

TOWN OF GLASTONBURY
GL-2021-05
GLASTONBURY HIGH SCHOOL ATHLETICS FACILITY
ADDENDUM NO. 1
December 4, 2020

Bid Due Date: 12-22-2020 @ 11:00 A.M.

The attention of bidders submitting proposals for the above-referenced project is called to the following Addendum to the contract documents. The items set forth herein, whether of omission, addition, substitution or other change, are all to be included in and form a part of the proposed Contract Documents for the work. Bidders shall acknowledge this Addendum on the **Bid Form (ATTACHMENT 1)**.

A. Instructions to Bidders Clarifications/Revisions:

- a. See attached list of attendees for the pre-bid meeting for reference.

B. RFI Questions and Answers:

Question 1: *The specification Section 012300 (Alternates) list only Alternate 1 however, the Bid Form requires four alternates to be provided. Please verify the number of alternates required and provide a narrative as to what shall be included in the alternates.*

Answer: There are four (4) Alternates required. Please disregard Alternates sections issued previously and refer to section 012300 Alternates included with this Addendum for the correct number and description of the Alternates.

Question 2: *The specification Section 024116 (Structure Demolition) as well as Drawing AD-101 seem to state that abatement will be a part of this contract but paragraph 1.8, B1 states that abatement will be performed by the owner. Please clarify if the contractor will be responsible for the required abatement or will the owner be responsible for the abatement. In addition, if the contractor will be responsible for this work, please provide a copy of the hazardous material survey.*

Answer: All abatement will be performed by the Owner. The contractor will only be responsible for any coordination required with the Owner's abatement contractor. Note 10 on drawing AD-101 has been revised as listed in the drawing revisions in this addendum.

Question 3: *Resilient Base Type B2 is shown on the First Floor Finish Plans however, there is no product shown for Base Type B2. Please clarify the required product.*

Answer: Base Type B shall be 8" Fiber Cement, as described in the drawing revisions to sheet A-902 listed in this addendum.

Question 4: *Alternate #4 is for an FF&E package. Spec Section 01 2300 directs the bidder to drawing A-901 and spec section 10 5116 for the lockers, as well as 11 7900 and 12 5000. Neither the drawing nor spec sections exist in the documents. Please advise.*

Answer: Drawing A-901 shall contain FF&E layout and specifications and will be issued in Addendum #2.

Question 5: *How large is the existing oil tank? Does it contain oil? If so, how much and do we need to pump it prior to removal? What if we find contaminated soil during removal? Please advise.*

Answer: Removal of the existing oil tank shall be by the Owner.

Question 6: *The specs call for an elaborate field office complete with furniture, private bathroom, sanitary & water services, computer & printer, telephone & Wi-Fi, etc. Is all this required or can the contractor utilize a different temporary office that suits their needs? Please advise.*

Answer: The contractor should plan to utilize a temporary office that suits their needs. The specification for the field office has been revised as described below.

Question 7: *The ITB says that bid bonds are to be attached to the bid and it must be delivered to the town of Glastonbury as well. Please confirm 2 submissions are required.*

Answer: The ITB states that each bid must be accompanied by a COPY of the bid bond. Original Bonds are required to be submitted as directed in the ITB.

C. Specification Clarifications/ Revisions:

1. SECTION 000110 - TABLE OF CONTENTS

DIVISION 31 – EARTHWORK

~~DELETED~~ Section 31 2313 Preparation of Subgrade and Fine Grade

ADDED the following sections:

31 2313 Preparation of Subgrade

31 2315 Fine Grade

2. SECTION 012300 – ALTERNATES

2.1 SCHEDULE OF ALTERNATES

Alternate No. 3: Site Work:

ADDED the following line item:

1. Section 024113 – Utility Demolition and Abandonment

REVISED item 3 to **DELETE** “and Fine Grade” to read as follows:

3. Section 31 2313 – Preparation of Subgrade

DELETED the following line item:

5. Section 32 1216 – Bituminous Concrete Pavement

3. SECTION 015000 – TEMPORARY FACILITIES AND CONTROLS

2.1 TEMPORARY FACILITIES

REVISED Paragraph B to read as follows:

