Project.

- a. Unless otherwise indicated, the Work described in this Section for each contract shall be complete systems and assemblies, including products, components, accessories, and installation required by the Contract Documents.
- b. Local custom and trade-union jurisdictional settlements do not control the scope of the Work of each contract. When a potential jurisdictional dispute or similar interruption of work is first identified or threatened, affected contractors shall negotiate a reasonable settlement to avoid or minimize interruption and delays.
- c. It is implied, unless otherwise noted, that any new work that has existing work in its place, the removal of the existing work is included in the scope of new work installer.
- d. All contractors are responsible for the removal and reinstallation of ceiling where work must be installed above a ceiling not scheduled for removal.
- e. Each Prime Contractor shall provide excavation, SOE, backfilling material, restoration ect for all scope of work within their Contract.
- f. Concrete Work of each contract shall be provided by each contract for its own Work, unless specifically assigned to another Contract.
- g. The General Construction Work Contract shall provide all cutting and patching, wall and floor trenching, ect associated with all Contracts. All patching/restoration is to be performed by mechanics qualified and experienced with the materials and finishes being patched. New openings requiring structural reinforcing will be the responsibility of the General construction contract. Core drilling, fire proofing ect. shall be by Prime Contractor. Layout to be performed by the Prime requiring the opening.

- h. Firestopping for the Work of each contract shall be provided by each contract for its own Work. Firestopping shall comply with Division 07 Section "Through Penetration Firestop Systems".
- i. Access doors not shown on Architectural drawings and required for access to junction boxes, valves and similar equipment for the Work of each contract shall be furnished by each contract for its own Work to the General Construction Contractor for installation.
- j. Lead Based Paint precautions for the Work of each contract shall be provided by each contract for its own Work. Each Prime Contractor shall provide procedures for OSHA Lead precautions.
- k. Each Prime Contractor shall designate a full time superintendent to supervise the work of the Prime Contractor, who shall always be present on the job site when work is being performed by their Contract; this person shall be familiar with Project and authorized to conclude matters relating to progress. This person shall also represent their company at weekly contractor meetings.
- l. Termination and removal of its temporary facilities shall be provided by each contract for its own Work.
- m. The Electrical Contractor Shall provide temporary power and lighting at the areas of work for all trades within the building, as required for the duration on construction.

Temporary Facilities and Controls: In addition to specific responsibilities for temporary facilities and controls indicated in this Section and in Division 1 Section 01 5000 "Temporary Facilities and Controls," each Contract is responsible for the following:

- a. Installation, operation, maintenance, and removal of each temporary facility usually considered as its own normal construction activity, and costs and use charges associated with each facility.
- b. Generators, plug-in electric power cords and extension cords, supplementary plug- in task lighting, and special lighting necessary exclusively for its own activities.
- c. Its own field office, complete with necessary furniture, and telephone service.
- d. Its own storage and fabrication sheds.
- e. Temporary heat for construction at isolated work areas.
- f. Its own dust protection to control dust where dust partition is not scheduled or shown on the drawings but are necessary to protect the building from dust contamination. This to included temp walls, zip walls, portion walls, as

- needed or as directed by the CM to contain dust.
- g. Temporary enclosures for its own construction activities.
 - h. Hoisting requirements for its own construction activities.
 - i. Staging and scaffolding for its own construction activities.
 - j. Collection and disposal of its own hazardous, dangerous, unsanitary, or other harmful waste material.
 - k. Daily clean-up and disposal is required by each Contractor for the periods which that Contractor is performing work on site. Dumpsters will be provided by the General Construction contract for use by the prime contractors, recycling of materials will be instituted daily. Each trade will assign at least one person to the weekly general clean-up. Any Contractor not providing personnel will be "back-charged" for labor provided by the Construction Manager. Progress cleaning of its own areas on a daily basis.
 - l. Secure lockup of its own tools, materials, and equipment.
 - m. Construction aids and miscellaneous services and facilities necessary exclusively for its own construction activities.
 - n. Temporary heat to protect to install and protect the work is place where scheduled temporary heat is not in place or not called for in the contract documents.
 - o. Safety procedures as dictated by the district, OSHA, and the NYS Department of Labor

Temporary Heating, Cooling, and Ventilation: The Mechanical Contractor is responsible for temporary heating, cooling, and ventilation before permanent enclosure of building is complete and/or when a system is removed or otherwise disabled. The General Construction Contract is responsible for temporary heating, cooling, and ventilation after permanent enclosure of building is complete and Owner will pay utility-use charges.

Temporary ventilation: Each Contractor to control fumes from their own construction operations including interior painting and "off gassing" of new finish materials.

Use Charges: Comply with the following:

- a. Water Service: Water service is available at no charge
- b. Electric Power Service: Electric Power service is available at no charge. Except when power shut down to the building occurs, the EC to provide temp power to facilitate the ongoing work of other trades.

Storage: Each Contractor shall coordinate with the Construction Manager for

locations of on-site storage for material, employee parking, material loading/loading ect. It is the intent of the Project to store approved delivered material on site. Any storage required for material, tools, and equipment outside the summer schedule is the responsibility of the Contractor. Example locations are proposed in a Project Staging Plan. Material available and not on site will not be a basis for delay.

1.7 OWNER SUPPLIED OR STATE CONTRACT SCOPE

1. The Procurement and Installation of the High School Lockers;

- a. Hazardous Abatement Contractor to remove all material adjacent to old lockers including disposal of lockers within the limits as shown in the documents. This to included blocking, supports, base ect, as required for the new installation.
- b. General Contractor shall prepare and install new base as required for acceptance of the new lockers. Contractor shall also include dunnage, support, bracing ect for the lockers to be supported/anchored to.
- c. Owner to provide and install lockers off of State Contract Agreement
- d. General Contractor shall furnish and install all adjacent walls, supports, ceilings and other work/finishes adjacent to the lockers for the final finish.
- e. General Contractor shall remove, reinstall, replace, modify ect as necessary, the ceiling tile/grid into the new walls.

