

**ADDENDUM NO. 1**

January 24, 2020

**TO: ALL PROSPECTIVE BIDDERS/RECIPIENTS OF CONTRACT SPECIFICATIONS & DRAWINGS**

This Addendum is hereby made a part of the Contract Documents, and modifies and takes precedence over the original Contract Documents dated January 14, 2020.

Bidders shall take this Addendum into consideration when preparing and submitting a bid, and shall acknowledge receipt of this Addendum on the Bid Form. Failure to do so may subject the Bidder to disqualification.

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- A. The PreBid Meeting Agenda with Discussion Notes, dated January 21, 2020 is included with this ADDENDUM for Bidders' information.

**DIVISION 00 SPECIFICATIONS**

1. SECTION 006113.16 – DRAFT AIA Document A312-2010 – PAYMENT BOND: DELETE the Section included in the Project Specifications and INSERT attached DRAFT Payment Bond.

**DIVISION 01 SPECIFICATIONS**

2. SECTION 011000 – SUMMARY:
- a. DELETE this Section included in the Project Specifications issued for bidding and INSERT attached revised Section.
  - b. ADD attached Overall Site Plan to the end of this Specification Section.
3. SECTION 015000 – TEMPORARY FACILITIES AND CONTROLS: DELETE this Section included in the Project Specifications issued for bidding and INSERT attached revised Section.

**TECHNICAL SPECIFICATIONS and DRAWING CHANGES:**

4. DRAWINGS R-1, R-5, R-6: DELETE these Drawings included in the Project Specifications issued for bidding and INSERT attached revised Drawings.

Attachments:

PreBid Meeting Agenda with Discussion Notes  
SECTION 006113.16 – PAYMENT BOND  
SECTION 011000 – SUMMARY  
SECTION 011000 – Site Logistics Plan  
SECTION 015000 – TEMPORARY FACILITIES AND CONTROLS  
DRAWING R-1  
DRAWING R-5  
DRAWING R-6

**END OF ADDENDUM NO. 1**



**METHACTON SCHOOL DISTRICT**  
**2020 HIGH SCHOOL FRONT ENTRY REPLACEMENT Project**  
**Pre-Bid Meeting Agenda with Discussion Notes**  
January 21, 2020

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**1. SIGN-IN and INTRODUCTIONS:**

Owner – Methacton School District  
Design Professional/Consultant – Shephard Restoration Engineers, Inc.  
Owner’s Representative – Fidevia

**2. PROJECT SCOPE:** Site is located at 1005 Kriebel Mill Road, Eagleville, PA.

Scope includes replacement of the existing stone façade with new brick and metal panel façade system, and related work, at Methacton High School.

**3. WALK THROUGH:** A project work through will take place after the pre-bid meeting. An additional site visit if needed will take place at the High School front entrance. **Unless requested, no additional site visit will be scheduled.**

**4. PRE-BID RFIs:** Provide questions during bidding, via the Project’s PennBid site. **Last day for questions shall be January 28, 2020.**

**5. SUBSTITUTIONS:** Substitutions will only be considered if Prime Contractor submits the requisite Substitution Form to the Engineer, cc: Owner’s Representative.

**6. ADDENDA:** Addenda will be posted on the Project’s PennBid site/page.

**7. BID REQUIREMENTS:** Contractors must include the following documents with their bid: Bid Form, Proposal Guaranty/Bid Bond, Contractor’s Qualification/AIA A305, Non-Collusion Affidavit, and acknowledgement of receipt of all issued Addenda.

**8. BID DUE DATE:** Bids are due **Wednesday, February 5, 2020 at 10:00 am** on the Project’s PennBid site, and will be opened publicly immediately thereafter at the Methacton School District Facilities Office, 4001-C Eagleville Rd., Eagleville, PA.

**9. PERMITS:** The Owner is currently working with the municipality to cover the cost of the building permit, if required. Other permits, licenses, etc. required by the municipality are the responsibility of the contractor.

**10. NTP:** It is anticipated that the Notice to Proceed will be issued on or about week of March 9, 2020.

**11. CLEARANCES:** With the submission of his bid, the Contractor affirms that all personnel assigned to do the Work under the contract will provide valid (within 1 year of issuance), acceptable clearances within ten (10) days of the Notice to Proceed. On-site photo identification/badges are required for all Contractor employees working on-site.