- B. Common-Use Field Office: Of sufficient size to accommodate needs of Owner, Architect, and construction personnel office activities and to accommodate Project meetings specified in other Division 01 Sections. Keep office clean and orderly.**

4. SECTION 074646 – FIBER-CEMENT SIDING

1.1 SUMMARY

REVISED Paragraph A to read as follows:

- A. Section includes fiber-cement trim and interior fiber-cement base.**

2.1 FIBER CEMENT SIDING

REVISED Paragraph D to read as follows:

- B. Trim and Base: Boards 7-1/4 to 7-1/2 inches (184 to 190 mm) wide in plain style.**

5. SECTION 096513 – RESILIENT BASE AND ACCESSORIES

2.1 THERMOSET RUBBER BASE

REVISED Paragraph E to read as follows:

- E. Coils in manufacturer’s standard lengths.**

6. DELETED SECTION 31 2313 – PREPARATION OF SUBGRADE AND FINE GRADE

7. ADDED SECTION 31 2313 – PREPARATION OF SUBGRADE

8. ADDED SECTION 31 2315 – PREPARATION OF FINE GRADE

D. Drawing Clarifications/ Revisions:

Item No.	Drawing	Detail	Revision Description
Item #1	AD-101	Demolition Notes	ADDED the following to Demolition Note #10: <i>All hazardous material abatement shall be by the Owner. Contractor shall coordinate demolition as required with the Owner's Abatement Contractor.</i>
Item #2	A-902	1	REVISED the following rooms from Base Type B1 to Base Type B2: Vestibule 08, Ind. 11, Vestibule 12, Vestibule 19, Ind. 22, Vestibule 23, Vestibule 28, Ind. 31, Vestibule 32.
Item #3	A-902	1	REVISED the following rooms from Base Type B2 to Base Type B1: Storage 16, Electrical 17.
Item #4	A-902	1	REVISED Storage 36 to show CS1, P3 and B1 finishes.
Item #5	A-902	Finish Plan Schedule	ADDED Base Type B2 as follows: <i>Product: 8" Fiber Cement Base on 6" Cement Board, see details 1,3,4 on A-601. Finish: Painted. Color: Architect to select from full range.</i>

END OF ADDENDUM NO. 1

Note: This addendum consists of 27 pages, including the above text.

TOWN OF GLASTONBURY
 GLASTONBURY HIGH SCHOOL - ATHLETICS FACILITY
 BID # GL-2021-05

DECEMBER 01, 2020 - 10:00 A.M.

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TOWN OF GLASTONBURY
 GLASTONBURY HIGH SCHOOL - ATHLETICS FACILITY

BID # GL-2021-05
 DECEMBER 01, 2020 - 10:00 A.M.

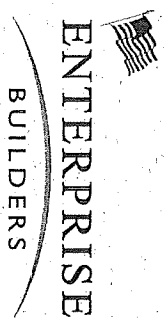
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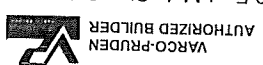
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SECTION 01 2300 - ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

1.2 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.3 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other work of the Contract.
- C. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - EXECUTION

2.1 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: Entryway Roof: Provide connector "breezeway" roof between Public Bathroom Building and Locker Room Building as indicated on A-301 Alternate #1 Roof Connector. Alternate includes new roof structure, asphalt shingle roof assembly, gutter and fascia assembly, exterior ceiling assembly and lighting.

