

**GS# 209-066 New Softball Tennis Complex
Meridian Community College**

ADDENDUM NO. 2

TO: All Bidders on the Above Referenced Product
FROM: Davis Purdy Architects, PLLC
DATE: October 9, 2023
SUBJECT: **ADDENDUM NO. 2**

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM IS REQUIRED ON BID FORM.

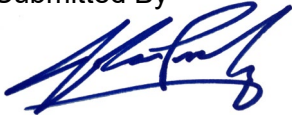
Clarifications and revisions to Contract Documents for the referenced project are as follows:

1. **CLARIFICATION:** Sealed bids can be received either electronically via MAGIC or physically.
 - a. **Electronic Bids** – Bidders submitting electronic bids must registered with MAGIC. Information regarding MAGIC can be found at <https://www.dfa.ms.gov>. Bidders can also email mash@dfa.ms.gov or call 601-359-1343.
 - b. **Physical Bids** – Physical bids shall be delivered to Room 117 of the Woolfolk Building, 501 North West Street, Suite 1401 B, Jackson, MS 39201, until 2:00:00 pm (14:00:00 Military Time) on Friday October 12, 2023.
2. **CLARIFICATION:** Refer to Specification Section **01 60 00 – Substitutions and Product Option** for all substitution procedures.
3. **CHANGE:** The following specifications originally dated 6/21/23 require contractors to be certified participants in AWI's Quality Certification Program:
 - a. Section 06 42 16 – Plastic-Laminate-Faced Architectural Cabinets.
 - b. Section 06 42 19 – Plastic-Laminate-Faced Wood Paneling

- CHANGE Specification Sections 06 42 16 & Section 06 42 19 to NOT REQUIRE contractors to be participants in AWI's Quality Certification Program. However, they do require that the work is performed in accordance with AWI quality standards.
4. **DELETE:** Delete the following from Specification Section **26 56 68 – Exterior Athletic Lighting** dated 6/29/23:
 - a. **PART 4 – DESIGN APPROVAL**
 5. **REPLACE:** Replace the Specification Section **32 52 00 Infilled Synthetic Turf** dated 6/29/23 with Specification Section 32 52 00 Infilled Synthetic Turf dated 10/9/23. Note that 2.2 Drainage has been added to specification section. Specification Section 32 52 00 – Infilled Synthetic Turf is attached.
 6. **CLARIFICATION:** Refer to Specification Section **01 80 00 – Special Requirements** for information regarding Allowances & Alternates.
 7. **CLARIFICATION:** Alternate 5 listed in the contract documents dated 8/11/23 states to remove the following items: Washing Machine, Dryer, and Ice Makers. These items can be found on Architectural Sheet A-S-1.0 dated 8/11/23.
 8. **CLARIFICATION:** The aluminum bleachers adjacent to the tennis courts indicated on the contract documents dated 8/11/23 are to be based on the follow product, or equal to:
 - a. Belson Outdoors, LLC
627 Amersale Drive
Naperville, IL 60563
<https://www.belson.com>
Model BS-0421c (4 steps with chain-link / 21'-0" in length)
 9. **ADD:** Add Pre-bid Conference Meeting Minutes & Sign-In Sheet are attached.

10. CLARIFICATION: The existing Historic Marker located on the project site shall be removed, protected, and reinstalled outside of the project site fencing. Coordinate location with Architect.

Submitted By



John L. Purdy, AIA

Davis Purdy Architects, PLLC

October 9, 2023

SECTION 32 52 00
INFILLED SYNTHETIC TURF

SECTION 32 52 00 – INFILLED SYNTHETIC TURF

1.0 GENERAL REQUIREMENTS

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions apply to this section.

1.2 SCOPE OF WORK

Furnish all labor, materials, tools and equipment necessary to install, in place, all synthetic turf material as indicated on the plans and as specified herein. The installation of all new materials shall be performed in strict accordance with the manufacturer's written installation instruction, and in accordance with all approved shop drawings.

