

SECTION 01 1200 - SUMMARY OF PROJECT

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including the General and Supplemental Conditions and Division 1 Specification Section, apply to this Section.

1.2 SUMMARY

- A. Section includes a summary of each contract, including responsibilities for coordination and temporary facilities and controls.
- B. Specific requirements for Work of each contract are also indicated in individual Specification Sections and on Drawings.
- C. Related Requirements:
 - 1. Section 011000 "Summary" for the Work covered by the Contract Documents, restrictions on use of Project site, phased construction, coordination with occupants, and work restrictions.
 - 2. Section 013100 "Project Management and Coordination" for general coordination requirements.

1.3 DEFINITIONS

- A. Permanent Enclosure: As determined by Architect, the condition at which roofing is insulated and weathertight; exterior walls are insulated and weathertight; and all openings are closed with permanent construction or substantial temporary closures equivalent in weather protection to permanent construction.

1.4 PROJECT COORDINATOR

- A. Project coordinator shall be responsible for coordination between the General Construction Contract, Plumbing Contract, HVAC Contract, Electrical Contract, and Site Contract.
 - 1. General Contractor will act as the project Coordinator for General Construction, at the High School Building, Concession/Press box Building, Fieldhouse Building, and coordination with MEP for tasks which General contractor is coordinator for.
 - 2. Site Contract will act as the project Coordinator for all Site Contract items. All field construction, bleacher modifications, all site utilities and coordination with MEP for tasks which site contractor is coordinator for.

1.5 COORDINATION ACTIVITIES

- A. Coordination activities of Project coordinator include, but are not limited to, the following:
 - 1. Provide overall coordination of the Work.
 - 2. Coordinate shared access to workspaces.
 - 3. Coordinate product selections for compatibility.
 - 4. Provide overall coordination of temporary facilities and controls.
 - 5. Coordinate, schedule, and approve interruptions of permanent and temporary utilities, including those necessary to make connections for temporary services.
 - 6. Coordinate construction and operations of the Work with work performed by each Contract and Owner's construction forces and separate contracts.
 - 7. Prepare coordination drawings in collaboration with each contractor to coordinate work by more than one contract.
 - 8. Coordinate sequencing and scheduling of the Work. Include the following:

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- a. Initial Coordination Meeting: At earliest possible date, arrange and conduct a meeting with contractors for sequencing and coordinating the Work; negotiate reasonable adjustments to schedules.
 - b. Prepare a combined contractors' construction schedule for entire Project. Base schedule on preliminary construction schedule. Secure time commitments for performing critical construction activities from contractors. Show activities of each contract on a separate sheet. Prepare a simplified summary sheet indicating combined construction activities of contracts.
 - 1) Submit schedules for approval.
 - 2) Distribute copies of approved schedules to contractors.
- 9. Provide photographic documentation.
 - 10. Provide quality-assurance and quality-control services specified in Section 014000 "Quality Requirements."
 - 11. Coordinate sequence of activities to accommodate tests and inspections, and coordinate schedule of tests and inspections.
 - 12. Provide information necessary to adjust, move, or relocate existing utility structures affected by construction.
 - 13. Locate existing permanent benchmarks, control points, and similar reference points, and establish permanent benchmarks on Project site.
 - 14. Provide field surveys of in-progress construction and site work and final property survey.
 - 15. Provide progress cleaning of common areas and coordinate progress cleaning of areas or pieces of equipment where more than one contractor has worked.
 - 16. Coordinate cutting and patching.
 - 17. Coordinate protection of the Work.
 - 18. Coordinate firestopping.
 - 19. Coordinate completion of interrelated punch list items.
 - 20. Coordinate preparation of Project record documents if information from more than one contractor is to be integrated with information from other contractors to form one combined record.
 - 21. Print and submit record documents if installations by more than one contractor are indicated on the same contract drawing or shop drawing.
 - 22. Collect record Specification Sections from contractors, collate Sections into numeric order, and submit complete set.
 - 23. Coordinate preparation of operation and maintenance manuals if information from more than one contractor is to be integrated with information from other contractors to form one combined record.
- B. Responsibilities of Project coordinator for temporary facilities and controls include, but are not limited to, the following:
 - 1. General Contract shall provide common-use field office for use by all personnel engaged in General construction activities.
 - 2. Site Contract shall provide common-use field office for use by all personnel engaged in Site construction activities.
- 1.6 THE CONTRACT
- A. 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, 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.
 - B. Scope of work for each Prime Contractor is defined in Section 011200 and takes precedence over all drawing notes that may refer to scoping.
 - C. 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:

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- 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 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.
- D. Each Prime Contractor shall:
1. **Strive to maintain a safe environment for its employees, clients and vendors. The prime contractors efforts for an effective response to the Novel Coronavirus (COVID-19) Pandemic will be guided by and in accordance with all applicable federal, state and local laws and guidelines issued by public health authorities such as the Centers for Disease Control and other governmental agencies.**
 2. Provide field-engineering services, in addition to those provided by the Site Work Prime Contract, to install site utilities included in the applicable Prime Contract.
 3. Coordinate construction schedule information in order to formulate one master schedule for the entire Project.
 4. Provide reflective vests to be worn by all on-site personnel at all times.
 5. Provide erosion and Sediment Control, and dewatering as it relates to any excavation associated with its own Prime Contract.
 6. Provide sanitary hand solution and 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.
 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 Site Work Contractor.
 13. Provide traffic control for deliveries, and equipment needed to perform the work of their own Prime Contract.

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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 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 Architects

1.7 SUMMARY OF WORK

- A. 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 GC – GENERAL CONSTRUCTION WORK
 2. **CONTRACT 2 SC – SITE CONSTRUCTION WORK – TO BE AWARDED VIA COPERATIVE PURCHASING CONTRACT**
 3. CONTRACT 3 EC – ELECTRICAL CONSTRUCTION WORK
 4. CONTRACT 4 PC – PLUMBING CONSTRUCTION WORK
 5. CONTRACT 5 HC – HVAC CONSTRUCTION WORK

1.8 WORK UNDER SEPARATE CONTRACTS

- A. The project will be constructed under a multiple-prime contracting arrangement
- B. One set of documents is issued covering all multiple prime contracts. Each prime contractor is to review ALL drawings and specifications for complete understanding and knowledge of the work.
- C. 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.
- D. 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.
 1. 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.
 2. The Site Work Contract shall provide shoring, bracing, excavation and backfill for all other contractors. Trenches, excavation, fill and compaction for the Work of all contracts shall be provided by the Site Work Contract. Site work contractor is to refer to all Mechanical, Electrical and Plumbing drawings for locations of utilities requiring shoring, bracing, excavation and backfilling. The General contract shall be responsible for foundation excavation/backfill at the Concession/Press box building and the Field House.
 3. Provide all cutting & patching associated with the Work of its Prime Contract. All patching is to be performed by mechanics qualified and experienced with the materials and finishes being patched, and hired by the responsible Prime Contractor.

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4. Firestopping for the Work of each contract shall be provided by each contract for its own Work. Firestopping shall comply with Division 7 Section "Penetration Firestopping"
 5. 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.
 6. 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; 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.
 7. Termination and removal of its temporary facilities shall be provided by each contract for its own Work.
- E. Temporary Facilities and Controls: In addition to specific responsibilities for temporary facilities and controls indicated in this Section and in Division 1 Section 01500 "Temporary Facilities and Controls," each Contract is responsible for the following:
1. 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
 2. Plug-in electric power cords and extension cords, supplementary plug-in task lighting, and special lighting necessary exclusively for its own activities.
 3. Its own field office complete with necessary furniture, utilities, and telephone service.
 4. Its own storage and fabrication sheds.
 5. Temporary heat for construction at isolated work areas if required.
 6. Temporary enclosures for its own construction activities.
 7. Hoisting requirements for its own construction activities.
 8. Each Prime Contractor is to stockpile his debris on a daily basis and place it in the dumpster. Dumpsters will be provided by each Contractor for their own work. Prime contractors will endeavor to recycle materials daily.
 9. Secure lockup of its own tools, materials, and equipment.
 10. Construction aids and miscellaneous services and facilities necessary exclusively for its own construction activities.
 11. Safety procedures as dictated by the district, OSHA, and the NYS Department of Labor.
 12. Labor for daily clean-up.
- 1.9 CONTRACT 1 - GENERAL CONSTRUCTION WORK:
- A. The Work of the General Construction Work Contract includes but is not limited to, the following descriptions:
1. Includes Architectural, Structural, Masonry, Flooring, Ceilings, Casework, plus other construction operations traditionally recognized as General Work Construction. It also includes Administrative and coordination responsibilities. This includes, but is not limited to, *all work shown* on the following:
 - a. Drawings:
 - 1) All "B" series Drawings (Code Plans)
 - 2) All "AA" series Drawings (Asbestos Abatement)
 - 3) All "C" series Drawings (Civil Drawings), *as it relates to the construction of the concession building*
 - 4) All "D" and "SD" series Drawings (Demo Plans)
 - 5) All "S" series Drawings (Structural Plans)
 - 6) *All "A" series Drawings (Architectural)*
 - 7) Review "M,E,P" drawings for the purposes of coordination.