- B. Alternate No. 2: Existing Building Demolition: Demolish existing building as indicated on AD-101. Demolition includes all removal to complete the work, including exterior wall, roof, foundation and slab construction. Removal includes demolition of adjacent site items as indicated on AD-101 and salvage of existing signage and donor bricks.
- C. Alternate No. 3: Site Work: Furnish and Install site work as indicated on C-1.0 – C-6.2 relating to the following specifications sections:
1. **Section 02 4113 – Utility Demolition and Abandonment**
 2. Section 31 2310 - Earthwork
 3. Section 31 2313 - Preparation of Subgrade ~~and Fine Grade~~
 4. Section 31 2316 - Excavation for Utilities
 5. ~~Section 32 1216 – Bituminous Concrete Pavement~~
 6. Section 32 1723 - Pavement Markings
 7. Section 32 3100 - Sanitary Sewer System
 8. Section 32 4000 - Storm Drainage System
- D. Alternate No. 4: Furnish and Install lockers, benches, and training room equipment: Furnish and install all lockers and benches as shown on A-901 and as specified in 10 5116. Furnish and install all training room furniture and equipment, including treatment tables, storage cabinets shelving units, hydrocollator and ice machine as shown on A-901 and as specified in 11 7900 and 12 5000

END OF SECTION 01 2300

SECTION 01 5000 - TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes requirements for temporary utilities, support facilities, and security and protection facilities.
- B. Related Requirements:
 - 1. Section 01 1000 "Summary" for work restrictions and limitations on utility interruptions.

1.2 USE CHARGES

- A. General: Installation and removal of and use charges for temporary facilities shall be included in the Contract Sum unless otherwise indicated. Allow other entities engaged in the Project to use temporary services and facilities without cost, including, but not limited to, Architect, testing agencies, and authorities having jurisdiction.
- B. Water and Sewer Service from Existing System: Water from Owner's existing water system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.
- C. Electric Power Service from Existing System: Electric power from Owner's existing system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.

1.3 INFORMATIONAL SUBMITTALS

- A. Site Utilization Plan: Show temporary facilities, temporary utility lines and connections, staging areas, construction site entrances, vehicle circulation, and parking areas for construction personnel.
- B. Project Identification and Temporary Signs: Show fabrication and installation details, including plans, elevations, details, layouts, typestyles, graphic elements, and message content.
- C. Fire-Safety Program: Show compliance with requirements of NFPA 241 and authorities having jurisdiction. Indicate Contractor personnel responsible for management of fire-prevention program.
- D. Dust- and HVAC-Control Plan: Submit coordination drawing and narrative that indicates the dust- and HVAC-control measures proposed for use, proposed locations, and proposed time frame for their operation. Include the following:
 - 1. Locations of dust-control partitions at each phase of work.
 - 2. HVAC system isolation schematic drawing.
 - 3. Location of proposed air-filtration system discharge.

4. Waste-handling procedures.
5. Other dust-control measures.

1.4 QUALITY ASSURANCE

- A. Electric Service: Comply with NECA, NEMA, and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.
- B. Tests and Inspections: Arrange for authorities having jurisdiction to test and inspect each temporary utility before use. Obtain required certifications and permits.
- C. Accessible Temporary Egress: Comply with applicable provisions in the United States Access Board's ADA-ABA Accessibility Guidelines and ICC/ANSI A117.1.

1.5 PROJECT CONDITIONS

- A. Temporary Use of Permanent Facilities: Engage Installer of each permanent service to assume responsibility for operation, maintenance, and protection of each permanent service during its use as a construction facility before Owner's acceptance, regardless of previously assigned responsibilities.

PART 2 - PRODUCTS

2.1 TEMPORARY FACILITIES

- A. Field Offices, General: Prefabricated or mobile units with serviceable finishes, temperature controls, and foundations adequate for normal loading.
- ~~B. Common-Use Field Office: Of sufficient size to accommodate needs of Owner, Architect, and construction personnel office activities and to accommodate Project meetings specified in other Division 01 Sections. Keep office clean and orderly. Furnish and equip offices as follows:
 - ~~1. Furniture required for Project site documents including file cabinets, plan tables, plan racks, and bookcases.~~
 - ~~2. Drinking water and private toilet.~~
 - ~~3. Heating and cooling equipment necessary to maintain a uniform indoor temperature of 68 to 72 deg F (20 to 22 deg C).~~
 - ~~4. Lighting fixtures capable of maintaining average illumination of 20 fc (215 lx) at desk height.~~~~

2.2 EQUIPMENT

- A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.
- B. HVAC Equipment:

1. Use of gasoline-burning space heaters, open-flame heaters, or salamander-type heating units is prohibited.
 2. Permanent HVAC System: If Owner authorizes use of permanent HVAC system for temporary use during construction, provide filter with MERV of 8 at each return-air grille in system and remove at end of construction and clean HVAC system as required in Section 017700 "Closeout Procedures."
- C. Air-Filtration Units: Primary and secondary HEPA-filter-equipped portable units with four-stage filtration. Provide single switch for emergency shutoff. Configure to run continuously.