2. The Procurement and Installation of the Bus Garage Lifts;

- a. General Contractor shall provide all excavation, demo and restoration, support of excavation and dewatering, concrete structural elements for the purpose of supporting the Lift Installer's system.
- b. Owner to provide and bus lift system off of State Contract Agreement
- c. Electrical contractor to include all necessary connections, disconnections, for the purpose of installing the new bus lift equipment. This to include, conduit, wire, breakers, terminations, ect to support the Lift Installer. Contractor shall review specifications for lift system and provided any/all electrical needs to support the Lift Installer for a full complete working system.
- d. Mechanical-Plumbing contractor to include all necessary connections, disconnections, for the purpose of installing the new bus lift equipment. This to include, pipe, drains, pumps, ect to support the Lift Installer. Contractor shall review specifications for lift system and provided any/all

electrical needs to support the Lift Installer for a full complete working system.

3. The District shall furnish and install final classroom waxing. General Contractor shall provide ample time for 3 coats plus cure time. General Contractor shall be responsible for coordination when waxing can occur in enough time to return the classrooms back to the District.
4. The District shall provide labor and protection to relocate and return classroom furniture during the summer weeks. Anything needed to be relocate during the school year will be by the General Contractor.
5. The District shall be responsible for re-installing cameras in the ceiling. The General Contractor and Electrical Contractor shall support the District's third party as needed by the vendor for the re-installation.

1.8 GENERAL CONSTRUCTION CONTRACT

Work in the General Construction Contract includes Architectural, Structural, Masonry, Roofing, Finishes, Blocking for Equipment, Sitework, plus other construction operations traditionally recognized as General Work Construction. This includes, but is not limited to, work shown on the following:

- a. Drawings:
 - a. All "title sheets, general notes, code compliance and Phasing Drawings" (General)
 - b. All "C" series Drawings (Civil)
 - c. All "S" series Drawings (Structural)
 - d. All "A" and "AD" series Drawings (Architectural)
 - e. All "G" "GEN", Drawings, as it pertains to Work of this Contract
 - f. Applicable information as shown on the "HAZ" "P" "PD" "E" "ED" drawings, unless noted otherwise. It also includes Administrative and coordination responsibilities.
 - g. All reference to other drawings from all other drawing listed above
- b. Coordination:
 - a. Coordination with their work with all of the other contractors.
 - b. Coordinate with State Contract scope of work, see section for details

- c. Demolition:
 - a. Removal of any existing curbing, stairs, bituminous paving, asphalt and sidewalks as shown or described as it relates to the scope shown or required to install new work
 - b. Removal of all underground utilities and/or equipment as shown or described as it relates to the scope shown
 - c. Removal and disposal of miscellaneous material and/or equipment, including equipment not shown if impacting work to be demolished.
 - d. Salvage, Storage, Protection and Repair work as needed as shown or described within the documents or discovered in the field as required to install new work
 - e. Removal of masonry walls, doors, and interior partitions as required for new work. General work contractor is responsible for shoring, demolition and protection of areas associated with new work.
 - f. Provide protection to all materials to remain intact.
 - g. Removal of finishes noted on plans or as needed to install new work including but not limited to flooring, ceilings, and misc. items attached to existing walls. Patch to match existing conditions.
 - h. Removal and disposal of miscellaneous material/items/equipment including all existing wall mounted specialty items, accessories and/or equipment not shown if impacting work to be demolished. Coordinate shutdown of water and/or electric with trades associated with the area of demolition. See demolition plans for additional demolition notes.
 - i. All cutting and patching necessary for work of this contract, including layout, sleeves, coring, debris removal, saw cuts of existing slabs/walls, patch/pinning or dowels, subfloor trenching, lintels, drywall work, plaster work, grouting, painting, ceiling removal and replacement, etc. This trade contractor will be responsible for other trades openings (cutting and infill). Coordinate with other trades for access and finish of their scope of work.

- j. Provide and install shoring bracing and underpinning related to the General Construction work; excavation and structural backfill for footing, foundations, trenches and ground openings
- d. Temporary Facilities
- a. Temporary facilities and controls that are not otherwise specifically assigned to the Mechanical Contract or Electrical Contract.
 - b. Sediment and erosion control.
 - c. Storm water control.
 - d. Unpiped temporary toilet fixtures, wash facilities, and drinking water facilities, including disposable supplies at each facility for the duration of the project
 - e. Temporary enclosure for building exterior, except as indicated.
 - f. Dewatering facilities and drains.
 - g. Excavation support and protection, unless required solely for the Work of another contract.
 - h. Special or unusual hoisting requirements for construction activities, including hoisting loads in excess of 2 tons, hoisting material or equipment into spaces below grade, and hoisting requirements outside building enclosure.
 - i. Project identification and temporary signs for construction
 - j. General waste disposal facilities including dumpsters for the project duration at each school for all trades. Specific Contracts to also carry general waste of their specific removed/demolished articles of work.
 - k. Pest control.
 - l. Temporary stairs.
 - m. Temporary fire-protection equipment.
 - n. Barricades, warning signs, and lights.
 - o. Site enclosure fence as directed
 - p. Covered walkways as shown
 - q. Security enclosure and lockup.
 - r. Environmental protection.
 - s. Dust mitigation/containment and control measures i.e. "zip walls", plastic may need to be required in classrooms, hallways, office, to protect unmoved equipment, furniture, finishes, as required and as directed.
 - t. Restoration of Owner's existing facilities used as temporary facilities.
 - u. Site restoration, topsoil seed and straw for damaged lawns due to temporary storage units

