



## Addendum No. I

**Project:** West Washington 2019 Practice Building  
**Subject:** Addendum No. I  
**Date:** August 13, 2019

**Project No.:** 1920.01

This addendum is a part of the bid documents. Acknowledge receipt on the proposal form.

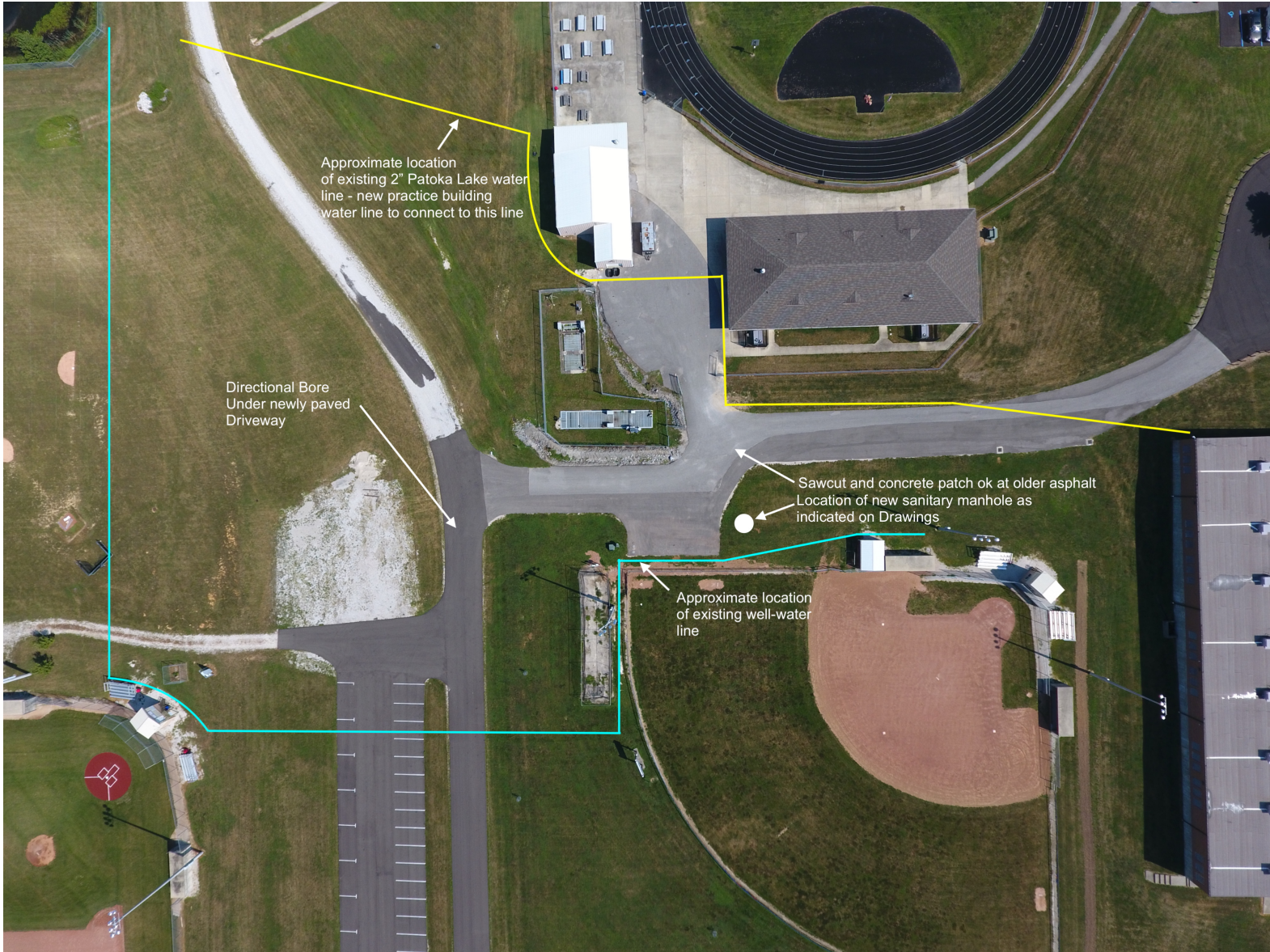
1. The pre-bid meeting minutes and sign in sheet are included as part of this addendum
2. Drawing S101: For purposes of bidding, provide a total of six 20" x 20" concrete piers (three at the north wall and three at the south wall) each with a 30" x 30" x 12" footing, for end-wall wind columns. Each pier to have (8) #5 vertical rebars and #3 ties at 10" o.c. Each footing to have (4) #5 each way.
3. Drawing S101: Pre-engineered metal building to be designed for 3.0 psf collateral load, and be designed for point loads for the divider curtain, unit heaters, batting cages and archery cage. For purposes of bidding, the unit heaters weigh 650 pounds each; the batting cages, archery cage and divider curtain weigh 25 pounds per linear foot.
4. Drawing S101 and S301: The rubber matt is 1/2" thick, not 1" thick.
5. Drawing A201: References to "frameless mirror" should be changed to "mirror - see Specification Section 10800".
6. Drawings A501, A601, A602, A701, A702 and Specification Section 04220: The Max Bric units are to be 4" tall x 16" long x 8" deep.
7. Drawing M-202: Alternate #2 Cambridge Unit CHU-I&2 model SA-250 is not available with an LP orifice. Change the unit model number to S400, 400,000 btuh. with LP orifice.
8. Drawing P101: For Alternate #2, the gas pipe size from the regulator to the first Cambridge Unit to be 2-1/2".
9. Specification Section 08710: Hardware Set #4 is revised as follows:
  - Hinges: 3 pr lves 5-BB-1-HW-4-1/2x5-630-NRP-SEC
  - Latchset: Schlage CO200CYR70-PR-RHO-626-PD (keypad on platform side)
  - Flush bolt: 1 pr Trimco 3910 x 626 with dust-proof strike (inactive leaf )