**12. HOURS OF WORK:** Work on the existing building is limited to normal business working hours of 7:00am to 4:00pm, Monday through Friday, unless otherwise noted or approved by the Owner.

**13. PROJECT SCHEDULE:**

- Issuance of NTP – On or about week of March 9, 2020.
- Submission and Approval of All Project Submittals – March 20, 2020.
- Start On-Site Work – April 13, 2020.
- Panels On-Site – May 1, 2020.
- SUBSTANTIAL COMPLETION – **May 22, 2020.**
- FINAL COMPLETION – **May 29, 2020.**





# METHACTON SCHOOL DISTRICT

## 2020 HIGH SCHOOL FRONT ENTRY REPLACEMENT PROJECT

PreBid Meeting  
Sign-In Sheet  
01/21/20

Name/Signature	Company & Discipline	Phone Number	Email
PAUL MURKIN	LS Paoletta Const. Inc	610 499 8950	Bids@LSPinc.net
MIKE SIMON	DONALD F REISINGER	610 696 6921	MSIMON@DONALDREISINGER.COM
Steve A. Kuch	Rob. T. Michalek & Assocs.	610 212 6710	g.kuch@rob.t.michalek.com
Theresa Shepherd	Shepherd Restoration Eng. Inc.	484 442 8137	theresa@shepherdrestoration.com
Schmnie Valentine	Shepherd Restoration	484 442 8137	svalentine@shepherdrestoration.com
Alex Gregorich	Shepherd Restoration	484 442 8137	alexg@shepherdrestoration.com



2020 HIGH SCHOOL FRONT ENTRY PROJECT  
METHACTON HIGH SCHOOL  
OVERALL SITE PLAN



PARKING AND STAGING  
AREA FOR DURATION  
OF PROJECT



TEMPORARY SCAFFOLD  
PROTECTION



SIDEWALK AND DRIVEWAY TO REMAIN  
CLEAR AND OPEN DURING CONSTRUCTION  
FOR BUS AND STUDENT ACCESS





# DRAFT AIA® Document A312™ - 2010

## Payment Bond

### CONTRACTOR:

(Name, legal status and address)

« »« »  
« »

### SURETY:

(Name, legal status and principal place of business)

« »« »  
« »

### OWNER:

(Name, legal status and address)

«Methacton School District »« »  
«1001 Kriebel Mill Road  
Eagleville, PA 19403 »

### CONSTRUCTION CONTRACT

Date: «»

Amount: \$ «»

Description:

(Name and location)

«2020 High School Front Entry Replacement Project»  
«1005 Kriebel Mill Rd., Eagleville, PA 19403»

### BOND

Date:

(Not earlier than Construction Contract Date)

« »

Amount: \$ « »

Modifications to this Bond:  None  See Section 18

### CONTRACTOR AS PRINCIPAL

Company: (Corporate Seal)

### SURETY

Company: (Corporate Seal)

Signature:

Name and « »« »

Title:

(Any additional signatures appear on the last page of this Payment Bond.)

Signature:

Name and « »« »

Title:

(FOR INFORMATION ONLY — Name, address and telephone)

### AGENT or BROKER:

« »  
« »  
« »

### OWNER'S REPRESENTATIVE:

(Architect, Engineer or other party:)

«Fidevia, LLC »  
«750 Lititz Pike »  
«Lititz, PA 17432 »  
«717-625-3433 »  
« »  
« »

**ADDITIONS AND DELETIONS:** The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

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§ 1 The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Owner to pay for labor, materials and equipment furnished for use in the performance of the Construction Contract, which is incorporated herein by reference, subject to the following terms.

§ 2 If the Contractor promptly makes payment of all sums due to Claimants, and defends, indemnifies and holds harmless the Owner from claims, demands, liens or suits by any person or entity seeking payment for labor, materials or equipment furnished for use in the performance of the Construction Contract, then the Surety and the Contractor shall have no obligation under this Bond.

§ 3 If there is no Owner Default under the Construction Contract, the Surety's obligation to the Owner under this Bond shall arise after the Owner has promptly notified the Contractor and the Surety (at the address described in Section 13) of claims, demands, liens or suits against the Owner or the Owner's property by any person or entity seeking payment for labor, materials or equipment furnished for use in the performance of the Construction Contract and tendered defense of such claims, demands, liens or suits to the Contractor and the Surety.