- v. Provide dust protection and temporary site/security fencing, reference phasing and logistics plan
 - w. Provide temporary roads/ access and continuous exits in and out of the construction area as shown. Provide stone entry pad at staging yard. Repair back to natural state when complete. Provide work as shown on the phasing and logistics plan.
 - x. Provide temporary access and continuous exits in and out of all construction areas
 - y. Provide frost protection during excavation; protect concrete slab and masonry from cold temperatures during and after pour.
 - z. Protect exterior wall and interior spaces when performing tie in work for new addition and any type of window wall replacements.
 - aa. Provide all temporary partitions, egress doors, and temporary egress parameters indicated by the CM inside and outside the building. Restore all areas to original condition upon completion. Review Logistics and Phasing Plans.
 - bb. Provide Temporary Facilities indicated as Work of this Contract in Division 01 Section 015000, "Temporary Facilities and Controls"
 - cc. Provide all temporary fall protection, guardrails, handrails, slab and roof openings protection, temporary stairs and ramps as required. Include maintaining these items throughout the project as well as removal when no longer needed.
 - dd. Provide Temporary storage for salvaged materials as indicated on the drawings until reinstallation of such materials.
- e. New Construction:
- a. The General Construction Work Contract shall perform all necessary trenching and excavation, backfilling, and compaction and field restoration required for all other primes. Include setting of precast material provided by other trades
 - b. Earthwork
 - I. GENERAL: All earthwork shall be confined to the construction area as shown on the plans, and shall be

- done in an approved manner with proper equipment. Earthwork shall be suspended during rain and inclement weather, or when unsatisfactory field conditions are encountered, unless otherwise directed by the AE and CM. At all times during construction, the CONTRACTOR shall maintain proper drainage in the construction area, and shall take all measures necessary for erosion and sediment control.
- II. Existing Utilities: CONTRACTOR shall take every precaution to protect existing utility services from damage during construction operations. If damage occurs, the OWNER of the utility shall be notified immediately, and repairs shall be made promptly at the CONTRACTOR'S expense. All repair work shall be satisfactory to the AE and CM and the OWNER of the utility. When interruptions of existing utilities occur, temporary service shall be provided as approved by the AE and CM and OWNER of the utility.
- c. Dressing Off: All cuts, fills and slopes shall be neatly dressed off to the required grade or subgrade, as indicated on the plans.
- I. Cleanup: Cleanup of the site shall be made upon completion of grading work or any major part thereof. Unless otherwise noted, excess or surplus material shall be wasted and dressed off on the site, or adjacent thereto, to the AE and CM'S satisfaction. Excess or surplus material wasted in off- site spoil areas shall be spread and leveled as directed.
 - II. Topsoil Placement: Topsoil shall consist of a natural friable loam, occurring usually in a surface layer 6 to 18 inches thick, and free of roots, grass, weeds, stone and other foreign matter. Topsoil may be obtained from the graded area, if available, and stockpiled for future use. Otherwise, the CONTRACTOR shall provide topsoil from other sources at his own expense. All topsoil shall be acceptable to the AE and CM. Topsoil shall be placed on the entire graded area as shown on the plans, or as directed by the AE and CM. Topsoil shall be distributed to a depth of 4 inches,

measured loose, and dressed off neatly to finish grade, with all debris removed. Topsoil shall receive final dressing of seed and mulch or straw and watered until germination.

- d. Provide temporary driveway, parking lot paving and drainage as required.
- e. Areas modified for construction/staging/etc.. to be placed back to its natural state once construction is complete by this trade.
- f. Provide all site signage as requested by the CM. Example; Gates, Hard hat area, No smoking, Construction personnel only, Exit signs, Etc..
- g. Contractor shall obtain and pay for any permits, inspections, or certifications from governing authorities having jurisdiction over the work to be performed, or over the finished product to be installed by this Contractor. Project Building Permit is by Owner
- h. The General Construction Contract is to provide rough opening in walls, floors, and roofs both inside and out, including lintels and any required structural framing for penetrations as part of this Contract. All lintels and/or framing are to be sized per the Architect.
- i. Provide all associated lintels at new or old openings as shown. Coordinate with mechanical trades. Removal and replacement of ceilings as required to perform work by this trade.
- j. Provide and install interior construction finishes, including partitions, doors-frames-hardware, thresholds, sills, signage, interior glazed openings, and fittings and all work required to install select work. Provide all steel required at new openings, coordinate with all Prime contracts. Power for electrified hardware to be provided by the Electrical Contractor.
- k. Provide and install, interior finishes such as rough carpentry finish carpentry, ceilings, architectural woodwork, filler panels. Built-in casework shall be by other. Salvage and re-install work as applicable.
- l. Provide repairs to masonry and concrete structures and openings. Patch to match exterior and interior finishes including work from other trades. Provide and install sitework restoration on disturbed areas, regardless of cause during construction of; asphalt, concrete, curb, topsoil, seed ect.

- m. Provide and install thermal and moisture protection as required
- n. Provide and install Purple (moisture resistant) gypsum wallboard in all wet areas and finishing for same.
- o. Provide and install finishes and subfloor prep requirements including polished concrete, terrazzo, tile flooring, resilient vinyl tile, ceramic tile, carpeting, base cove, painting, high performance coatings, grout, caulk, setting material, suspended acoustical and gypsum walls/ceilings, chassis ways/walls, grid/track/studs, insulation. Provide self-leveling underlayment and/or other surface prep as required by manufacturer to allow for acceptable flooring installation. Patch existing floor penetrations for installation of new work. This to include any moisture mitigation requirement by the flooring manufacturer due to site conditions.
- p. Include surface prep as required by the product manufacturer. Remove and re-install obstructions as needed for finish work installation.
- q. Provide all building signage, fire-protection specialties, visual display boards, as indicated or directed by CM.
- r. Provide temporary hard protection over finished products. Include maintenance and removal of protection. Contractor shall anticipate that all existing areas to receive new flooring shall require both light grinding and self leveling underlayment. Provide additional flash- patching where old walls were removed.
- s. Provide and install exterior facade repairs such as pointing, repointing cracks repairs, facade replacement, new lintels, lintel replacements, expansion joints, caulk. Include infills, removals, waterproofing, anchors ect as detailed
- t. Provide and install roofing scope as shown, including patching, coverings, flashings, roof specialties and glazed openings. The roofing shall be by the General Contractor, along with all necessary supports, waterproofing, manufacturer inspection ect.
- u. Provide and install all gutters, downspouts, supports and site drainage for a complete system
- v. Contractor shall demo, prep, repair, seal, chalk, paint all staircases within the back of the Middle School, as shown on the documents. This shall include replacing handrails and/or welding

and finishing existing if in good condition, adding/replacing sleeves via core for handrail installation.

