

## PART 1 - GENERAL

## 1.01 BRIEF PURPOSE OF PROJECT / GENERAL

- A. The purpose of the project is for a new 48,600 SqFt two (2) story w./ partial basement) and pedestrian bridge connection to the existing High School 'A' Wing. Work includes a classroom renovation to the existing building to accept the new Student Enterprise space.
- B. This Section provides an abbreviated summary of the work for the Construction Contracts associated with the Owner's program to construct the project.
- C. Each Contractor has been provided with copies of all relevant construction drawings for related construction contracts whose work may directly effect and impact the work under this Contract.
  - 1. Each Contractor shall provide a complete and operational project in anticipation of these affects and impacts.
  - 2. It is each Contractor's responsibility to investigate the work that will be performed by others and consider such in the conduct of his/her work.
- D. In the event that any of the provisions in the technical specifications conflicts with the general conditions, the provision more favorable to the owner, as determined by the owner in its sole discretion, shall govern.

## 1.02 NOMENCLATURE

- A. Where the terms "Engineer/Architect", "Architect/Engineer", "Engineer", or "Architect" are used throughout these Contract Documents, they shall mean the firm of H2M architects + engineers as may be abbreviated by H2M or H2M Group.
- B. The terms "Contractor" and/or "Prime Contractor" where used shall refer to the individual or company who has entered into an agreement with the Owner to perform the work contained within these Contract Documents. The lack of word capitalization shall be incidental.
- C. The terms "Contractor" and/or "Prime Contractor" where used within the body of a specific Construction Contract, (i.e.; Contract M, Contract G, Contract E, Contract P, and Contract C), shall refer to the individual or company who has entered into an agreement with the Owner to perform the work contained within those Contract Documents. The lack of word capitalization shall be incidental.
- D. The General Construction Contractor may be referred to as the "General Contractor", "Prime General Contractor", "Contract G Contractor" or similar wording. The lack of word capitalization shall be incidental. This Construction Contract shall be known as Contract G.
- E. The Electrical Construction Contractor may be referred to as the "Electrical Contractor", "Prime Electrical Contractor", "Contract E Contractor" or similar wording. The lack of word capitalization shall be incidental. This Construction Contract shall be known as Contract E.
- F. The Heating, Ventilating & Air Conditioning Construction Contractor may be referred to as the "HVAC Contractor", "Prime HVAC Contractor", "Contract M Contractor" or similar wording. The lack of word capitalization shall be incidental. This Construction Contract shall be known as Contract M.
- G. The Plumbing Construction Contractor may be referred to as the "Plumbing Contractor", "Prime Plumbing Contractor", "Contract P Contractor" or similar wording. The lack of word capitalization shall be incidental. This Construction Contract shall be known as Contract P.

- H. The SITE WORK Construction Contractor may be referred to as the "Site Work Contractor", "Prime Site Work Contractor", "Contract C Contractor" or similar wording. The lack of word capitalization shall be incidental. This Construction Contract shall be known as Contract C.
- I. Where the terms "Owner" or "Owner's Construction Representative" are used, they will be defined as a person selected by the Owner, or the actual Owner, White Plains City School District.

#### 1.03 ABBREVIATED SUMMARY OF CONTRACT G WORK

- A. Furnish all labor, equipment, materials, tools, means, methods, and incidentals necessary to complete the Work as required by the Contract Documents for this Construction Contract. Each contractor shall coordinate, through the Owner/Architect/Engineer, the work of their contract with the work by others.
- B. This following abbreviated summary is provided in order to briefly describe the work covered by the Contract Documents for this Construction Contract. It is not all inclusive of the work under the Contract.
- C. The work includes, but is not limited to, the following:
  - 1. New 48,600 SqFt two (2) story w./ partial basement) and pedestrian bridge connection to the existing High School 'A' Wing. Work includes a classroom renovation to the existing building to accept the new Student Enterprise space
  - 2. Demolition and removals as shown,
  - 3. Excavation, removal of excess and/or unsuitable excavated material, sheeting reinforcement, import of suitable material, soil compaction and testing.
  - 4. Construction of new building, including: all concrete footings/foundations/walls, concrete reinforcement, penetrations, structural steel, masonry, light-gauge, drywall, trusses, framing, roofing, windows, doors, louvers, grating, stairs, siding, finishes, etc.
  - 5. Surface preparation and coating of structural steel, walls, and other items as noted.
  - 6. Install epoxy floor coating system.
  - 7. Project closeout submittals.
- D. All other work shown and specified within the Contract Documents for Contract G.