§ 4 When the Owner has satisfied the conditions in Section 3, the Surety shall promptly and at the Surety's expense defend, indemnify and hold harmless the Owner against a duly tendered claim, demand, lien or suit.

§ 5 The Surety's obligations to a Claimant under this Bond shall arise after the following:

§ 5.1 Claimants, who do not have a direct contract with the Contractor,

- .1 have furnished a written notice of non-payment to the Contractor, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were, or equipment was, furnished or supplied or for whom the labor was done or performed, within ninety (90) days after having last performed labor or last furnished materials or equipment included in the Claim; and
- .2 have sent a Claim to the Surety (at the address described in Section 13).

§ 5.2 Claimants, who are employed by or have a direct contract with the Contractor, have sent a Claim to the Surety (at the address described in Section 13).

§ 6 If a notice of non-payment required by Section 5.1.1 is given by the Owner to the Contractor, that is sufficient to satisfy a Claimant's obligation to furnish a written notice of non-payment under Section 5.1.1.

§ 7 When a Claimant has satisfied the conditions of Sections 5.1 or 5.2, whichever is applicable, the Surety shall promptly and at the Surety's expense take the following actions:

§ 7.1 Send an answer to the Claimant, with a copy to the Owner, within sixty (60) days after receipt of the Claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed; and

§ 7.2 Pay or arrange for payment of any undisputed amounts.

§ 7.3 The Surety's failure to discharge its obligations under Section 7.1 or Section 7.2 shall not be deemed to constitute a waiver of defenses the Surety or Contractor may have or acquire as to a Claim, except as to undisputed amounts for which the Surety and Claimant have reached agreement. If, however, the Surety fails to discharge its obligations under Section 7.1 or Section 7.2, the Surety shall indemnify the Claimant for the reasonable attorney's fees the Claimant incurs thereafter to recover any sums found to be due and owing to the Claimant.

§ 8 The Surety's total obligation shall not exceed the amount of this Bond, plus the amount of reasonable attorney's fees provided under Section 7.3, and the amount of this Bond shall be credited for any payments made in good faith by the Surety.

§ 9 Amounts owed by the Owner to the Contractor under the Construction Contract shall be used for the performance of the Construction Contract and to satisfy claims, if any, under any construction performance bond. By the Contractor furnishing and the Owner accepting this Bond, they agree that all funds earned by the Contractor in the performance of the Construction Contract are dedicated to satisfy obligations of the Contractor and Surety under this Bond, subject to the Owner's priority to use the funds for the completion of the work.

§ 10 The Surety shall not be liable to the Owner, Claimants or others for obligations of the Contractor that are unrelated to the Construction Contract. The Owner shall not be liable for the payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligation to make payments to, or give notice on behalf of, Claimants or otherwise have any obligations to Claimants under this Bond.

§ 11 The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders and other obligations.

§ 12 No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the state in which the project that is the subject of the Construction Contract is located or after the expiration of one year from the date (1) on which the Claimant sent a Claim to the Surety pursuant to Section 5.1.2 or 5.2, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this Paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

§ 13 Notice and Claims to the Surety, the Owner or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears. Actual receipt of notice or Claims, however accomplished, shall be sufficient compliance as of the date received.

§ 14 When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

§ 15 Upon request by any person or entity appearing to be a potential beneficiary of this Bond, the Contractor and Owner shall promptly furnish a copy of this Bond or shall permit a copy to be made.

## § 16 Definitions

§ 16.1 Claim. A written statement by the Claimant including at a minimum:

- .1 the name of the Claimant;
- .2 the name of the person for whom the labor was done, or materials or equipment furnished;
- .3 a copy of the agreement or purchase order pursuant to which labor, materials or equipment was furnished for use in the performance of the Construction Contract;
- .4 a brief description of the labor, materials or equipment furnished;
- .5 the date on which the Claimant last performed labor or last furnished materials or equipment for use in the performance of the Construction Contract;
- .6 the total amount earned by the Claimant for labor, materials or equipment furnished as of the date of the Claim;
- .7 the total amount of previous payments received by the Claimant; and
- .8 the total amount due and unpaid to the Claimant for labor, materials or equipment furnished as of the date of the Claim.