PART 3 - EXECUTION

3.1 TEMPORARY FACILITIES, GENERAL

- A. Conservation: Coordinate construction and use of temporary facilities with consideration given to conservation of energy, water, and materials. Coordinate use of temporary utilities to minimize waste.
1. Salvage materials and equipment involved in performance of, but not actually incorporated into, the Work. See other Sections for disposition of salvaged materials that are designated as Owner's property.

3.2 INSTALLATION, GENERAL

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
- B. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

3.3 TEMPORARY UTILITY INSTALLATION

- A. General: Install temporary service or connect to existing service.
1. Arrange with utility company, Owner, and existing users for time when service can be interrupted, if necessary, to make connections for temporary services.
- B. Sewers and Drainage: Provide temporary utilities to remove effluent lawfully.
1. Connect temporary sewers to municipal system as directed by authorities having jurisdiction.
- C. Water Service: Install water service and distribution piping in sizes and pressures adequate for construction.
- D. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.

- E. Temporary Heating and Cooling: Provide temporary heating and cooling required by construction activities for curing or drying of completed installations or for protecting installed construction from adverse effects of low temperatures or high humidity. Select equipment that will not have a harmful effect on completed installations or elements being installed.
 - 1. Provide temporary dehumidification systems when required to reduce ambient and substrate moisture levels to level required to allow installation or application of finishes and their proper curing or drying.
- F. Isolation of Work Areas in Occupied Facilities: Prevent dust, fumes, and odors from entering occupied areas.
- G. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations, observations, inspections, and traffic conditions.
 - 1. Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.
- H. Telephone Service: Provide temporary telephone service in common-use facilities for use by all construction personnel. Install WiFi cell phone access equipment and one land-based telephone line(s) for each field office.
- I. Electronic Communication Service: Provide a desktop computer in the primary field office adequate for use by Architect and Owner to access Project electronic documents and maintain electronic communications. Equip computer with not less than the following:
 - 1. Processor: Intel Core i5 or i7.
 - 2. Memory: 4 gigabyte.
 - 3. Disk Storage: 500 gigabyte hard-disk drive and combination DVD-RW/CD-RW drive.
 - 4. Display: 24-inch (610-mm) LCD monitor with 256-Mb dedicated video RAM.
 - 5. Full-size keyboard and mouse.
 - 6. Network Connectivity: Gigabit.
 - 7. Operating System: Microsoft Windows 7 Professional.
 - 8. Productivity Software:
 - a. Microsoft Office Professional, 2010 or higher, including Word, Excel, and Outlook.
 - b. Adobe Reader 11.0 or higher.
 - c. WinZip 7.0 or higher.
 - 9. Printer: "All-in-one" unit equipped with printer server, combining color printing, photocopying, scanning, and faxing, or separate units for each of these three functions.
 - 10. Internet Service: Broadband modem, router and ISP, equipped with hardware firewall, providing minimum 1.0 Mbps upload and 15 Mbps download speeds at each computer.
 - 11. Internet Security: Integrated software, providing software firewall, virus, spyware, phishing, and spam protection in a combined application.
 - 12. Backup: External hard drive, minimum 2 terrabyte, with automated backup software providing daily backups.