#### 1.04 ABBREVIATED SUMMARY OF CONTRACT E WORK

- A. Furnish all labor, equipment, materials, tools, means, methods, and incidentals necessary to complete the Work as required by the Contract Documents for this Construction Contract. Each Contractor shall coordinate, through the Owner/Architect/Engineer, the work of their contract with the work by others.
- B. This following abbreviated summary is provided in order to briefly describe the work covered by the Contract Documents for this Construction Contract. It is not all inclusive of the work under the Contract.
- C. The work includes, but is not limited to, the following:
  - 1. Provide, install, maintain, and repair, if necessary, temporary power and light throughout the site and to the Owner/Architect/Engineer's field office. Temporary power shall be provided at location(s) selected by the Architect/Engineer based on input by the General Contractor.
  - 2. Arrange for and install primary electric service.
  - 3. Main secondary feeders, power distribution, and instrumentation control wiring. Provide, mount, and install electrical conduit, wire, fittings, boxes, panels, and electrical accessories.

4. All clearing, excavation, filling, and backfilling associated with the installation of underground conduit, duct bank, or wiring.
5. Emergency generators including the construction of its concrete slab.
6. Motor control centers, local control stations, transfer switches, power distribution panels, breakers, lights, and switches.
7. Furnish, install and power primary flow elements, transmitters, flow recorders and install interconnecting wiring where said devices are to be provided as work of Contract E. Install and power primary flow elements, transmitters, flow recorders and install interconnecting wiring where said devices are to be provided as work of other contracts.
8. Setting of electrical sleeves and/or embedded conduit in all concrete construction. All conduit for new construction shall be embedded in concrete slabs, decks, or walls.
9. Electrical connections (final termination) to all equipment, control panels, ventilating equipment and electrical devices.
10. Startup participation for the various equipment and systems of the project and provide complete service to troubleshoot and assist manufacturer service representatives in obtaining a completely functional installation.
11. Removal of existing components as noted.
12. New secondary feeders, power distribution, and instrumentation control wiring. New electrical conduit, wire, fittings, boxes, panels, and electrical accessories.
13. New lighting fixtures, wiring and associated equipment.
14. Furnish, install and power primary flow elements, transmitters, flow recorders and install interconnecting wiring where said devices are to be provided as work of Contract E. Install and power primary flow elements, transmitters, flow recorders and install interconnecting wiring where said devices are to be provided as work of other contracts.
15. All excavation, trenching, backfilling, and rough grading associated with the installation of pull-boxes, underground conduit, and wiring. Final restoration by Contract C.
16. Final electrical terminations to all control panels, pumping equipment, blowers, HVAC equipment, etc.
17. Wiring connections to all electrical equipment (including equipment furnished by others).
18. Testing, programming and adjusting of all electrical systems.
19. Startup participation for the various equipment and systems of the project. Provide complete service to troubleshoot and assist manufacturer service representatives in obtaining a completely functional installation. Provide systems and equipment training for Owner personnel.
20. Project closeout submittals.

D. All other work shown and specified in the Contract Documents for Contract E.

#### 1.05 ABBREVIATED SUMMARY OF CONTRACT M WORK

- A. Furnish all labor, equipment, materials, tools, means, methods, and incidentals necessary to complete the Work as required by the Contract Documents for this Construction Contract. Each contractor shall coordinate, through the Owner/Architect/Engineer, the work of their contract with the work by others.
- B. This following abbreviated summary is provided in order to briefly describe the work covered by the Contract Documents for this Construction Contract. It is not all inclusive of the work under the Contract.
- C. The work includes, but is not limited to, the following:
  1. Startup participation for the various equipment and systems of the project and provide complete service to troubleshoot and assist manufacturer service representatives in obtaining a completely functional installation.
  2. New electric unit heaters.
  3. New gas-fired unit heaters.