  - Door holder: 1 pr lves FS452-5x628
  - Kick plates: 1 pr 8" h x door width x US32D x platform side.
9. Specification Section 09623: Delete this specification and substitute the attached Specification Section 02791 ARTIFICIAL TURF SHOCK PAD, included as a part of this addendum.
10. Specification Section 11660: Porter model 90920400 is an acceptable batting cage, subject to compliance with the bid documents.
11. Specification Section 11660: Performance Sports Systems 4080-BL Batting Cage/Archery Net is an acceptable batting cage / archery net, subject to compliance with the bid documents. Note that this cage requires a 1.0 hp motor in lieu of the 3/4 hp motor specified.
12. Specification Section 11660: Note that two bottom lift batting cages and one bottom lift archery net are required, as indicated on the Drawings. The archery net is not a cage, but a linear net as indicated on the Drawings.
12. Specification Section 13850 clarification: Separate stand-alone fire alarm systems are acceptable in lieu of extending the school's existing Siemens fire alarm system, but the stand-alone system must include all components necessary for a fully functioning and code compliant system, including but not limited to a digital interface with cellular and internet communication connectivity. The practice building will not be provided with a POTS phone line, and the Indiana Fire Code does not permit the same phone technology to be used for both the primary and back-up line. If the contractor desires to have both a cellular primary and backup phone connection, the cost of variances from the Indiana Fire Prevention and Building Safety Commission is to be included in the bid price.
13. Specification Section 13120: CanAm and Corle are acceptable pre-engineered building manufacturers, subject to compliance with the bid documents.