2. Coordination:

- a. General Work Contractor is to pay particular attention to coordination of work at all flooring replacement with the state flooring contract. Coordination with the work of all of the other prime contractors.

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. Contractor is asked to make every effort to visit the site to review existing conditions prior to bidding the project. A sign in sheet will be kept to verify compliance with this request.
- d. Removal of masonry walls, doors, and interior partitions.
- e. Removal of finishes noted on plans.
- f. Removal and disposal of miscellaneous equipment including all existing wall mounted specialty items and/or equipment not shown if impacting work to be demolished.
- g. All cutting and patching necessary for work of this contract, including layout, sleeves, coring, debris removal, sawcuts, providing lintels, drywall work, plaster work, grouting, painting, ceiling removal and replacement, etc.

4. Temporary Facilities

- a. Provide dust protection.
- b. Provide continuous exits.
- c. Provide temporary plywood protection at all existing openings to be replaced and new openings that are to be performed by the General Work Contractor. Assure the interior of the building is not exposed to the outside elements. All openings to be kept water tight at all times.
- d. Provide Temporary Facilities indicated as Work of this Contract in Division 1 Section 01 50 00, "Temporary Facilities and Controls"

5. New Construction:

- a. **In existing construction**, each Prime Contractor is to provide their own rough opening in walls, and floors, including lintels and any required structural framing for penetrations as part of their own Prime Contract. All lintels and / or framing are to be sized in accordance with the lintel schedules and standard details within the contract documents unless specifically shown to be under the General Construction Contract. Installation is to be performed by a mechanic qualified and experienced with the materials and finishes being altered or installed. Submit to the Construction Manager the name and qualification of the subcontractor performing the installation prior to starting the work.
- b. The General contract shall be responsible for foundation excavation/backfill at the Concession/Press box building and the Field House.
- c. Foundations, including footings, foundation walls foundation repair.
- d. Slabs-on-grade, (earthwork by general contractor), insulation, and finishes.
- e. Below-grade building construction, and thermal and moisture protection,
- f. Superstructure, including floor and roof construction and board fire protection.
- g. Exterior closure, including walls, doors, windows, and louvers.
- h. Roofing, including coverings, flashings roof specialties and glazed openings.
- i. Roof patching when not required by other trades. (High School RTU's roof curb flashing will be by HVAC Contract)
- j. Provide repairs to masonry and concrete structures and openings.
- k. Interior construction, including partitions, doors, interior glazed openings, and fittings.
- l. Fire-protection specialties.
- m. Provide concrete and masonry.
- n. Provide self-leveling underlayment where required to allow for acceptable flooring installation by state contract. Contractor shall anticipate that all existing areas to receive new flooring shall require both light grinding and self-leveling underlayment.**
- o. Provide rough and finish carpentry.
- p. Provide architectural woodwork.
- q. Provide doors and hardware, frames, and electric hardware. Power for electrical hardware to be provided by the Electrical Contractor.

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- r. Provide gypsum wallboard and finishing for same.
- s. Provide access doors that are shown on Architectural drawings.
- t. Miscellaneous items, including concrete equipment bases painting of mechanical and electrical work.
- u. Items not covered in each trade description (section 1.10, 1.11, 1.12 and 1.13) identified on any drawing or in any specification section, are the responsibility of the general construction contractor.
- v. File, pay for, and obtain all required permit, inspections and approvals.
- w. Provide building paper protection over finished product. Include maintenance of protection and removal of paper.