4. New hydronic unit heaters and associated piping.
5. New exhaust fans, supports, and associated equipment.
6. New grilles, registers, duct work, supports and accessories.
7. Furnish louvers and coordinate location for Contract G to install.
8. New air conditioning system.
9. Testing and balancing of systems.
10. Project closeout submittals.

D. All other work shown and specified in the Contract Documents for Contract H.

#### 1.06 ABBREVIATED SUMMARY OF CONTRACT P WORK

- A. Furnish all labor, equipment, materials, tools, means, methods, and incidentals necessary to complete the Work as required by the Contract Documents for this Construction Contract. Each contractor shall coordinate, through the Owner/Architect/Engineer, the work of their contract with the work by others.
- B. This following abbreviated summary is provided in order to briefly describe the work covered by the Contract Documents for this Construction Contract. It is not all inclusive of the work under the Contract.
- C. The work includes, but is not limited to, the following:
1. Startup participation for the various equipment and systems of the project and provide complete service to troubleshoot and assist manufacturer service representatives in obtaining a completely functional installation.
  2. Removal of existing buried piping (water main, blow off lines, drainage lines) as noted.
  3. Removal of existing interior piping, valves, and mechanical equipment, as noted.
  4. New natural gas piping, equipment, and meter. Coordination with local utility.
  5. New interior large mechanical piping, valves, and accessories.
  6. New buried site piping, valves, and accessories.
  7. New penetration sleeves, placement to be coordinated with Contract G.
  8. New pumps, motors, and accessories.
  9. Surface preparation and coating of all mechanical piping.
  10. New water service lines.
  11. New sump pumps, drainage piping, valves, and accessories.
  12. Testing and adjusting of mechanical systems.
  13. Disinfection and water quality testing.
  14. Startup participation for the various equipment and systems of the project. Provide complete services to troubleshoot and assist manufacturer service representatives in obtaining a completely functional installation. Provide systems and equipment training for Owner personnel.
  15. Project closeout submittals.
- D. All other work shown and specified in the Contract Documents for Contract P.

#### 1.07 ABBREVIATED SUMMARY OF CONTRACT C WORK

- A. Furnish all labor, equipment, materials, tools, means, methods, and incidentals necessary to complete the Work as required by the Contract Documents for this Construction Contract. Each contractor shall coordinate, through the Owner/Architect/Engineer, the work of their contract with the work by others.
- B. This following abbreviated summary is provided in order to briefly describe the work covered by the Contract Documents for this Construction Contract. It is not all inclusive of the work under the Contract.

- C. The work includes, but is not limited to, the following:
  - 1. Excavation, trenching, backfill, re-grading, seeding, sidewalk, asphalt paving, bollards, light poles, ramps, railings, fencing, etc.
  - 2. New sewer manhole structure, sewer connection and associated work, to be coordinated with Contract P.
  - 3. Project closeout submittals.
- D. All other work shown and specified in the Contract Documents for Contract C.

#### 1.08 PARTIAL LISTING OF SPECIFIC CONTRACT REQUIREMENTS

- A. The Contract Documents detail the work included in the Contract. Related requirements and conditions covered by the Contract Documents include, but are not limited to, the following:
  - 1. The contractor shall adhere to all New York State Education Department requirements, including but not limited to NYCRR, Title 8, Chapter 2, Part 155.5 - Uniform Safety Standards for School Construction and Maintenance
  - 2. Adherence to work restrictions as specified in Section 012100. Such restrictions include, but are not limited to:
    - a. Guidelines and requirements of the "Owner"
  - 3. The General Contractor shall comply with the requirements of Section 312333 - Trenching. The cost associated with test holes and utility mapping shall be as specified therein, and is subject to change based on conditions existing at the time of construction.
  - 4. Guidelines and requirements of the New York State Department of Environmental Conservation (NYSDEC).
  - 5. Guidelines and requirements of the local Health Department.
  - 6. Local gas utility requirements for new services, connections, alterations and related work.
  - 7. The contractor shall adhere to all New York State Education Department requirements, including but not limited to NYCRR, Title 8, Chapter 2, Part 155.5 - Uniform Safety Standards for School Construction and Maintenance.