§ 16.2 Claimant. An individual or entity having a direct contract with the Contractor or with a subcontractor of the Contractor to furnish labor, materials or equipment for use in the performance of the Construction Contract. The term Claimant also includes any individual or entity that has rightfully asserted a claim under an applicable mechanic's lien or similar statute against the real property upon which the Project is located. The intent of this Bond shall be to include without limitation in the terms "labor, materials or equipment" that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental equipment used in the Construction Contract, architectural and engineering services required for performance of the work of the Contractor and the Contractor's subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials or equipment were furnished.

§ 16.3 Construction Contract. The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and all changes made to the agreement and the Contract Documents.

§ 16.4 Owner Default. Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

§ 16.5 Contract Documents. All the documents that comprise the agreement between the Owner and Contractor.

§ 17 If this Bond is issued for an agreement between a Contractor and subcontractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

§ 18 Modifications to this bond are as follows:

« »

*(Space is provided below for additional signatures of added parties, other than those appearing on the cover page.)*

**CONTRACTOR AS PRINCIPAL**

Company:

*(Corporate Seal)*

**SURETY**

Company:

*(Corporate Seal)*

Signature:

Name and Title:

Address:

« »« »

« »

Signature:

Name and Title:

Address:

« »« »

« »

## SECTION 01 10 00 - SUMMARY

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 SUMMARY

- A. This Section includes the following:
  - 1. Work covered by the Contract Documents.
  - 2. Type of Contract.
  - 3. Work phases.
  - 4. Use of premises.
  - 5. Owner's occupancy requirements.
  - 6. Work restrictions.
  - 7. Specification formats and conventions.
- B. Related Sections include the following:
  - 1. Division 1 Section "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

#### 1.3 WORK COVERED BY CONTRACT DOCUMENTS

- A. Project Identification: 2020 High School Front Entry Replacement Project.
  - 1. Project Location: 1005 Kriebel Mill Road, Eagleville, PA.
- B. Owner: Methacton School District.
  - 1. Owner's Representative: Fidevia, 750 Lititz Pike, Lititz, Pennsylvania 17543; (tel) 717-625-3433 (fax) 717-625-3239.
- C. Architect/Engineer: The Contract Documents, dated January 14, 2020, were prepared for this Project by Shephard Restoration Engineers, Inc., 335 W. State Street, First Floor, Media, PA 19063.

#### 1.4 TYPE OF CONTRACT

- A. Project will be constructed under one contract. The Contract for this Project includes the following:
  - 1. General Construction Contract.
- B. Contractor is responsible for the review of all Contract Documents and coordination of its work as defined therein. See Section 010250, Summary of Work.

#### 1.5 USE OF PREMISES

- A. The Project Schedule and Milestone Narrative is enumerated in the Contract Documents.

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- B. Material Deliveries: The General Construction Contractor shall coordinate site logistics with the Owner and Owner's Representative prior to installation. Contractor should notify the Owner's Representative of deliveries so that the Owner can coordinate as necessary. Staging areas will be located in accordance with the Overall Site Plan included at the end of this Specification Section.
- C. Milestone Narrative: Based on a Notice to Proceed (NTP), Construction Schedules shall incorporate and comply with the following milestones:
  - 1. NOTICE TO PROCEED (NTP) – On or before Week of March 9, 2020.
  - 2. SUBMISSION and APPROVAL of ALL PROJECT SUBMITTALS – March 20, 2020.
  - 3. COMMENCEMENT of the WORK ON-SITE – April 13, 2020
  - 4. PANELS ON-SITE – May 1, 2020
  - 5. SUBSTANTIAL COMPLETION – May 22, 2020.
  - 6. FINAL COMPLETION of ENTIRE PROJECT (including Punchlist) – May 29, 2020.
- D. Employee Conduct: All Contractor employees at any tier shall conform and abide by the following:
  - 1. Obey posted speed limits.
  - 2. No alcohol, drugs, tobacco products, smoking, or firearms shall be permitted on school property.
  - 3. No profanity or fighting.
  - 4. Shirts shall be worn at all times.
  - 5. Hard hats, safety glasses and ear protection as required by OSHA shall be utilized.
  - 6. Trash shall be cleaned up daily.
  - 7. No fraternizing with students or school employees.