- w. Contractor shall include all Sitework as shown, including removal and subgrade prep for finish work. Include scope for basketball court, all fencing, including fdn removal, gates. Basketball court scope includes painting and line striping.

f. Misc. Inclusions

- a. Contractor shall include prime coats, final painting, stone, brick, ceiling tile, gypsum, plaster, chalk, grout, floor tile ect. Paint entire patched wall, corner to corner. Color/Finish to be coordinated with Owner prior to commencing. "Patch" to match existing at the following conditions

- I. At all removed existing walls.
- II. At all new door openings cut through existing walls.
- III. At all new walls in existing construction.

g. Include (furnish, and install, unless noted otherwise):

- a. As indicated on the plans.
- b. Provide exterior and interior equipment and housekeeping pads, structural slabs ect including but not limited to including formwork, rebar, pins, sleeves, finishing, ect for completion of work
- c. Provide and install Bathroom finishes and accessories.
- d. Include in base bid to furnish and install the following access doors beyond those already shown on drawings:
- e. Provide within the Base Bid, furnish and install additional to the contract documents, 2,000 square feet of finished sheetrock and support, paint ect. at the direction of the CM. This work shall be used for Owner requested items, bulk heads, chase-ways, infills and excessive patch areas.
- f. Provide Professional cleaning prior to substantial completion including but not limited to, window washing, vacuuming of carpeting, and waxing of flooring. This shall be done with all trades complete. A Third Party vendor is required and must be submitted for approval. This work shall start August 1 to maintain summer schedule / turnover.

- g. Provide and Install Misc. access for work, as directed by the AE or CM;
 - I. Four 18" x 18" fire-rated access doors for gypsum wallboard
 - II. Four 18" x 18" fire-rated access doors for masonry construction.
 - III. Four 8" x 8" non-rated, primed steel, trimless, access doors for gypsum wallboard construction.
- h. General Requirements, including but not limited to, additional items specifically indicated as the Work of this Contract.

The Work of the General Construction Contract includes but is not limited to the Work that is specified in the Project Manual(s) and as shown on the drawings that form the contract plans. The Contractor is directed to examine all drawings since certain details and/or notes may appear anywhere therein that apply to his/her particular work. This prime contract is defined as, and includes, all Sections in the Divisions indicated by reference, and specific Sections noted:

- 1. Division 00 – Procurement and Contracting Requirements All Sections
- 2. Division 01 – General Requirements, All Sections, including Temporary Facilities
- 3. Division 02 – Existing Conditions - As applicable to work of this contract
- 4. Division 03 – "Concrete" All Sections
- 5. Division 05 - "Metals" All Sections
- 6. Division 06 - "WOOD, PLASTICS, AND COMPOSITES" All Sections
- 7. Division 07 – "THERMAL AND MOISTURE PROTECTION" All Sections
- 8. Division 08 – "OPENINGS" All Sections
- 9. Division 09 – "FINISHES" All Sections
- 10. Division 10 – "SPECIALTIES" Support as required for the installation by other
- 11. Division 14 – "Conveying Equipment" Support as required for the lift equipment installation by other
- 12. Division 31 – "Earth Work" - All Sections as applicable to work of this contract
- 13. Division 32 – "Exterior Improvements" - All Sections

1.9 ELECTRICAL CONTRACT

Work of the Electrical Contract includes a complete working system for system such as Electrical Distribution Service, Lighting, CATV systems, Communications, Fire Alarm, Intercom Systems, Security Systems, Emergency Lighting, and other systems traditionally recognized as Electrical work. This includes, but is not limited to, work shown on the following:

1. Drawings:

- a. All "title sheets, general notes, code compliance and Phasing Drawings" (General)
- b. All "E" and "ED" series drawings (Electrical)
- c. Applicable information shown on the "HAZ" "S" "C" "A" "AD" "P" "PD" drawings, unless noted otherwise. It also includes Administrative and coordination responsibilities.
- d. All "GEN" series Drawings, as it pertains to Work of this Contract
- e. All references to other drawings from drawings listed above.

2. Coordination:

- a. Coordination with the work with all of the other contractors.
- b. Coordinate with State Contract scope of work, see section for details

3. Demolition

- a. Provide demolition of all electrical equipment and conduit as shown and as required at the existing building. Included any work found abandoned in place or unused adjacent to work scope. Salvage, Store, Protection of equipment for reinstallation as indicated on the drawings.
- b. Coordinate with General Contractor for all cutting and patching necessary for work of this contract, however the Electrical Contract to include layout, sleeves, coring, debris removal, and etc. for scope associated with the Electrical system installation.
- c. Removal and disposal of miscellaneous equipment, including equipment not shown if impacting work to be demolished.
- d. Provide protection to all materials to remain intact
- e. Coordinate with the General, Plumbing and Mechanical Contractor for necessary shutdowns and disconnects. Remove and reinstall equipment, obstructions, ect as required for the installation of new work required by other Prime's scope.
- f. Removal of items as shown and/or required
- g. Removal and disconnections of electrical devices in walls, ceilings and

floors scheduled to be removed. Conduit to be labeled and capped, with wires pulled out to source.