3.4 SUPPORT FACILITIES INSTALLATION

- A. General: Comply with the following:

1. Provide construction for temporary offices, shops, and sheds located within construction area or within 30 feet (9 m) of building lines that is noncombustible according to ASTM E 136. Comply with NFPA 241.
 2. Maintain support facilities until Architect schedules Substantial Completion inspection. Remove before Substantial Completion. Personnel remaining after Substantial Completion will be permitted to use permanent facilities, under conditions acceptable to Owner.
- B. Traffic Controls: Comply with requirements of authorities having jurisdiction.
1. Protect existing site elements to remain including curbs, pavement, and utilities.
 2. Maintain access for fire-fighting equipment and access to fire hydrants.
- C. Parking: Use designated areas of Owner's existing parking areas for construction personnel.
- D. Project Signs: Provide Project signs as indicated. Unauthorized signs are not permitted.
1. Temporary Signs: Provide signs as required to inform public and individuals seeking entrance to Project.
 - a. Provide temporary, directional signs for construction personnel and visitors.
- E. Waste Disposal Facilities: Comply with requirements specified in Section 017419 "Construction Waste Management and Disposal."
- F. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction. Comply with progress cleaning requirements in Section 017300 "Execution."
- G. Lifts and Hoists: Provide facilities necessary for hoisting materials and personnel.
1. Truck cranes and similar devices used for hoisting materials are considered "tools and equipment" and not temporary facilities.
- 3.5 SECURITY AND PROTECTION FACILITIES INSTALLATION
- A. Protection of Existing Facilities: Protect existing vegetation, equipment, structures, utilities, and other elements at Project site and on adjacent properties, except those indicated to be removed or altered. Repair damage to existing facilities.
- B. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction as required to comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- C. Temporary Erosion and Sedimentation Control: Provide measures to prevent soil erosion and discharge of soil-bearing water runoff and airborne dust to undisturbed areas and to adjacent properties and walkways, according to requirements of EPA Construction General Permit or authorities having jurisdiction.
- D. Stormwater Control: Comply with requirements of authorities having jurisdiction. Provide barriers in and around excavations and subgrade construction to prevent flooding by runoff of stormwater from heavy rains.

- E. Pest Control: Engage pest-control service to recommend practices to minimize attraction and harboring of rodents, roaches, and other pests and to perform extermination and control procedures at regular intervals so Project will be free of pests and their residues at Substantial Completion. Perform control operations lawfully, using materials approved by authorities having jurisdiction.
- F. Site Enclosure Fence: Before construction operations begin, furnish and install site enclosure fence in a manner that will prevent people from easily entering site except by entrance gates.
 - 1. Extent of Fence: As required to enclose entire Project site or portion determined sufficient to accommodate construction operations.
 - 2. Maintain security by limiting number of keys and restricting distribution to authorized personnel.
- G. Security Enclosure and Lockup: Install temporary enclosure around partially completed areas of construction. Provide lockable entrances to prevent unauthorized entrance, vandalism, theft, and similar violations of security. Lock entrances at end of each workday.
- H. Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting.
- I. Temporary Fire Protection: Install and maintain temporary fire-protection facilities of types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 241; manage fire-prevention program.
 - 1. Prohibit smoking in construction areas. Comply with additional limits on smoking specified in other Sections.
 - 2. Supervise welding operations, combustion-type temporary heating units, and similar sources of fire ignition according to requirements of authorities having jurisdiction.
 - 3. Develop and supervise an overall fire-prevention and -protection program for personnel at Project site. Review needs with local fire department and establish procedures to be followed. Instruct personnel in methods and procedures. Post warnings and information.
 - 4. Provide temporary standpipes and hoses for fire protection. Hang hoses with a warning sign stating that hoses are for fire-protection purposes only and are not to be removed. Match hose size with outlet size and equip with suitable nozzles.

3.6 OPERATION, TERMINATION, AND REMOVAL

- A. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.
- B. Maintenance: Maintain facilities in good operating condition until removal.
 - 1. Maintain operation of temporary enclosures, heating, cooling, humidity control, ventilation, and similar facilities on a 24-hour basis where required to achieve indicated results and to avoid possibility of damage.
- C. Temporary Facility Changeover: Do not change over from using temporary security and protection facilities to permanent facilities until Substantial Completion.
- D. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than

Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.

1. Materials and facilities that constitute temporary facilities are property of Contractor. Owner reserves right to take possession of Project identification signs.
2. At Substantial Completion, repair, renovate, and clean permanent facilities used during construction period. Comply with final cleaning requirements specified in Section 017700 "Closeout Procedures."