#### 1.09 PARTIAL LISTING OF OVERALL CONTRACT REQUIREMENTS

- A. The Contract Documents detail the work included in the Contract. Related requirements and conditions covered by the Contract Documents include, but is not limited to, the following:
  - 1. Debris removal and daily and final cleaning up.
  - 2. Coordination with the Owner and other contractors who have been awarded work by the Owner.
  - 3. Coordination with utility companies necessary to schedule connection of services, and management of the installation.
  - 4. Site utilization and management so as not to disrupt the Owner's ability to operate the existing facilities in a safe and efficient manner.
  - 5. Maintain the Owner's ability to operate the facility at all times during the construction period.
  - 6. Facilities to be used during the contract period that are to be used by the Owner or his representatives and others involved with constructing the project.
  - 7. Product and equipment storage and handling requirements.
  - 8. Starting and adjusting of the equipment and systems required under the project.
  - 9. Site safety in accordance with all applicable federal, state, and local regulations.
  - 10. Project submittals, testing services, work plans, schedules, shop drawings, closeout procedures and documents, manuals, as-built drawings, final commissioning, of the work shall be provided as required by the Contract.
  - 11. Provide and maintain, at all times, temporary roadways for site access to all parties involved with the project.

12. Sequence and schedule the construction so that new facilities come on-line before pre-existing facilities are demolished, dismantled or taken offline.
  13. Temporary facilities and controls necessary to construct the project and to maintain permit levels of sewage treatment at all time.
  14. Site utilization and management so as to allow other prime contractors to perform work in conjunction with this project and to afford them equal opportunity and space to complete their contractual obligations with the Owner as solely defined by the Architect/Engineer.
  15. To not hinder the Owner's ability to deliver a safe and potable water supply.
  16. To not hinder the Owner's ability to maintain permit levels of sewage treatment at all times.
- B. Each Contractor shall coordinate the work between the various construction contracts, through the Owner/Architect/Engineer, as required to complete the contract requirements in accordance with the requirements contained in Section 013100.

#### 1.10 OWNER SUPPLIED PRODUCTS AND UTILITIES

- A. The Owner will not be supplying equipment, labor, or tools for the project.
- B. The Owner will be supplying products or materials for the project as follows:
1. Products shown on the Drawings or specified elsewhere.
- C. The Owner will pay for electricity usage. The restrictions on electrical usage shall be as follows:
1. Power tool usage during specified working hours will only be permitted.
  2. Dewatering and trash pumps and portable heaters will not be permitted.
  3. Power to help cure concrete or painting systems will not be permitted.

#### 1.11 EXISTING CONDITIONS

- A. The Drawings show certain information that has been obtained by the Owner regarding various conditions that exist at the location of the project both below and at grade.
- B. The Owner and the Architect/Engineer expressly disclaims all responsibility for the accuracy or completeness of the information given on the Drawings with regard to existing facilities.
- C. In the case where the Contractor discovers an obstruction not indicated on the Drawings or not described via specification reference, then the Contractor shall immediately notify the Architect/Engineer of the obstructions' existence.
- D. The Architect/Engineer will determine if the obstruction is to be relocated or removed.
- E. Compensation for this extra work will be paid for in accordance with the provisions in the Contract for "Extra Work".

#### PART 2 - PRODUCTS

NOT USED

#### PART 3 - EXECUTION

NOT USED

#### END OF SECTION 011100