(continued on page 2)



**Addendum No. I**

14. The following annotated site aerial photograph clarifies existing conditions as of August 2019, and indicates the location of the existing domestic water line. Water service for the new building is to connect to the existing 2" Patoka Lake water line, not the well water irrigation line.



End of Addendum No. I

enclosure: Specification Section 02791 - Artificial Turf Shock Pad.

file: 1920.01 / E-1





## PRE-BID MEETING AGENDA

**Project:** West Washington 2019 Practice Building  
**Subject:** Pre-Bid Meeting  
**Location:** West Washington High School  
**Attendees:** See sign-in sheet

**Project No.:** 1920.01  
**Date:** August 1, 2019

### I. General and Clerical Issues

#### a. Project Description

##### 1. Project Description

##### 2. Confirmation of Bid Date & Bid Procedures

A) Bid Date: Thursday, August 15, 2019

B) Bid must include:

1) Proposal Form Parts I & II

2) Financial Statement

3) Bid Security (Bond or Certified Check) 5% plus add alternates

4) Acknowledge Addenda on Proposal Form

C) Subcontractor List & Schedule of Values not required with bid (within 24 hours).

D) Public Works Requirements

1) Certification by IDPW prior to beginning work on site (see spec 00305).

2) Drug testing and employment verification per statute (see spec 00305)

E) Sales tax exempt (Indiana sales tax) School will provide a certificate.

##### 3. Explanation of Alternate Bids.

A) Alternate 1: Athletic Equipment (structure and electrical provisions are base bid)

B) Alternate 2: Cambridge Units in lieu of Unit Heaters and Intake Louvers (exhaust fans base bid).

C) Alternate 3: Split face block in lieu of MaxBric (this could be an add or a deduct)

### II. Scheduling and Coordination

#### 1. Working Conditions & Special Issues

A) Staging Area / Trailer location - on site.

B) Work in occupied areas / Coordination with Owner. Use northwest gate and avoid interruption and conflict with school operations. Fence as required to secure site. The new sanitary sewer utility path from the building to the manhole at the treatment plan was described and explained, with the intention to have a force main to a new manhole just upstream of the treatment plant, and then a gravity line from the new manhole to the existing manhole at the treatment plant. The proposed path was reviewed and walked. It was noted that the drawings show an existing fence that has been removed by the school. The intention is to stay as much in the grass between the asphalt drive and baseball field as possible with the new manhole located in the grass. Sawcutting of the drive will need to be coordinated with the school to avoid interruption of access to the football field in the fall when the football season begins.

C) Fire exiting. Cooperate with Owner during fire drills.

#### 2. Construction Schedule Substantial Completion: Propose days to completion on bid form.

### III. Administrative Issues

1. Post-bid Schedule: Board meeting August 19, 2019 award will be made pending board approval.

2. Mobilization & Startup - Immediate upon award.



3. Addenda will be issued to clarify Hardware Set #4; Frameless Mirrors; Clarification of Collateral Loads & point loads.
4. Plans are posted at KHA Planroom ([koverthawkins.com/bid-information](http://koverthawkins.com/bid-information)) Addenda will be posted on the website.

#### IV. Technical Issues

##### I. Questions

- a) A question was asked about the size of the Maxbric. 4x8x16 units were intended.
- b) A question was asked as to whether the overhangs shown on the drawings were required. Yes, they are required. The pre-engineered building manufacturer's standard overhang details may be used so long as the length of the overhang extension is equivalent to what is shown on the Drawings.
- c) The detention basin and associated piping is existing. The only grading and piping is the work immediately around the new building, and site utility work for new utilities as shown on the drawing.
- d) The disturbed area is less than one acre so no Rule 5 submittal is required. Erosion control is included in the specifications and best practices for stormwater management and erosion control must still be used, even though a Rule 5 submittal is not required.
- e) The existing gravel roads and the asphalt drive may be saw-cut and patched with concrete for new site utilities, or they may be directional bored at the contractor's option. Additional clarification will be provided by addendum.
- f) Washington County does not have a commercial building permit ordinance or a county building inspector. The project will have a state inspector. No county building permit is required because no office exists to issue the permit.
- g) The electric utility provider is Jackson County REMC.
- h) A question was asked if the new sanitary sewer could be routed directly to the existing lagoon instead of to the treatment plant. No. This is not allowed. The new sanitary line must be routed to the manhole at the east side of the treatment plant.
- i) A question was asked about the location of the existing domestic water line. It is located north and west of the new building location.
- j) The building is to be staked by the contractor. See specification section 014500.
- k) An engineer's estimate for the new construction is not available.
- l) No geotechnical report is available.