4. Temporary Facilities

- a. Provide Temporary Facilities indicated as Work of this Contract in Division 01 Section 015000, "Temporary Facilities and Controls"
- b. Provide and install temporary power to abatement contractor's equipment as required up to the Abatement Contractor provided sub/supply panel
- c. During construction the need for a temporary full building generator will be required for either/or District infrastructure and Prime Contractor scope during the main and sub panel outages. Electrical Contractor shall carry within the Bid the cost for such, assume a 24hrs per day running rental, including transportation, installation, fuel, maintenance, servicing, extended hours charges ect. for the outage necessary to perform the service scope as described within the Contract. Include material for connections, including but not limited to temporary and permanent for this service. Other temporary power may need to be required due to phasing and logic's of other panel replacements. As contractor power/lighting will be required, the Electrical Contractor shall provide such, as required, to maintain other Primes continuation of work included within their Base Bid
- d. Fire alarm devices shall be surveyed and protected prior to work. All devices shall be returned to their existing location or adjusted to a code compliant location as required due to the scope on the ceilings/walls due to them being removed/relocated/new.
- e. The Electrical Contractor is aware that the District has emergency lights on the ceilings and walls. Upon the end of the panel installation, all emergency fixtures shall be tested. Any devices not functioning shall be restored/repaired/replaced in kind prior to the return of the building to the District for operational use or as directed.

5. Construction:

- a. Selective demolition in a safe and approved manner (LOTO)
- b. Provide and install panels, conduit, wire, enclosures, junction/splice boxes grounding, terminations, tagging/labeling of new work
- c. Provide and install electrical equipment such as transformers, junction boxes, panels, breakers, enclosures, switch gear, pull boxes, supports, ect.

- d. Provide and install power to all mechanical and plumbing equipment, reference applicable drawings. Disconnect and safe as required for reuse. Reconnect power to new equipment as required. Prior to disconnecting, in a reasonable timeline, record panel, breaker, wire size, amps, voltage, phase information for the A/E and MC for coordination of new equipment submittals.
- e. Salvage all required equipment and re-install as applicable
- f. Provide and install Interior and Exterior Lighting, including poles, supports, emergency and exit lighting, sensors, controls for a complete system as required by the manufacture per the design intent.
- g. Provided in wall cores, openings, ect for system/equipment penetrations, firestopping
- h. Provide and install all bonding and grounding
- i. Provide and install all lightening protection system including anchors, rods, cable, supports, grounding ect. as shown
- j. Provide ALL power wiring to ALL HVAC equipment. Install motor controllers/disconnects supplied by HVAC Contract.
- k. Mechanical Contractor to provide pumps, motor starters, VFDs ect. Disconnects to be provided by Mechanical Contractor. Coordinate installation of power wires, conduits ect from source to various equipment. Controls to be by Mechanical Contractor.
- l. Provide power to all ADA hardware and electric hardware shown in door hardware schedule. Provide control wiring and connection for electrified door hardware.
- m. Provide all phone, CAT, and communication/networking work/systems as shown.
- n. Provide public address systems, devices as shown, including full installation and training.
- o. Provide all fees required for inspections and permits.
- p. Furnish access doors for electrical access (to be installed by GC)
- q. Provide and maintain a temporary electric service, including lighting and power, for the site office trailers off of the temporary service being provided General Requirements, including but not limited to, additional items specifically indicated as the Work of this Contract.

The Work of the Electrical Work Contract includes but is not limited to the Work that is specified in the Project Manual(s) and as shown on the drawings that form the contract plans. The Contractor is directed to examine all drawings since certain details and/or notes

may appear anywhere therein that apply to his/her particular work. This prime contract is defined as, and includes, all Sections in the Divisions indicated by reference, and specific Sections noted:

1. Division 00 – Procurement and Contracting Requirement, All Sections.
2. Division 01 – General Requirements All Sections, including Temporary Facilities indicated
3. Division 02 – Existing Conditions - As applicable to work of this contract
4. Division 07 – “THERMAL AND MOISTURE PROTECTION” As applicable to work of this contract
5. Division 14 – “Conveying Equipment” Support as required for the lift equipment installation by other
6. Division 22 – “Plumbing” As applicable to work of this contract
7. Division 23 – “Heating Ventilating and Air Conditioning” As applicable to work of this contract
8. Division 26 – “Electrical” - All Sections

1.10 PLUMBING & MECHANICAL CONTRACT

Work of the Plumbing and HVAC Contract includes Plumbing as a working finish system such as supply, venting drainage ductwork, housekeeping pads, plus other construction operations traditionally recognized as plumbing work. Includes HVAC as a complete working finish system such as Equipment, Piping, ductwork, control systems, housekeeping pads, plus other construction operations traditionally recognized as heating, ventilating and cooling work. This includes, but is not limited to, work shown on the following:

1. Drawings:
 - a. All "title sheets, general notes, code compliance and Phasing Drawings" (General)
 - b. All "P" and "PD" series drawings (Plumbing)
 - c. Applicable information shown on the "A" "AD" "E" "ED" "C" "S" "HAZ" drawings, unless noted otherwise. It also includes Administrative and coordination responsibilities.
 - d. All "GEN" series Drawings, as it pertains to Work of this Contract
 - e. All references to other drawings from drawings listed above.
2. Coordination:

- a. Coordination with the work with all of the other contractors.
 - b. Coordinate with State Contract scope of work, see section for details
3. Demolition
- a. Provide demolition of all plumbing equipment/fixtures and piping as shown and as required at the existing building. Included any work found abandoned in place or unused adjacent to work scope. Salvage, Store, Protection of equipment for reinstallation as indicated on the drawings.
 - b. Coordinate with General Contractor for all cutting and patching necessary for work of this contract, however the Plumbing Contract to include layout, sleeves, coring, debris removal, and etc. for scope associated with the Plumbing system installation.
 - c. Removal and disposal of miscellaneous equipment, including equipment not shown if impacting work to be demolished. Restore and replace as required
 - d. Provide protection to all materials to remain intact
 - e. Provide demolition of all HVAC equipment/devices and piping as shown and as required at the existing building. Included any work found abandoned in place or unused adjacent to work scope. Salvage, Store, Protection of equipment for reinstallation as indicated on the drawings.
4. Temporary Facilities
- a. Provide Temporary Facilities indicated as Work of this Contract in Division 01 "Temporary Facilities and Controls"
5. Construction:
- a. Selective demolition.
 - b. Salvage and re-install work as applicable.
 - c. Provide and install potable water supply and distribution including valves, hoses, support, insulation, fittings and applicable accessories
 - d. Provide and install insulation on all new work. Tie into existing lines and insulate up to existing work for a unified insulation performance
 - e. Provide and install bathroom fixtures sinks, supports, anchors, shutoffs, and applicable accessories

- f. Provide and install Drainage pipe, cleanouts, vents covers ect as required
- g. Provide and install Water Fountains for a complete system
- h. Provide and install Water Service testing, connections, and commissioning
- i. Provided inwall cores, openings, ect for system/equipment penetrations, firestopping
- j. Provide all testing, inspection, permits
- k. Provide and install all cleaning, startup, chemicals, testing, inspection, permits, balancing, commissioning
- l. Contractor to provide and install new additional valves above and beyond what is shown on the drawings – (5) five 1", (2) 1 ½", (2) 2", (1) 3" for pricing purposes. Exact sizes and location to be determined in the field, at the direction of the construction manager.
- m. Remove and dispose of all unused equipment, fuel lines, piping, ect. adjacent to the new work and/or as shown on the Drawings
- n. Roof mounted equipment installation shall be coordinated for location and building tie-in. Curb material will be removed and furnished by the Mechanical Contractor. The roofing and curb cut in shall be by the General Contractor, along with all necessary, waterproofing, ect. Any structural support modifications and building envelope penetrations will be by General Contractor
- o. Provide and install Ductwork, supports, grilles, louvers, valves, dampers, access hatches, insulation, and applicable accessories
- p. Adjust (add or remove) necessary duct extensions to make up the difference in height/locations or other necessary adjustments for grills/louvers ect in the ceilings.
- q. Provide and install Exhaust fans, hoods, motors, fan, equipment, penetrations, and applicable accessories for a complete system. Curbs to be provided by the Mechanical Contractor for the General Contractor to install and flash.
- r. Provide and install Pumps, controls, motor starters, VFDs. Disconnects to be installed by Electrical Contractor. Coordinate installation of main power from disconnect/breaker/panel to be performed by Electrical Contractor.
- s. Provide and install new HVAC equipment controls on all new equipment included or salvaged/re-installed, including connection, conduit, cores, wires, ect (Building Management System - BMS). Coordinate with the Owner on existing equipment tie-in.
- t. Provide and install all equipment as per the schedule on the mechanical drawing schedules

- u. Provide and install mechanical piping, hangers, joints and applicable accessories including insulation, labels, tags, expansions joints,
- v. Clean existing ductwork prior to system startup, replace filters as needed
- w. Mechanical Contractor to included construction filters and change them out with permanent ones prior to startup/turnover on all equipment.
- x. Provided in wall cores, openings, ect for system/equipment penetrations. Penetrations for exterior louvers to be laid out by the Mechanical Contractor to be cut out by the General Contractor. General Contractor to provide all required lintels and wall finish repair. Mechanical Contractor to furnish and install the louvers.
- y. Provide and install all labeling, startup, cleaning, disinfection, chemicals, testing, inspection, permits, balancing, commissioning ect.
- z. Provide Training on new systems and equipment
 - aa. Provide and install all required low voltage for HVAC equipment
 - bb. Provide and Install all controls components into air and hydronic systems such as, but not limited to;
 - I. Install motor actuated dampers.
 - II. Install airflow measuring stations.
 - III. Install airside temperature and pressure sensors.
 - IV. Install hydronic control valves.
 - V. Install hydronic temperature and pressure sensor wells, monitor sensors
 - VI. Provide TAB and participate in commissioning work as required for controls of the work of this contract.
- cc. Furnish access doors for HVAC access (to be installed by GC)
- dd. Provide the necessary layout for all equipment and penetrations with other Contracts
- ee. Provide Owner training / commissioning of equipment.

The Work of the HVAC and Plumbing Work Contract includes but is not limited to the Work that is specified in the Project Manual(s) and as shown on the drawings that form the contract plans. The Contractor is directed to examine all drawings since certain details and/or notes may appear anywhere therein that apply to his/her particular work. This prime contract is defined as, and includes, all Sections in the Divisions indicated by reference, and specific Sections noted:

- 1) Division 00 - Procurement and Contracting Requirement, All Sections
- 2) Division 01 – General Requirements, All Sections, including Temporary Facilities indicated
- 3) Division 02 – Existing Conditions, As applicable
- 4) Division 07 – “THERMAL AND MOISTURE PROTECTION” As applicable to work of this contract
- 5) Division 14 – “Conveying Equipment” Support as required for the lift equipment installation by other
- 6) Division 22 – “Plumbing” All Sections

1.11 ABATEMENT OF HAZARDOUS MATERIALS CONTRACT

Work of this Contract includes Hazardous Materials abatement/removal plus other construction operations traditionally recognized as Hazardous Materials Construction. This includes, but is not limited to, following:

1. Drawings:
 - a. All "title sheets, general notes, code compliance and Phasing Drawings" (General)
 - b. All "HAZ" series Drawings (Hazardous Material)
 - c. All "GEN", series Drawings, as it pertains to Work of this Contract
 - d. Applicable information as shown on the "A" "AD" "P" "PD" "E" "ED" "C" "S" drawings, unless noted otherwise. It also includes Administrative and coordination responsibilities.
 - e. All references to other drawings from drawings listed above.
2. Coordination:
 - a. Coordination with the work of all of the other contractors. Review with adjacent Contractors and ensure that the work and facilities are always protected
 - b. Coordinate with State Contract scope of work, see section for details
3. Demolition:
 - a. Asbestos containing material removal as shown in the contract documents and disposal per Code Rule 56.
 - b. Construction of hard barriers separating abatement areas from all other areas.