END OF SECTION 01 5000

Glastonbury High School
Athletics Facility
330 Hubbard Street, Glastonbury CT
GL-2021-05

ID3A, LLC
Issued for Bid
November 20, 2020
Addendum 1, December 4, 2020

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SECTION 074646 - FIBER-CEMENT SIDING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes fiber-cement trim ***and interior fiber-cement base.***

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For fiber-cement trim including related accessories.

1.3 INFORMATIONAL SUBMITTALS

- A. Product certificates.
- B. Product test reports.
- C. Research/evaluation reports.
- D. Sample warranty.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.5 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace products that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: 15 years from date of Substantial Completion.
 - 2. Workmanship Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 FIBER-CEMENT SIDING

- A. General: ASTM C1186, Type A, Grade II, fiber-cement board, noncombustible when tested according to ASTM E136; with a flame-spread index of 25 or less when tested according to ASTM E84.

1. Manufacturers: Subject to compliance with requirements, provide a product by one of the following:
 - 1) CertainTeed Corporation
 - 2) GAF
 - 3) James Hardie Building Products
 - 4) Nichiha Architectural Panels
- B. Labeling: Provide fiber-cement siding that is tested and labeled according to ASTM C1186 by a qualified testing agency acceptable to authorities having jurisdiction.
- C. Nominal Thickness: Not less than 5/16 inch (8 mm).
- D. Trim **and Base**: Boards 7-1/4 to 7-1/2 inches (184 to 190 mm) wide in plain style.
 1. Texture: Smooth
- E. Factory Priming: Manufacturer's standard acrylic primer.

2.2 ACCESSORIES

- A. Siding Accessories, General: Provide starter strips, edge trim, outside and inside corner caps, and other items as recommended by siding manufacturer for building configuration.
- B. Flashing: Provide stainless-steel flashing complying with Section 076200 "Sheet Metal Flashing and Trim" at window and door heads and where indicated.
- C. Fasteners:
 1. For fastening to wood, use siding nails of sufficient length to penetrate a minimum of 1 inch (25 mm) into substrate.
 2. For fastening fiber cement, use hot-dip galvanized fasteners.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Comply with manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply.
 1. Install fasteners no more than 24 inches (600 mm) o.c.
- B. Install joint sealants as specified in Section 079200 "Joint Sealants" and to produce a weathertight installation.

3.2 ADJUSTING AND CLEANING

- A. Remove damaged, improperly installed, or otherwise defective materials and replace with new materials complying with specified requirements.

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Athletics Facility
330 Hubbard Street, Glastonbury CT
GL-2021-05

ID3A, LLC
Issued for Bid
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- B. Clean finished surfaces according to manufacturer's written instructions and maintain in a clean condition during construction.

END OF SECTION 074646

SECTION 09 6513 - RESILIENT BASE AND ACCESSORIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section Includes:
 - 1. Thermoset-rubber base.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each exposed product and for each color and texture specified, not less than 12 inches (300 mm) long.

1.4 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Furnish not less than 10 linear feet (3 linear m) for every 500 linear feet (150 linear m or fraction thereof, of each type, color, pattern, and size of resilient product installed.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F (10 deg C) or more than 90 deg F (32 deg C).

1.6 FIELD CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F (21 deg C) <Insert temperature> or more than 95 deg F (35 deg C), in spaces to receive resilient products during the following periods:
 - 1. 48 hours before installation.
 - 2. During installation.
 - 3. 48 hours after installation.

- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F (13 deg C) or more than 95 deg F (35 deg C).
- C. Install resilient products after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 THERMOSET-RUBBER BASE

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Tarkett Johnsonite Baseworks Thermoset Rubber Wall Base, or comparable product by one of the following:
 - 1. Roppe Corporation.
 - 2. Burke Mercer Flooring Products.
 - 3. Flexco.
- B. Product Standard: ASTM F 1861, Type TS (rubber, vulcanized thermoset), Group I (solid, homogeneous).
 - 1. Style and Location:
 - a. Style B, Cove: Provide in areas with resilient floor coverings.
- C. Thickness: 0.125 inch (3.2 mm).
- D. Height: 4 inches (102 mm).
- E. Lengths: ~~Cut lengths 48 inches (1219 mm) long or~~ Coils in manufacturer's standard length.
- F. Outside Corners: Job formed.
- G. Inside Corners: Job formed.
- H. Colors: As indicated in the Finish Drawings.