- A. Prior to order of materials, the Turf Contractor shall submit the following:
1. Product Data including Independent Test Lab Results
 2. Installation Details
 3. Sample Warranty
 4. Field layout and striping plans
 5. Details on construction, especially any details that may deviate from plans and specifications.
- B. Prior to the beginning of installation, the manufacturer/installer of the synthetic turf shall inspect the subbase and supply a Certificate of Subbase Acceptance for the purpose of obtaining manufacturer's warranty for the finished synthetic playing surface.
- C. Prior to Final Acceptance, the Contractor shall submit to the Owner three (3) copies of Maintenance Manuals, which will include necessary instructions for the proper care and preventative maintenance of the synthetic turf system, including painting and striping.

1.3 SHOP DRAWINGS

- A. Shop drawings shall be prepared at the scale of the construction documents and contain all pertinent information regarding installation. These drawings shall be submitted to the Owner for approval prior to the manufacturing and shipment of materials.
- B. Submit drawings for:
1. Installation details; edge detail, goal post detail, other inserts and covers, etc.
 2. Striping plan; layouts showing any field lines, markings and boundaries, and field logos per project drawings.

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1.4 QUALITY ASSURANCE

A. Manufacturer/Installer's Experience:

The synthetic turf installer/manufacturer shall have manufactured and installed at least fifty (50) acceptable installations of full-size baseball or softball fields within the past five (5) years with a tufted monofilament fiber synthetic turf infilled with a layered system of pea gravel and rubber. Provide this listing with the bid.

The Turf Contractor shall employ only qualified, experienced supervisors and technicians skilled in the installation of the specified system.

B. Turf Contractor shall meet the following criteria:

1. Turf Contractor must have proper Contractors license, authority to do business in the state bidding, in good standing, and have never had revocation of the same.
2. Turf Contractor must have been in business for ten (10) years under the same name and corporate organization.
3. Turf Contractor must have NOT had a Surety or Bonding Company finish work on any contract within the last ten (10) years.
4. Turf Contractor must have not been disqualified or barred from performing work for any public Owner or other contracting entity in the last ten (10) years.
5. Turf Contractor must not have any fields replaced under warranty.
6. Turf Contractor must not be currently involved with any patent or trademark litigation, specifically being sued or suing for patent infringement.
7. Turf Contractor must be a member of American Sports Builders Association (A.S.B.A) for more than 10 years and be in good standing with the association and must have a Certified Field Builder on staff during the bidding and construction process.
8. Turf Contractor must be a single source contractor. The contractor must install the synthetic turf and the base construction or repair with its own employees (not subcontractors) and must self-perform 100% of total scope of work.
9. Turf Contractor must utilize the Field Lock System US Patent #7,838,096 and have FieldLock certification.
10. Turf Contractor must manufacture its own fiber and synthetic turf, two-step

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distribution is not acceptable. Turf Contractors who do not manufacture their own fiber and synthetic turf shall be disqualified.

11. Turf Contractor must have manufactured its own synthetic turf for at least 10 years.
12. Turf Foreman must currently be employed by Turf Contractor and have been an employee not subcontractor of Turf Contractor for at least the last five years.
13. Turf Contractor must be a member of the Synthetic Turf Council.
14. Turf Contractor must self-perform the laser grading of the stone, curb work, drainage work and all other site work associated with the construction of the synthetic turf field.
15. Turf Contractor must provide liability insurance policy with aggregate umbrella liability coverage of \$10,000,000.
16. The synthetic turf system must have been in service in the U.S. for at least ten years.

C. Warranty:

The Turf Contractor shall submit the synthetic turf manufacturer's warranty. The warranty guarantees the usability and playability of the synthetic turf system for its intended uses for an eight (8) year period commencing with the date of Substantial Completion.

1. The warranty submitted must have the following characteristics:
 - a. Must provide coverage for eight (8) years from the date of Substantial Completion.
 - b. Must warrant materials and workmanship.
 - c. Must verify through a third party that the materials installed meet or exceed the product specifications.
 - d. Must have a provision to either make a cash refund or repair or replace such portions of the installed materials that are no longer serviceable to maintain a serviceable and playable surface.
 - e. Must be a manufacturer's warranty from a single source covering workmanship and all self-manufactured or procured materials.
 - f. Turf Contractor must provide a full eight-year third party insured warranty on the synthetic turf with an aggregate coverage of \$1,000,000.