1.6 WORK RESTRICTIONS

- A. On-Site Work Hours: With the exception of holidays, the Work shall take place any time Monday through Friday 7:00 a.m. to 5:00 p.m. **Vehicle and material access shall take place Monday through Friday, between 9:30 a.m. and 1:30 p.m. Additional days and hours to accommodate the schedule must be coordinated with the Owner. Main Entry and Driveway to remain clear at throughout duration of the construction project due to emergency egress.**
- B. The site will be occupied during construction. The Contractor must coordinate activities and cooperate with adjacent uses including any of their construction activities. Contractor must also schedule, coordinate and perform construction activities to avoid disruption of ongoing operations. Contractor must schedule and perform certain work on weekends and holidays to avoid disruptions. This may include utility work.
- C. Site Security: Storage, staging and coordination of access by Contractor is in accordance with Contract Drawings to facilitate the work. All areas must be protected from damage and repaired by the Contractor if damage occurs. The Masonry Contractor is responsible to maintain a secure work area at all times.

1.7 WORK BY OWNER

- A. General: Cooperate fully with Owner so work may be carried out smoothly, without interfering with or delaying work under this Contract or work by Owner. Coordinate the Work of this Contract with work performed by Owner.

2020 HIGH SCHOOL FRONT ENTRY REPLACEMENT PROJECT  
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B. Concurrent Work:

1. The 2020 High School MEP Projects 2-5 at the Methacton High School will be contracted directly by Methacton School District.

1.8 SPECIFICATION FORMATS AND CONVENTIONS

A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.

B. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.

C. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:

1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
2. Abbreviations: Materials and products are identified by abbreviations scheduled on Drawings.
3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.”

1.9 MISCELLANEOUS PROVISIONS

- A. Local Municipal Approvals & Permits: The Owner shall pay for the cost of the building permits. Contractor is responsible for any licensing and/or inspection fees required for the work. The Contractor shall secure and arrange for all the necessary utility connections and municipal or agency approvals or other permits required for the Project unless specified otherwise.

**PART 2 - PRODUCTS (Not Used)**

**PART 3 – EXECUTION**

- 3.1 Contractor shall complete all work in the time period specified in the contract. Contractor(s) shall include all necessary time and the related cost required including but not limited to; overtime, shift work, weekends and holidays in order to complete the work as specified within the contract time.

**END OF SECTION**





## **SECTION 01 50 00 – TEMPORARY FACILITIES AND CONTROLS**

### **PART 1 - GENERAL**

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 SUMMARY

- A. This Section includes requirements for temporary utilities, support facilities, and security and protection facilities.
- B. Related Sections include the following:
  - 1. Division 01 Section "Summary" for limitations on utility interruptions and other work restrictions.
  - 2. Division 1 Section "Submittal Procedures" for procedures for submitting copies of implementation and termination schedule and utility reports.
  - 3. Division 01 Section "Execution Requirements" for progress cleaning requirements.
  - 4. Divisions 02 through 49 Sections for temporary heat, ventilation, and humidity requirements for products in those Sections.

#### 1.3 USE CHARGES

- A. General: Cost or use charges for temporary facilities shall be included in the Contract Sum. Allow other entities to use temporary services and facilities without cost, including, but not limited to, Owner's construction forces, Architect, occupants of Project, testing agencies, and authorities having jurisdiction.
- B. Sewer and Water Services: By Owner. Water hydrants are available for use. All connections to be in good condition and leaks in piping / connections to be repaired immediately.
- C. Electric Power Service: By General Contractor. Electric services are limited on-site therefore General Construction Contractor shall provide its own generator, as needed to complete the Work.

#### 1.4 SUBMITTALS

- A. Site Logistics Plan: General Construction Contractor shall follow the "Overall Site Plan" included at the end of Specification Section 011000, which designates areas for construction fencing, temporary facilities, staging areas, and parking areas for construction personnel.

### **PART 2 - PRODUCTS**

#### 2.1 MATERIALS

- A. Lumber and Plywood: Comply with requirements in Project Drawings. Plywood to be used to protect concrete sidewalks prior to driving equipment onto sidewalk.

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- B. Open-Mesh Plastic Fencing: Heavyweight orange colored plastic, open mesh, safety fence, 4 feet high with posts set in a compacted mixture of gravel and earth.
- C. Temporary Scaffold Protection: Provide two bays of scaffold with plank between creating a “tunnel” and orange fencing either side from the front entrance towards the driveway by 20’ for the purpose of emergency egress during construction.

2.2 TEMPORARY FACILITIES

- A. Field Offices, General: Owner’s field office is not required. If necessary, Contractor field office to be located onsite in accordance with the Overall Site Plan.
- B. Storage and Fabrication Sheds: Provide sheds sized, furnished, and equipped to accommodate materials and equipment for construction operations.
  - 1. Store combustible materials apart from building.
  - 2. Construct sheds of non-combustible materials.