- c. Removal of casework, sink, flooring for access to hazardous material removal
- 4. Temporary Facilities
 - a. Provide Temporary Facilities indicated as Work of this Contract in Division 01 Section 015000, "Temporary Facilities and Controls"
- 5. Construction: Provide the removal of asbestos containing material as shown.
 - a. Pipe fitting insulation removal as shown
 - b. Remove chase and other walls for access to pipe fitting and insulation
 - c. Floor tile, cove base and mastic down to substrate, all layers required
 - d. Floor mounted equipment, flooring and mastic down to substrate
 - e. Floor mounted casework, flooring and mastic down to substrate
 - f. Sink scope, removal
 - g. Caulk and backer rod in expansion joints
 - h. Asbestos containing material removal as shown in the contract documents and disposal per Code Rule 56 for all affected material on or adjacent to the window scope of work to be by General Contractor
 - i. Asbestos containing material removal as shown in the contract documents and disposal per Code Rule 56 for all affected material on or adjacent to the new or disturbed scope of work
 - j. HVAC Putty on shown joints
 - k. Misc. electrical components
 - l. If not otherwise being replaced, re-install/repair anything removed for protection and or access to the work.
 - m. General Requirements, including but not limited to, additional items specifically indicated as the Work of this Contract.

The Work of the Hazardous Material Abatement Work Contract includes, but is not limited to, the Work that is specified in the Project Manual(s) and as shown on the drawings that form the contract plans. The Contractor is directed to examine all drawings since certain details and/or notes may appear anywhere therein that apply to his/her particular work. This prime contract is defined as, and includes, the following listed sections:

- 1. Division 00 - Procurement and Contracting Requirement, All Sections
- 2. Division 01 – General Requirements, All Sections
- 3. Division 02 – Existing Conditions, All Sections

4. Section 07 - Penetration Firestopping, as required for the Work of this Contract
5. Section 07 - Joint Sealants, as required for the Work of this Contract

1.12 ADDITIONAL SCOPING

Definition of Extent of Prime Contract Work; Additional Prime Contract Work not previously described.

- a. All Prime Contractors are responsible for reviewing plans and specs as it pertains to their scope of work mentioned in the contract documents. Scopes of work referenced may be found in multiple locations throughout the plans and specifications and addendums. Contractor will confirm their own bid set of documents.
- b. Local custom and trade union jurisdictional settlements do not control the scope of work included in each prime contract. When a potential jurisdictional dispute or similar interruption of work is first identified or threatened, the affected prime contracts shall promptly negotiate a reasonable settlement to avoid or minimize the pending interruption and delays.
- c. All OSHA safety and hazardous materials regulations will be enforced on this project. All Contractors must submit a safety program, a hazardous materials program, (all required data must be maintained at the job site) and attend safety meetings. Toolbox talks will be required from each prime contractor.
- d. All Contractors are responsible for any debris caused by their work. A daily clean- up and disposal is required by each Contractor for the periods which that Contractor is performing work on site, on a day selected by the Construction Manager. Each trade will assign at least one person to the weekly clean-up; the name of this person is to be submitted to the Construction Manager. Any Contractor not providing personnel will be "back-charged" for labor provided by the Construction Manager.
- e. All Contractors are responsible for coordinating cutting/patching required to complete their work. All exposed finishes must be ready to receive paint, etc.; all concealed openings (piping, ductwork, conduit, etc.) must be repaired to comply with specified wall or deck conditions.
- f. Multiple Crews: To maintain the project schedule, each Prime

Contractor is to provide multiple crews as required. Each crew is to be furnished with its own supervision, equipment, access and other means necessary to maintain the Project Milestone Schedule.

- g. Supervision: The proposed project manager and field superintendent for the project is to have at least five years experience in the proposed position. Each successful bidder shall submit resumes to the Construction Manager for the proposed project manager and field superintendent for the project. This information will be reviewed with the Owner, Architect and Construction Manager for approval. Should the Project Manager and/or Superintendent prove unqualified for the position at any point in the project, the Construction Manager shall issue a letter stating that the person is to be removed from involvement in the project. Action by the contractor must be made within seven working days of receipt of such letter.
- h. Each prime contractor shall return areas disturbed by their work activities to condition prior to start of work.
- i. Each prime contractor shall maintain within its field office a complete and current set of Contract Documents (including any Addenda, Change Orders, and Modifications thereto), approved shop drawings, samples, color schedules and other data pertinent to the Project.
- j. Each prime contractor is to survey existing work and submit to the Construction Manager a list of damaged areas (i.e. plaster walls, woodwork) prior to commencing work. Any damaged areas not identified prior to the work shall be the responsibility of the contractor/ Contractors working in that area. Construction Manager will have photos of existing conditions on file for reference. Failure to submit these photos, Contractor agrees that the location is free of damage/defect prior to the start of work.
- k. The General Contractor is required to submit a construction schedule based on the milestone dates to the Construction Manager for review and comment no later than 2 weeks after a Notice to Proceed for the work is issued. Other prime contractors have 5 days to complete their construction and submittal schedules after the Construction Manager distributes the General Contractor's schedule. The GC will continue to develop the schedule until all input is entered and agreed upon.
- l. Unless a specific item or material is noted as to remain the Owner's property or to become the Contractor's property (or similar words), any material having salvage or reuse value shall be inspected by the Owner. If the Owner wishes to retain this material, it shall be turned over to him on

the site where directed. If the Owner designates the material as scrap, it shall become the Construction Manager's property and removed from the site by the Contractor. Material having salvage value shall be carefully removed. If the Construction Manager designates the material as scrap, it shall become the contractor's property and removed from the site by the contractor. Material having salvage value shall be carefully removed.