Prepared by

John A. Hawkins, AIA

file: 1920.01 / E-1



**PRE-BID MEETING SIGN - IN**

**Project:** West Washington 2019 Practice Bldg.  
**Subject:** Pre-Bid Meeting  
**Location:** West Washington High School

**Project No.:** 1920.01  
**Date:** August 1, 2019

Name (PRINT)	Email Address	Phone Number
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file: 1920.01 / E-1

SECTION 02791 – ARTIFICIAL TURF SHOCK PAD

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Furnish all labor, materials, and equipment to complete installation of synthetic turf shock pad including all necessary and incidental items, in accordance with the Contract Documents.

1.02 RELATED WORK SPECIFIED ELSEWHERE

Section 02790 – Athletic Artificial Grass Turf

1.03 REFERENCES

- A. ASTM D3575 – Standard Test Methods for Flexible Cellular Materials Made From Olefin Polymers.
- B. ASTM D4491 – Standard Test Methods for Water Permeability of Geotextiles by Permittivity.
- C. ASTM D4716 – Standard Test Method for Determining the (In-plane) Flow Rate per Unit Width and Hydraulic Transmissivity of a Geosynthetic Using a Constant Head.
- D. ASTM F355 (method A) – Standard Test Method for Impact Attenuation of Playing Surface Systems and Materials.

1.04 SUBMITTALS

- A. Product Data:
  - 1. Submit manufacturer's published literature describing products.
  - 2. Submit technical specification containing the typical values for the referenced standards of the shock pad.
  - 3. Provide manufacturers 16 year limited warrantee for the shock pad.
- B. Shop Drawings:
  - 1. Include details, dimensions and layout of installation for the shock pad for the artificial turf field.
  - 2. Declaration of Conformity.
- C. Samples:
  - 1. Provide three (3) 12" x 12" samples of the shock pad.

1.05 PRODUCT HANDLING AND STORAGE

Upon receipt at the job site, all materials shall be checked to ensure that no damage occurred during shipping or handling. Materials shall be stored in such a manner to ensure proper ventilation and drainage, and to protect against damage, weather, vandalism and theft.

1.06 QUALITY ASSURANCE

- A. Manufacturer to be a member in good standing of the Synthetic Turf Council.
- B. Manufacturing facility to be ISO 9001 certified.
- C. Certification from supplier of no shock pad related field failures and list with contacts if application failures have occurred.

PART 2 – PRODUCTS

2.01 SYNTHETIC TURF SHOCK PAD

- A. Acceptable Manufacturers:
  - 1. Provide products, as approved by the Architect, from one of the following manufacturers:
    - a. "Armacell"; Armasport TU2.

- b. "Schmitz"; ProPlay
- c. "Brock"; SP Series.
- d. "EnPlast"; ShockDrain 580.

B. The shock pad shall meet or exceed all performance properties listed in the Table below.

<u>Standard</u>	<u>Property</u>	<u>Specification</u>
	Thickness	0.5 Inches (12.7 mm)
	Density	6.5 - 8.5 lb/ft <sup>3</sup>
ASTM D3575	25% Compression Deflection	5 – 8 psi
BS 7044	Infiltration Rate	25+ in/hour (includes turf product)
ASTM D1056	Water Absorption	<5%
ASTM D412	Tensile Strength	80 psi
ASTM F1936	Gmax	80 – 115 (includes turf product)
	Color	Black
	Form	Rolls or Sheets
ASTM G21	Fungus Resistance	Rating 0
ISO 22196	Antimicrobial	<0.1% survival
ASTM D1171	Ozone Resistance	Rating 0 (No Cracking)

### PART 3 - EXECUTION

#### 3.01 PREPARATION

- A. The contractor and the installer shall handle the shock pad with caution to ensure it is not damaged in any way. Precautions shall also be taken to prevent damage to sub-base during the installation.
- B. Prior to the shock pack installation, the sub-base shall be tested and approved by the architect and accepted by the turf system installer according to the specification for the artificial turf system.

#### 3.02 INSTALLATION

- A. Per the plans and specification, install a permeable geotextile liner as applicable.
- B. Install the shock pad per the manufacturers installation recommendations.

#### 3.03 CLEANING

- A. Installer shall clean all debris from shock pad ready to receive artificial turf product.

### SUBMITTAL CHECK LIST

- 1. Product Data.
- 2. Shop Drawings.

END OF SECTION 02791