2.3 EQUIPMENT

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

**PART 3 - EXECUTION**

3.1 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.

3.2 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 Owner’s system or municipal system as directed by authorities having jurisdiction.
- C. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities. Owner’s sanitary facilities are not available for Contractor use.
- D. Electric Power Service: Provide electric power service for all construction operations of sufficient size, capacity, and power characteristics required for construction operations.
- E. Isolation of Work Areas in Occupied Facilities: Orange security fencing shall be provided as per

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indicated on the "Overall Site Plan."

1. General Construction Contractor shall perform daily construction cleanup and final cleanup.
- F. General Construction Contractor shall provide superintendent with cellular telephone for use when away from field office.

3.3 SUPPORT FACILITIES INSTALLATION

- A. General: Comply with the following:
1. Provide incombustible construction for offices, shops, and sheds located within construction area or within 30 feet of building lines. Comply with NFPA 241.
  2. Maintain support facilities until near Substantial Completion. 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 improvements to remain including curbs, pavement, and utilities.
  2. Maintain access for fire-fighting equipment and access to fire hydrants.
- C. Parking: See Overall Site Plan for parking areas for construction personnel.
- D. Dewatering Facilities and Drains: Comply with requirements of authorities having jurisdiction. Maintain Project site, excavations, and construction free of water.
1. Dispose of rainwater in a lawful manner that will not result in flooding Project or adjoining properties nor endanger permanent Work or temporary facilities.
  2. Remove snow and ice as required to minimize accumulations.
- E. Temporary Signs: Provide signs as indicated below and on Drawings. Install signs where indicated to inform public and individuals seeking entrance to Project. Unauthorized signs are not permitted.
1. Provide temporary, directional signs for construction personnel and visitors.
  2. Maintain and touchup signs so they are legible at all times.
- 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 Division 01 Section "Execution Requirements" for progress cleaning requirements.
- 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.

3.4 SECURITY AND PROTECTION FACILITIES INSTALLATION

- A. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction in ways and by methods that comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
1. Comply with work restrictions specified in Division 01 Section "Summary."
- B. Temporary Erosion and Sedimentation Control: Provide measures to prevent soil erosion and

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discharge of soil-bearing water runoff and airborne dust to adjacent properties and walkways, according to requirements of authorities having jurisdiction. Comply with requirements specified in Division 31 Sections.

1. Inspect, repair, and maintain erosion- and sedimentation-control measures during construction until permanent vegetation has been established.
- C. Stormwater Control: Comply with authorities having jurisdiction. Provide barriers in and around excavations and subgrade construction to prevent flooding by runoff of stormwater from heavy rains.
- D. Tree and Plant Protection: Install temporary fencing located as indicated or outside the drip line of trees to protect vegetation from damage from construction operations. Protect tree root systems from damage, flooding, and erosion. Comply with requirements specified in Division 32 Sections.
- E. Site Enclosure Fence: Before construction operations begin, furnish and install orange construction fencing in a manner that will prevent people and animals from easily entering site except by entrance gates.
- F. Security Enclosure and Lockup: Install substantial temporary enclosure around partially completed areas of construction. Provide lockable entrances to prevent unauthorized entrance, vandalism, theft, and similar violations of security.
  1. Storage: Where materials and equipment must be stored, and are of value or attractive for theft, provide a secure lockup. Enforce discipline in connection with the installation and release of materials to minimize the opportunity for theft and vandalism.
  2. Relocate as required by progress of construction, by storage or work requirements, and to accommodate legitimate requirements of Owner and other Contractors employed at the site. Completely remove when construction needs can be met by use of permanent construction. Clean and repair damage caused by installation or by use.
- G. Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting.
- H. 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.
  1. Prohibit smoking on school campus.
  2. Supervise welding operations, combustion-type temporary heating units, and similar sources of fire ignition according to requirements of authorities having jurisdiction.

3.5 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.
- 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.

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2. At Substantial Completion, clean and renovate permanent facilities used during construction period. Repair, in kind and to Owner's satisfaction, any damage that occurred during completion of the Work, to driveways, roads, landscape areas and/or any other improvements located within the construction areas noted on the "Overall Site Plan".

**END OF SECTION**

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