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INFILLED SYNTHETIC TURF

1.5 EXISTING CONDITIONS

- A. If the surface on which the new synthetic turf system is to be placed is an existing asphaltic/concrete base, the Turf Contractor will be responsible for any damage to the concrete during removal/installation of the synthetic turf system. The foul poles, if any, are to be removed and reinstalled by the Owner or Prime Contractor to facilitate the installation of the new synthetic turf system.
- B. If the surface on which the new synthetic turf system is to be placed is a new asphaltic concrete base or a new base of porous aggregate, the Synthetic Turf Contractor will be responsible for any damage to the subbase during removal/installation of the synthetic turf system *after* the deficiencies (if any) have been corrected as noted on the Certificate of Subbase Acceptability. New foul poles (if any) and/or infield dirt mix backfill within the contiguous turf limits or immediately adjacent thereto are not to be installed by the Owner/Prime Contractor until after the new synthetic turf system has been completed.

1.6 SCHEDULE

- A. Turf Contractor shall complete all work on the synthetic turf system in accordance with the published project schedule.
- B. The Turf Contractor will require unencumbered use of an area within 30 feet of the synthetic turf area(s) being installed in order to complete his work. Turf Contractor shall also be afforded unencumbered access through the construction site to reach the turf field area being installed.

1.7 SURFACE AREA

- A. The Turf Contractor is to verify all measurements.

2.0 PRODUCTS

2.1 MATERIALS

- A. Synthetic turf shall be comprised of a mono fiber tufted and coated with a secondary backing of high grade polyurethane. The synthetic turf yarn shall be comprised of a C8-based linear low density polyethylene polymer (LLDPE) with a 10,000 PPM UV Stabilizer. The fibers shall be tufted to a finished pile height of approximately 1 ¼" - 2 ¼". The turf fabric shall be filled with a layered system of pea gravel and rubber.
- B. All components and their installation method shall be designed and manufactured for use on outdoor athletic fields. The materials as hereinafter specified, should be able to withstand full climatic exposure in all climates, be resistant to insect infestation, rot, fungus and mildew; to ultra-violet light and heat degradation, and shall have the basic characteristic of flow through-drainage allowing free movement of surface run-off through the turf fabric where such water may flow to the existing subbase and into the field drainage system.
- C. The finished playing surface shall appear as mowed grass with no irregularities and shall

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afford excellent traction for conventional athletic shoes of all types. The finished surface shall resist abrasion and cutting from normal use. The installed system shall be suitable for baseball, softball, PE classes, intramurals and recreational use.

- D. Pile yarn (Polyethylene) shall be a proven athletic caliber yarn designed specifically for outdoor use and stabilized to resist the effect of ultraviolet degradation, heat, foot traffic, water and airborne pollutants.
- E. Base Bid: Infill shall be comprised of virgin, tumbled, rounded olive kernel particles sourced from the olive trees. Infill will be a minimum of 75% of synthetic turf pile height.

Infill shall have the following properties:

- a. Composition 100% Olive Particles
- b. Color Brown
- c. Odor Neutral
- d. Particle Shape Tumbled, Rounded
- e. Particle Size 1-2 mm
- f. Bulk Density 770 kg/m³
- g. Water absorption by Weight 30%
- h. Disposal Repurposable in natural areas
- i. Toxicity Non-Toxic

Basis of Design: Elia Renufill organic infill in accordance with the manufacturer's recommendations and the owner's preference. Or equal.

Alternate no 3: Infill material shall be layered system of pea gravel and rubber in accordance with the manufacturer's recommendations and the owner's preference and shall be constructed in accordance with the United States Patent #6,800,339 B. Infill will be a minimum of 75% of synthetic turf pile height. Basis of Design: Major Play Matrix® as manufactured by Hellas Construction, Inc. Or equal.

- F. Perimeter and interior edge details, underground storm sewer piping and connections, and goalpost foundations required for the system shall be as detailed and recommended by the manufacturer, and as approved by the Owner.