6. Provide multiple shift work as needed to complete work as shown on milestone schedule.

- B. 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 0 –Procurement and Contracting Requirement, all Sections.
- 2. Division 1 –General Requirements, all Sections, including Temporary Facilities indicated.
- 3. Division 2 – Existing Conditions, all Sections
- 4. Division 3 – Concrete, all Sections.
- 5. Division 4 – Masonry, all Sections.
- 6. Division 5 – Metals, all Sections.
- 7. Division 6 – Woods, Plastics and Composites, all Sections
- 8. Division 7 –Thermal and Moisture Protection, all Sections *EXCEPT FOR SECTION 071800 – TRAFFIC COATINGS / PEDESTRIAN TRAFFIC*
- 9. Division 8 – Openings, all Sections.
- 10. Division 9 – Finishes, all Sections.
- 11. Division 10 – Specialties, all Sections, *EXCEPT FOR SECTION 101453 - TRAFFIC SIGNAGE AND SECTION 107500 – FLAGPOLES*

1.10 CONTRACT 2 – SITE WORK CONSTRUCTION– TO BE AWARDED VIA COOPERATIVE PURCHASING CONTRACT

- A. The Work of the Site Work Contract, includes but is not limited to, the following descriptions:

1. Landscape, Site plus other construction operations traditionally recognized as Site Work Construction. This includes, but is not limited to, *all work shown* on the following:

- 1) All “B” series Drawings (Code Plans, Boundary and Topographic Survey)
- 2) Drawings: All “C” series Drawings (Civil) – Bleacher and Concession / Press Box drawings are for coordination purposes.
- 3) All “S” series Drawings (Structural Plans)
- 4) *All “A” series Drawings (Architectural)*

Drawings: All “P, E” series Drawings (Plumbing / Electrical) – as it pertains to digging and trenching work required for this prime.

2. Coordination:

- a. Coordination with the work of all of the other contractors including but not limited to the synthetic turf state contractor, the rubber track state contractor, athletic field lighting state contractor, and the bleacher / press box state contractor.

3. Demolition:

- a. Removal of curbing, roadways, bituminous paving, and concrete walks
- b. Removal and relocation of trees, shrubs and ground cover.
- c. Removal of all underground utilities and/or equipment as shown or described.
- d. Removal of existing sports fields, track and associated utilities.
- e. Removal of existing surfacing and fencing.

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- f. Removal of existing bleachers and associated structures.
- g. Removal of existing light pole bases to be replaced.
- h. Removal and disposal of miscellaneous equipment including equipment not shown if impacting work to be demolished.
- i. Removal of unsuitable fill including rock shown in Geotech report to suitable depth

4. Temporary Facilities

- a. Provide temporary silt fencing around athletic field areas being renovated.
- b. Provide temporary roads/ access and continuous exits in and out of all construction areas.
- c. Provide all necessary erosion control measures specific to renovation of the athletic fields and parking / circulation. See drawings and specifications for SWPP requirements.
- d. Provide wash out area for construction vehicles.
- e. Prime Contractor is to stockpile his debris on a daily basis, and place it in the dumpster.
- f. Provide Temporary Facilities indicated as Work of this Contract in Division 1 Section 01500, "Temporary Facilities and Controls"

5. New Construction:

- a. Provide excavations and earthwork including topsoil stripping, stockpiling and fill for the Site Work Contract. Provide shoring, bracing, excavation and backfill for all other contractors.
- b. Provide site work related to the all utility upgrades. Coordinate shutdowns with the Owner and Construction Manager.
- c. Provide site work related to all sports field events including but not limited to the following:
 - 1) **Football Field including any associated storm and irrigation systems. *The Synthetic Carpet and Installation will be provided by the site contract. The site contractor will be responsible for all subbase and infrastructure associated with the new synthetic field. Final acceptance of subbase and field planarity from synthetic carpet manufacturer will be required prior to installation.***
 - 2) ***The Rubber Track Installation will be provided by the site contract. The site contractor will be responsible for all asphalt subbase and infrastructure associated with the new rubber track and rubber required at field events. Coordinate synthetic track surfacing installation with rubber and carpet contractors.***
 - 3) ***Bleachers / ADA Ramps to be purchased off of state contract. Strict coordination will be required during shop drawing process and final installation. The foundations associated with the Bleachers and ADA Ramps will be provided by the Site contract.***
 - 4) ***Sports field lighting is to be provided by the site contract. Strict coordination will be required during shop drawing process and final installation. Layout of the sports field lighting will need to be approved by both parties prior to installation.***
- d. All site drainage improvements.
- e. All excavation/backfill and installation of fire water service.
- f. All excavation/backfill installation of domestic water service to concession building Plumbing at point 5ft outside of buildings.
- g. All excavation/backfill for installation of electrical conduits.
- h. Excavation for all trades. The General contract shall be responsible for foundation excavation/backfill at the Concession/Press box building and the Field House
- i. Test all site installed systems.
- j. Test all factory installed systems.
- k. Provide concrete sidewalks, asphalt paving, final landscaping, site appurtenances and curbing. Provide driveway and parking lot paving and drainage as shown.
- l. Provide suitable fill to replace unsuitable fill.
- m. Provide all storm water improvements. Provide underground storm systems.
- n. Provide all site fencing and landscaping
- o. Provide construction entrance.
- p. Provide standard duty access roads.
- q. Site contractor shall install site data conduits.
- r. The Site Work Contract shall perform all necessary excavation, backfilling, and compaction and field required concrete. The electrical work contractor will provide conduit and manholes for electrical duct bank and data / security bank only.
- s. Provide excavation and backfill and installation for concrete light pole bases provided by the Site contractor. Coordinate installation.