- m. When the building is occupied and fire alarm and safety system work is in progress, the Electrical Contractor shall continuously maintain the existing building's fire alarm and detection system and exit and emergency lighting system or provisions must be made by the Electrical Contractor to provide equivalent safety. Electrical Contractor must notify the local fire department of any non-operating systems.
- n. All personnel required to be on site shall at all times have all required personnel protective equipment on at all times.
- o. All personnel on site shall at all times have a photo ID displayed where visible. Those without will be removed from site at once. If the same individual fails to have the ID a second time they will be removed from site and not be allowed back on site.

1.13 TESTING

Required testing and test procedures are indicated under each Division of the Technical Specifications. Other testing shall be performed per generally accepted standards.

The Architect shall reserve the right to require additional information as is deemed necessary to fully evaluate testing results.

The Owner shall employ and pay for an independent testing and inspection agency for testing requirements of their work as assigned by this scope of work. All testing shall be per technical specification requirements The Prime Contractor requiring testing will notify the Construction Manager 48 hours in advance of the required testing to allow for coordination and scheduling. Failure to give sufficient notice will require the prime contractor to pay for alternate testing to satisfy the specification.

1.14 WORK SEQUENCE

The Work will be conducted to provide the least possible interference to the

activities of the Owner's personnel.

All contract scopes of work in unoccupied areas of work can be performed weekdays from 7:00 AM to 3:30 PM unless otherwise noted. Work cannot be performed in occupied areas or adjacent to. Should work be required and coordinated, separation of work is mandatory per applicable codes/standards. When this is not feasible, work shall be scheduled off-hours, vacations and weekends for occupied areas. A Construction Manager Superintendent must be on site at all times that work is being performed. Second shift is considered after bus dismissal and coordinated for various after school clubs/activities/operations. For the purpose of the bid, the scopes of work below are assumed to be second, shift, weekends or off shift times and included with the Base Bid;

- a. Completion of scope not delivered within the summer work period
- b. Substantial Completion scope post Sept 1, 2024
- c. Punchlist

For the purpose of this Bid, Contractor shall include within their schedule, work to be performed on all Saturdays between June 29th 2024 and August 31th 2024 with ample crews to maintain schedule. This shall include all Primes, all trades at all locations.

It is anticipated that the General and Electrical Contractors shall coordinate and utilize replacement of classroom ceilings and light fixtures during the District's Winter and Spring break weeks.

If a contractor fails to maintain the progress as indicated by the milestone schedule by no other fault but its own, and requires overtime to complete the work; the contractor shall make arrangements with the Construction Manager 24 hours in advance and pay for a Construction Manager's superintendent at \$125.00 per hour. In the event that the cause for delay is multi-contract, then the costs shall be distributed evenly among contracts. Advise the Construction Manager 48 hours prior to commencing work inside the building.

Failure to progress the schedule in a fashion to maintain the overall completion date that causes other Primes to "accelerate" is subject to back charges as determined by the Architect and CM. Prime Contractor accelerating is to place CM and Prime on notice prior to any additional charges will be approved.

Coordination of any utility and/or power interruption must be done with the Construction Manager. Shutdowns must occur during off-hours and on days when the building is not occupied by the owner.

Construction access to the site shall be limited to those designated for contractor's personnel, equipment and deliveries by the Owner. Contractors' staging, parking and storage shall be coordinated by the Construction Manager.

Each Contractor shall inspect the site and review the AHERA report on file for the presence of asbestos. Unless otherwise noted, there will be asbestos containing material in place that will require work to take place in the vicinity of, around and/or next to. Each prime contractor that will be working above ceilings, demolishing, in crawl spaces, boiler rooms and all other areas that may contain asbestos per the AHERA report, shall employ "Allied Trades: certified/licensed tradesman as part of the onsite workforce".

1.15 OCCUPANCY REQUIREMENTS

The General Work Contractor shall provide indoor air quality management as specified by the Department of Labor and OSHA for the building, when the building is enclosed, as determined by the Construction Manager.

- a. Provide an exhaust air system for the project indoor areas that could produce fumes, VOC's off-gasses, gasses, dusts, mists, or other emissions.
- b. Exhaust air system for the project areas that could produce emissions listed in Paragraph 1 shall be utilized.
- c. Provide temporary partitions and air seals to prevent the migration of airborne contaminants from unoccupied areas to occupied areas when applicable.

Quality assurance:

- a. Maintain a negative pressure between the work area and the space surrounding the
- b. Before start of work, submit a design for the exhaust air system. Do not begin work until approval of the Owner is obtained.
- c. Location of the machines in the work space.
- d. Description of the methods used to test air flow and pressure differential.

System operation:

- a. A sufficient quantity of exhaust fans in existing window openings or other approved locations shall be operated in accordance with the following applicable standards.
- b. Exhaust air system shall operate for a minimum of 72 hours after work is completed, or until all materials have cured sufficiently as to stop out gassing of fumes or odors and area has been ventilated to remove all detectable traces of odors and fumes.
- c. Maintain twenty-five (25) feet clearance from all temporary exhaust outlets to all active building outdoor air intakes.

1.16 PROJECT MILESTONE SCHEDULE

See the milestone schedule to be provided in Addendum.

All Prime Contractors are required to submit a schedule based on the milestone dates to the Construction Manager for review and comment no later than 10 days after a Notice to Proceed for the work is issued.

1.17 ALLOWANCES

See Specification Section 01 21 00. Allowances are to be included in the base bid.

1.18 ALTERNATES

The Contractor shall state where requested on the Bid Form the amount to be added to or deducted from the base bid for the alternates described in Section 01 23 00 - Alternates.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION 011200

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