2.2 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based or blended hydraulic-cement-based formulation provided or approved by resilient-product manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by resilient-product manufacturer for resilient products and substrate conditions indicated.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
 - 1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
 - 1. Installation of resilient products indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.
- B. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound; remove bumps and ridges to produce a uniform and smooth substrate.
- C. Do not install resilient products until materials are the same temperature as space where they are to be installed.
 - 1. At least 48 hours in advance of installation, move resilient products and installation materials into spaces where they will be installed.
- D. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient products.

3.3 RESILIENT BASE INSTALLATION

- A. Comply with manufacturer's written instructions for installing resilient base.
- B. Apply resilient base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.
- C. Install resilient base in lengths as long as practical without gaps at seams and with tops of adjacent pieces aligned.
- D. Tightly adhere resilient base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.
- E. Do not stretch resilient base during installation.
- F. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilient base with manufacturer's recommended adhesive filler material.

G. Job-Formed Corners:

1. Outside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 3 inches (76 mm) in length.
 - a. Form without producing discoloration (whitening) at bends.
2. Inside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 3 inches (76 mm) in length.

3.4 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protecting resilient products.
- B. Perform the following operations immediately after completing resilient-product installation:
 1. Remove adhesive and other blemishes from surfaces.
- C. Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.

END OF SECTION 096513

SECTION 31 2313

PREPARATION OF SUBGRADE

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes

1. Preparation of the subgrade, after all rough grading has been substantially completed and all pipes/conduits laid, to accommodate the placement of the pavement structure and gutters in accordance with these specifications and in conformity with the lines, grades and typical cross-sections as shown on the Contract Drawings.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.1 PREPARATION OF SUBGRADE

- A. All soft and yielding material, and other portions of the subgrade which will not compact readily when rolled, vibrated or tamped, shall be removed and replaced with suitable material. The surface shall be compacted uniformly with a minimum of four (4) complete coverages using an approved power roller having a minimum compression of 300 pounds per inch of width of tread on the rear wheel, and weighing not less than 10 tons, or with an equivalent vibratory roller or compactor.
- B. When more than one compacting unit is used, the unit exerting the greatest compactive effort shall be used to make the initial compaction. Any portion of the subgrade, which is not accessible to a roller or other compacting unit, shall be compacted thoroughly with hand tampers or with approved mechanical vibrators.
- C. Contractor shall notify the engineer for inspection of the subbase in driveway prior to placement of the base course.

3.2 PROTECTION OF SUBGRADE

- A. Contractor shall protect the subgrade from damage by exercising such precautions, as Engineer may deem necessary. At all times, the subgrade surface shall be kept in such condition that it will drain readily and correctly.

END OF SECTION

SECTION 31 2315

FINE GRADING

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes

1. Preparation of the top surface of the roadbed, after all grading has been substantially completed and all pipes/conduits laid, to accommodate the placement of the pavement structure and gutters in accordance with these specifications and in conformity with the lines, grades and typical cross-sections as shown on the Contract Drawings.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.1 FINE GRADING

- A. After compaction, the top surface of the subgrade shall be fine graded so that it shall not extend above, nor more than 1/2 -inch below, true grade and surface at any location. The subgrade shall not be muddy or otherwise unsatisfactory when pavement/base/subbase is placed upon it. If the fine grade of the subgrade becomes rutted or displaced due to any cause whatsoever, the Contractor shall regrade same at his own expense.

3.2 PROTECTION OF SUBGRADE

- A. Contractor shall protect the fine grading from damage by exercising such precautions, as Engineer may deem necessary. At all times, the subgrade surface shall be kept in such condition that it will drain readily and correctly. The grades shall be checked and approved before any pavement structure is placed thereon.

END OF SECTION