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- t. Provide:
- 1) All site signage, see temporary facilities section
 - 2) Erosion controls and all necessary documentation and regular inspections of erosion control.
 - 3) 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 others.
- u. At the three utility poles along property line to be removed, Site Contractor to be responsible for backfilling of holes should the Power Authority not backfill.
6. General Requirements, including but not limited to, additional items specifically indicated as the Work of this Contract.
- B. The Work of the Site 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 1 –General Requirements, all Sections, including Temporary Facilities indicated.
 2. Division 2 – Existing Conditions - all Sections as it pertains to site work
 3. Division 3 – Concrete - all Sections, as it pertains to site work.
 4. Division 7 – Thermal and Moisture Protection – as it pertains to joint sealants Section 071800 - *TRAFFIC COATINGS / PEDESTRIAN TRAFFIC*
 5. Division 10 – Specialties – *SECTION 101453 - TRAFFIC SIGNAGE AND SECTION 107500 – FLAGPOLES*
 6. Division 11 – Equipment – Section 116833 Athletic Field Equipment and Section 116843 Exterior Scoreboards
 7. Division 13 – Special Construction – all Sections ***as it pertains to the coordination of the new bleachers and ADA ramp system. The new bleachers / ADA Ramp and associated foundations will be by the State Contract. Strict coordination will be required.***
 8. Division 26 – Electrical – all Sections as it pertains to required site trenching.
 9. Division 31 – Earthwork – all Sections
 10. Division 32 – Exterior Improvements – all Sections,
 11. Division 33 – Utilities – all Sections
- C. The Site Work Contract is responsible for installation of and maintenance of all Temporary Erosion and Sediment Control measure for the duration of the project as specified and associated Pollution Control for SPDES Sites.”
- 1.11 CONTRACTS 3 - ELECTRICAL WORK CONTRACT
- A. Work of this Contract includes, but is not limited to, the following descriptions:
1. Includes Electrical Distribution Service, Athletic Field Lighting, Athletic Field Communications, Fire Alarm, Intercom Systems, Security Systems, general site lighting, and other systems traditionally recognized as Electrical work. This includes but is not limited to, all work shown on the “E”, “ED” and “FA” Drawings.
 2. Coordination:
 - a. Coordination with the work of all of the other contractors.
 3. Demolition:
 - a. Removal of items as shown and/or required.
 - b. Removal of site lighting fixtures and wiring.
 - c. All cutting and patching necessary for work of this contract, including layout, sleeves, coring, debris removal, sawcuts, lintels (furnish and install), drywall work, plaster work, grouting, painting, ceiling removal and replacement, etc.
 - d. De-energize all systems required for demolition for all contracts.

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- e. Coordination with Power Authority for the removal of three existing utility poles along property line. Any wire and equipment not otherwise removed by the Power Authority shall be removed by the Electrical Contract. Site Contractor to be responsible for backfilling of holes should the Power Authority not backfill.

Demo of power connection to existing baseball scoreboard from field house.