	<u>Standard</u>	<u>Property</u>	<u>Specification</u>
1	ASTM D418/D584 8	Pile Weight Hi-Traffic area includes an 18 oz polyethylene secondary yarn (grass-like thatch)	Infield 42 oz. /SY Skin Area 42 oz. /SY Hi-Traffic 80 oz. /SY Outfield 42 oz. /SY Warning Track 42 oz. /SY

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2	ASTM D5848	Primary and Secondary Backing Weight	7.9 oz /SY
3	ASTM D5848	Secondary Coating Weight	22 oz. /SY
4	ASTM D5848	Total Weight	Infield 71.9 oz /SY Skin Area 71.9 oz /SY Hi-Traffic 109.9 oz /SY Outfield 71.9 oz /SY Warning Track 71.9 oz /SY
5	ASTM D1907	Yarn Denier primary yarn Yarn Denier secondary yarn	12,400 5,000
6	ASTM D418/D5848	Pile Height	Infield 1 1/2" – 2" Skin Area 1 1/4" – 1 3/4" Hi-Traffic 1 1/4" – 1 3/4" Outfield 1 3/4" – 2" 1/4" Warning Track 1 1/4" – 1 3/4"
7	ASTM D5793	Tufting Gauge	1/2"
8	ASTM D5848	Primary Backing	Tri-layer woven Polypropylene

9	ASTM D5848	Secondary Coating	Polyurethane
10	ASTM D1335	Tuft Bind without Infill	10 lbs. +/-
11	ASTM D1682/D5034	Grab Tear (length)	>300 lbs. Force
12	ASTM D1682/D5034	Grab Tear (width)	>350 lbs. Force
13	ASTM D4991	Carpet Permeability	>40 inches/hour
14	ASTM D2859	Flammability (Pill Burn)	Pass
15	ASTM F355	G-max (Impact Attenuation)	<200 over warranty life
16	ASTM E-11	Realfill Infill Weight	5-6.5 lbs
17		RealFill Infill Ratios Infield Skin Area Hi-Traffic Outfield	70% pea gravel / 30% rubber 80% pea gravel / 20% rubber 80% pea gravel / 20% rubber 65% pea gravel / 35% rubber 100% pea gravel

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	Warning Track	and sand
18	Fabric Width	15'
19	Perforation	3/16" Holes 4" x 4"
20	ASTM D3218 Yarn	Average thickness 170 microns C8 LLDPE Resin 10,000 PPM UV stabilizer
All Characteristics listed above are nominal +/- 5%		

Major Play Matrix® synthetic turf incorporates life like individual blades of grass, tufted into the strongest and most dimensionally stable backing system available with a polyurethane pre-coat for the ultimate in tuft-bind.

Due to the many variations in manufacturing dye lots, it should be expected that some variation in fiber color exists. Although we consider these variances to be minimal, there is no way to assure exact color and absolute uniformity of color hues. Variances in color amongst fiber does not affect the performance or warranty of the fiber.

2.2 DRAINAGE

- A. Impervious Liner – Provide and Install 30 mil impervious liner over subgrade, under perimeter collector pipe and attach to nailer.
- B. Nailer – Provide and install +/- 1,164 lineal feet of composite 2"x4" nailer.
- C. Composite Flat Drain – Provide and install 1"x12" composite flat drain at 20'-0" O.C.
- D. Drainage Stone – Provide and place 4" permeable base stone and 2" permeable finish stone; each course laser graded and compacted to proper planarity and density.

3.0 EXECUTION

3.1 GENERAL

- E. The installation shall be performed in full compliance with approved shop drawings.
- F. Only factory-trained technicians, skilled in the installation of athletic caliber synthetic turf systems working under the direct supervision of the synthetic turf manufacturer's installation supervisors shall undertake the placement of the system.
- G. The surface to receive the synthetic turf shall be inspected and certified by the turf manufacturer as ready for the installation of the synthetic turf system and must be perfectly clean as installation commences and shall be maintained in that condition

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throughout the process.