4. Temporary Facilities

- a. Provide Temporary Facilities indicated as Work of this Contract in Division 1 Section 01500, "Temporary Facilities and Controls"

5. Construction:

- a. Provide electric power to new Musco controller from concession building . Musco Lighting to be provided through Site contract.
- b. Supply and install all electrical materials, devices and equipment for the project.
- c. Supply and install complete electrical service from source to factory installed transformers, MDP, electrical panels, wiring, and devices.
- d. Supply and install electrical heaters.
- e. Supply and install all conduits, wiring from existing High School to new concession stand.
- f. Remove and reinstall all wiring to existing score board in new press box.
- g. Supply and install RTU disconnects and make electrical connections.
- h. Supply and install RTU maintenance receptacles and make electrical connections.
- i. Supply and install the conduit, wire, added breaker, and connections to power the new hot box from the existing 200 AMP panel located at the Baseball Field.
- j. Supply and install all interior light fixtures.
- k. Supply and install all exterior building lights.
- l. Supply and install all exit lights and emergency lighting.
- m. Test all site installed systems.
- n. Test all factory installed systems.
- o. Provide all fire alarms, security conduit only, CATV, wireless clock system, public address sound system, and networking systems as shown.
- p. Provide all necessary wiring associated with the press box.
- q. Provide all fees required for inspections and permits.
- r. The electrical work contractor will be responsible for the electrical duct bank installation as follows: The site work contractor will perform all necessary excavation, backfilling and compaction. The electrical work contractor will provide and install conduit and manholes for electrical ductbank and data bank. The site work contractor to supply light pole bases.
- s. Provide support framing for Electrical equipment and conduits.
- t. Provide firestopping and sealing all electrical penetrations.
- u. Provide owner training.

Provide control wiring and connection for electrified door hardware.

6. General Requirements, including but not limited to, additional items specifically indicated as the Work of this Contract.

7. Provide second shift work as needed to complete work as shown on milestone schedule.

- B. 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 plan 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 1 –General Requirements all Sections, including Temporary Facilities indicated.
2. Division 8 – Openings – review all sections as required for the scope of this contract.
3. Division 11 – Equipment – review all sections as required for the scope of this contract.
4. Division 26 - Electrical - All Sections, except 265868 EXTERIOR ATHLETIC LIGHTING, exterior athletic lighting is for reference and coordination with supply power.
5. Division 28 – Security & Fire Alarm Systems

1.12 CONTRACT 4 - PLUMBING WORK CONTRACT

- A. This prime contract is defined as, and includes, Drawings and Specifications as indicated by reference, and any other construction operations traditionally recognized as Plumbing Construction Work.. This includes but is not limited to, all work shown on the "P" and "PD" Drawings.

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1. Coordination:
 - a. Coordination with the work of all the other contractors.
2. Demolition:
 - a. Removal of items as shown and/or required. Coordinate shutoffs with CONSTRUCTION MANAGER, DISTRICT and General Contractor during demolition.
 - b. All cutting and patching necessary for work of this contract, including layout, sleeves, coring, debris removal, saw cuts, lintels (furnish and install), drywall work, plaster work, grouting, painting, ceiling removal and replacement, etc.
3. Temporary Facilities
 - a. Provide Temporary Facilities indicated as Work of this Contract in Division 1 Section 01 50 00, "Temporary Facilities and Controls"
4. Construction:
 - a. **In existing construction**, each Prime Contractor is to provide their own rough opening in walls, and floors, including lintels and any required structural framing for penetrations as part of their own Prime Contract. All lintels and / or framing are to be sized in accordance with the lintel schedules and standard details within the contract documents unless specifically shown to be under the General Construction Contract. Installation is to be performed by a mechanic qualified and experienced with the materials and finishes being altered or installed. Submit to the Construction Manager the name and qualification of the subcontractor performing the installation prior to starting the work.
 - b. The General Construction Work Contract shall perform all necessary trenching, excavation, backfilling, compaction and field required concrete for all other primes within the delineated General Construction Work area unless noted otherwise.
 - c. Supply all materials/labor to make all hot & cold water connections and insulate.
 - d. Provide/Install fixtures and make water & sanitary connections.
 - e. Test all fixtures, including water heaters and bottle fillers as required by local/state code.
 - f. Make repairs and/or adjustments as required to provide working fixtures.
 - g. Supply all materials, labor, equipment, and tools to manifold all sanitary drops and extend piping to a point 5ft outside the building.
 - h. Heat tape & insulate as required by local codes.
 - i. Test domestic water and sanitary systems as required by local/state code.
 - j. Install all gas piping from source and connect as required.
 - k. Supply and install all necessary blocking, anchors and hangers to support and secure gas piping on the roof.
 - l. Make tie-in to gas source.
 - m. Paint piping as required by local/state code.
 - n. Purge system and start all gas operated equipment.
 - o. Gas piping contractor to coordinate tie-in location, pressure requirements, etc. with local gas provider.
 - p. All fire service work will be by site contractor.
 - q. All domestic water, to a point 5ft outside the building will be by plumbing contract.
 - r. Supply all materials and labor to make domestic water connections at all points, plumbing contractor shall chlorinate and provide acceptable test result to owner for entire domestic water service line.
 - s. Provide and connect water to steeplechase at a point 5ft outside concession building.
 - t. All fees required for inspections and permits.
 - u. Provide support framing for plumbing equipment.
 - v. Furnish access doors for plumbing access and foundation sleeves for underground piping (to be installed by GC)
 - w. Provide firestopping and sealing at all plumbing penetrations.
 - x. Provide owner training / commissioning of equipment.
5. Provide multiple shift work as needed to complete work as shown on milestone schedule. Schedule shows a significant amount of work to be performed second shift.

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- B. The Work of the 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 documents. The Contractor is directed to examine **ALL** drawings and specifications since certain details and/or notes may appear anywhere therein that apply to his/her particular work.
1. Specifications:
 - a. Division 0 – Procurement and Contracting Requirement, all Sections.
 - b. Division 1 – General Requirements all Sections, including Temporary Facilities indicated.
 - c. Division 2, 3, 5 & 9 – Section 02 41 19, Selective Structure Demolition, Section 03 30 00, Cast-in-Place Concrete, Section 05 50 00, Metal Fabrications and Section 09 91 00, Painting as they relate to cutting and patching.
 - d. Division 7 – Section 07 84 13, Penetration Firestopping and Section 07 92 00, Joint Sealants as required for the Work of this Contract.
 - e. Division 22 – Plumbing, all Sections.

1.13 CONTRACT 5 - HEATING, VENTILATING, & AIR CONDITIONING WORK CONTRACT

- A. This prime contract is defined as, and includes, Drawings and Specifications as indicated by reference, and any other construction operations traditionally recognized as heating, ventilating and cooling work. This includes but is not limited to, all work shown on the “M” and “MD” Drawings.
1. Coordination:
 - a. Coordination with the work of all of the other contractors.
 2. Demolition
 - a. Provide demolition of all HVAC equipment and piping as shown and as required at the existing building including in crawl spaces and pipe tunnels. See construction documents for extent of work.
 - b. Remove and properly dispose of air dampers, actuators and control tubing shown to be removed.
 - c. All cutting and patching necessary for work of this contract, including layout, sleeves, coring, debris removal, saw cuts, lintels (furnish and install), drywall work, plaster work, grouting, painting, ceiling removal and replacement, etc.
 3. Temporary Facilities
 - a. Provide Temporary Facilities indicated as Work of this Contract in Division 1 Section 01 50 00, “Temporary Facilities and Controls.”
 4. Construction:
 - a. **In existing construction**, each Prime Contractor is to provide their own rough opening in walls, and floors including lintels and any required structural framing for penetrations as part of their own Prime Contract. All lintels and / or framing are to be sized in accordance with the lintel schedules and standard details within the contract documents unless specifically shown to be under the General Construction Contract. Installation is to be performed by a mechanic qualified and experienced with the materials and finishes being altered or installed. Submit to the Construction Manager the name and qualification of the subcontractor performing the installation prior to starting the work.
 - b. The General Construction Work Contract shall perform all necessary trenching and excavation, backfilling, and compaction and field required concrete for all other primes within the delineated General Construction Work area unless noted otherwise.
 - c. Curbs, RTUs Split-System’s and accessories.
 - d. RTU’s will be hoisted onto the roof by HVAC contract.
 - e. Assemble roof curbs, set in place, anchor and flash to roof structure.
 - f. Roof flashing for HS RTU’s will be by HVAC Contract.
 - g. Supply and install galvanized supply and return curb transitions.
 - h. Supply and install all interior and exterior ductwork, registers and diffusers.
 - i. Install RTUs onto curbs and weather-tight.
 - j. Install all RTU accessories, including filters.
 - k. Install thermostats and make connections at RTUs and thermostats.