3.1 INSTALLATION

- A. The subbase and curbs shall be inspected by the Engineer or Sitework Contractor by means of a laser level and plotted on a 10-foot grid. Based upon the Turf Contractor's inspection of the topological survey, the Sitework Contractor shall fine grade the subbase suitably - including properly rolling and compacting the base to achieve a surface planarity within $\frac{1}{4}$ " in 10 feet (+0, - $\frac{1}{4}$ "0). CONTRACTOR SHALL NOT APPROVE THE SUBBASE FOR TOLERANCE TO GRADE WITHOUT OBTAINING THE TOPOLOGICAL SURVEY.
- B. The Turf Project Superintendent shall thoroughly inspect all materials delivered to the site both for quality and quantity to assure that the entire installation shall have sufficient materials to maintain the schedule and proper mixing ratios.
- C. Synthetic turf shall be loose laid across the field and attached to the perimeter edge detail. Turf shall be of sufficient length to permit full cross-field installation. No head or cross seams will be allowed, except as required for inlaid fabric striping or to accommodate programmed cut-outs.
- D. All seams shall be flat, tight, and permanent with no separation or fraying. All seams and markings shall be adhered to a special tape with a single component, high strength polyurethane adhesive applied per the Turf Supplier's standard procedures for outdoor applications.
- E. Infill materials shall be properly applied in numerous thin lifts using special broadcasting equipment to produce a layered system of pea gravel and SBR rubber particles. The turf shall be raked and brushed properly as the mixture is applied. The layered system of pea gravel and rubber infill materials can only be applied when the turf fabric is dry.
- F. Weather/climatic conditions may be a factor in delay of installation, but shall not warrant the accrual of additional liquidated damages. Should the ambient outdoor temperature fall below 45 degrees Fahrenheit, the Turf Contractor and Owner will discuss available options and/or stoppage of work. However, the final decision shall be at the Turf Contractor's discretion.

3.1 FIELD MARKINGS AND DECORATIONS

- A. Field markings and decorations shall be installed in accordance with approved project shop drawings.

3.1 CLEAN UP

- A. Turf Contractor shall provide the labor, supplies and equipment as necessary for final cleaning of surfaces and installed items.
- B. All usable remnants of new material shall become the property of the Owner.

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- C. The Turf Contractor shall keep the area clean throughout the project and clear of debris.
- D. Surfaces, recesses, enclosures, etc., shall be cleaned as necessary to leave the work area in a clean, immaculate condition ready for immediate occupancy and use by the Owner.

4.0 OTHER MATERIALS AND EQUIPMENT

A. Maintenance Equipment

Provide one (1) towed, non-powered Turf Sweeper with hitch, excluding prime mover vehicle. The sweeper attachment shall be of sufficient size to cover a 36" wide swath in a single pass. The sweeper attachment shall be fitted with synthetic bristle brushes as recommended by the synthetic turf manufacturer and shall be used primarily to collect surface debris.

END OF SECTION

Prebid Conference - Sign in Sheet

	Name	Company	Phone	Email
1	Kyle Valentine	Hellas	7699903455	Kvalentine@hellasconstruction.com
2	John Fursty	D+P ARCHITECTS	601 577 8223	johnedavisfurstyarchitects.com
3	HOWARD RAWLS	BOB	401-359-3621	Shomari.crawls@fa.ms.gov
4	Mark Davis	D+P Architects	601/940-0761	Mark@davis.pandp.architects.com
5	Drew Edwards	MLC	601) 227-1763	cedward15@meridianc.edu
6	James Price	mcc	601-479-0956	JPrice9@meridianc.edu
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**GS# 209-066 New Softball Tennis Complex
Meridian Community College**

Pre-Bid Conference Meeting Minutes

TO: All Bidders on the Above Referenced Product
FROM: Davis Purdy Architects, PLLC
DATE: October 5, 2023
SUBJECT: **PRE-BID CONFERENCE**

1. Shomari Rawls (MS DFA) briefly reviewed the “front end” specifications, which includes Division 00 & Division 01.
2. Two ways to submit bids:
 - a. Electronic – Submit via MAGIC. All bidders must be registered with MAGIC to submit electronic bids. Bidders can acquire information regarding electronic bids by either calling 601-359-1343 or emailing mash@dfa.ms.gov
 - b. Physical – Bids shall be delivered to Room 117 of the Woolfolk Building, 501 North West Street, Suite 1401 B, Jackson, MS 39201, until 2:00:00 pm (14:00:00 Military Time) on Thursday October 12, 2023.
3. RFX Number for this project is: RFX# 316 000-6160.
4. Shomari reminded everyone present that the Addendum “cut-off” is at 5:00 pm on Monday October 9, 2023.
5. Shomari also discussed requirements for Certificate of Responsibility and Bid Security. Both are stated in contract documents.
6. Davis Purdy Architects gave a brief overview/description of the project.

End of Minutes