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- l. Program thermostats for heat, cooling and occupied & unoccupied times.
 - m. Start up and test RTUs, Split system for heat, cooling and fresh air.
 - n. Adjust all volume dampers and diffusers to provide proper air flow.
 - o. Make all ductwork connections for fans.
 - p. Install Wall mounted ac/ heaters.
 - q. Install all control components into air and hydronic systems as required maintaining the integrity of the system:
 - 1) Install motor actuated dampers.
 - 2) Install airflow measuring stations.
 - 3) Install airside temperature and pressure sensors.
 - 4) Install hydronic control valves.
 - 5) Install hydronic temperature and pressure sensor wells.
 - 6) Provide personnel to assist with commissioning work of the EMCS as required for controls of the work of this contract. Testing, Adjusting and Balancing for HVAC.
 - r. Provide contractor filters, final replacement filters and final duct cleaning.
 - s. Provide and install all insulation, painting and labeling of new and modified piping, ductwork and equipment.
 - t. All fees required for inspections and permits.
 - u. Provide support framing for HVAC equipment, i.e. mechanical equipment curbs.
 - v. Furnish access doors for HVAC access (to be installed by GC)
 - w. Provide firestopping and sealing at all HVAC penetrations
 - x. Furnish motor controllers/disconnects to Electrical Contract for installation and wiring.
 - y. Provide the necessary layout for all roofing penetrations to the General Work Contractor for any required structural steel supports.
 - z. Provide owner training / commissioning of equipment.
5. Provide multiple shift work as needed to complete work as shown on milestone schedule. Schedule shows a significant amount of work to be performed second shift.
- B. The Work of the HVAC 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 documents. The Contractor is directed to examine **ALL** drawings and specifications since certain details and/or notes may appear anywhere therein that apply to his/her particular work.

1. Specifications:

- a. Division 0 –Procurement and Contracting Requirement, all Sections.
- b. Division 1 –General Requirements all Sections, including Temporary Facilities indicated
- c. Division 2, 3, 5 & 9 – Section 02 41 19, Selective Structure Demolition, Section 03 30 00, Cast-in-Place Concrete, Section 05 50 00, Metal Fabrications and Section 09 91 00, Painting as they relate to cutting and patching.
- d. Division 7 –Section 07 84 13, Penetration Firestopping and Section 07 92 00, Joint Sealants, as required for the Work of this Contract.
- e. Division 23 – HVAC, all Sections

1.14 ADDITIONAL SCOPING

- A. Definition of Extent of Prime Contract Work; Additional Prime Contract Work not previously described
1. 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.
 2. 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.
 3. 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.
 4. 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

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- 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.
5. All Contractors are responsible for 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.
 6. Multiple Crews: To maintain the project schedule, each Prime Contractor is to provide multiple crews. Each crew is to be furnished with its own supervision, cranes, scaffold and other means necessary to maintain the Project Schedule.
 7. 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 Managers 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.
 8. When selective demolition or cutting and patching (all demolition necessary for work of their contract, including layout, sleeves, coring, debris removal, sawcuts, drywall work, plaster work, grouting, painting, ceiling removal, etc) is required solely by another prime contract to perform their work it shall be by the Prime Contractor requiring the work to achieve the result indicated.
 9. Each prime contractor shall return areas disturbed by their work activities to condition prior to start of work.
 10. 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.
 11. 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.
 12. The General Construction Work Contract and Site Construction Work Contract is required to submit a construction and submittal 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.
 13. 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. 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. Material having salvage value shall be carefully removed.
 14. 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.
 15. The Site Construction Work Contract will be responsible for de-watering all excavations pertaining to their scope of work for the duration that the excavations remain open.
 16. All personnel required to be on site shall at all times have all required personnel protective equipment on at all times.
 17. 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.

1.15 TESTING

- A. Required testing and test procedures are indicated under each Division of the Technical Specifications. Other testing shall be performed per generally accepted standards.
- B. The Architect shall reserve the right to require additional information as is deemed necessary to fully evaluate testing results.

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- C. 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 twenty-four 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.

1.16 WORK SEQUENCE

- A. The Work will be conducted to provide the least possible interference to the activities of the Owner's personnel.
- B. 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. Please see schedule for scheduled second shift work. Work cannot be performed in occupied areas. 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. 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.
- C. 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.
- D. 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.
- E. 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".

1.17 PROJECT MILESTONE SCHEDULE

- A. See the milestone schedule to be distributed via addendum.
- B. 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.

1.18 ALLOWANCES

- A. See Specification Section 01 2100. Allowances are to be included in the base bid.

1.19 ALTERNATES

- A. 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 2300 - Alternates.

END OF SECTION 01 1200