

# **Dover Area School District**

ADMINISTRATION/BUSINESS OFFICE  
101 EDGEWAY ROAD • DOVER • PENNSYLVANIA 17315-1498  
(717) 292-3671 FAX (717) 292-9659  
January 30, 2026

## **Request for Proposal**

### **Turf Field Replacement Middle School Stadium**

The Dover Area School District is accepting proposals for replacement of the synthetic turf field located at the Dover Area Middle School stadium. The proposal acceptance process will begin on January 30, 2026 and must be electronically submitted to the Director of Facilities ([tjfluke@doversd.org](mailto:tjfluke@doversd.org)) no later than 4:00 PM on February 27, 2026.

#### ***General Conditions & Specifications:***

Remove the existing synthetic turf in accordance with the requirements in attachment A, form 024119-1, selective demolition provided by the athletic facility consultant firm Turf, Track & Court. Provide and install the new synthetic turf in accordance with the requirements and specifications of attachment B, form 321813-1 synthetic turf athletic field provided by the athletic facility consultant firm Turf, Track & Court. Adhere to all of the provided prints of the turf field to reflect the requirements of these prints in all aspects. Work with the Dover Area School District and affiliated athletic facility consultant firm to achieve a completed project. The project will not be deemed complete until the athletic facility consulting firm Turf, Track & Court, along with the Dover Area School District, agree that all of the terms enclosed in the attachments have been met and satisfied. The contractor is responsible for the coordination and safety of the job site. Onsite work is to be started after May 31, 2026, and final completion by August 21, 2026

#### **Specification under the contract as follows:**

1. Contractor to provide all necessary labor, material, equipment and permits to complete the project.
2. Job must be bid following the prevailing wage requirements of the Pennsylvania Department of Labor and Industry.
3. Contractor must adhere to the attachments (A 024119-1 and B 321813-1) provided by the athletic facility consultant firm Turf, Track & Court.
4. All containers and trash created by the contractor shall be removed from Dover Area School District property.
5. The contractor is to be liable for damage to all property. Vehicles may not be left unoccupied without the prior removal of the ignition key.
6. It is the contractor's responsibility to make themselves familiar with all locations and site conditions prior to proposal submission. Dover Area School District will not accept any additional charges or delays for failure to do so. Onsite visits must be scheduled through the Director of Facilities.

7. Proposal must be submitted in electronic format to the office of the Director of Facilities no later than 4:00 PM on February 27, 2026.
8. In the event of a delay in the synthetic turf field replacement project final completion / approval date as listed, the contractor shall pay liquidated damages to Dover Area School District in the amount of \$750 per day.

**Insurance:**

A. Contractor shall carry the following forms of insurance applying to all operations by him, his agents and employees, and shall provide proof of such coverage. Insurance Needed – From signing of the Contract until final payment, the Contractor shall at its expense, purchase and maintain the following insurance with companies properly licensed, having a Best Rating of A or A+, and satisfactory to the District and its insurance carrier. All insurance shall be carried with companies that are financially responsible. If any such insurance is due to expire during the construction period, the Contractor shall not permit the coverage to lapse and shall furnish evidence of coverage to the Owner.

- 1) Workers Compensation, including Occupational Disease, and Employer's Liability Insurance:
  - a) Statutory – Amounts and coverage as required by Commonwealth of Pennsylvania Workmen's Compensation laws.
  - b) Employer's Liability at least \$500,000 each accident; \$500,000 disease policy limits; \$500,000 disease each employee.
- 2) Public Liability including coverage for direct operations, sublet work, personal and advertising injury, bodily injury, property damage with explosion, collapse, and underground hazard coverage (X, C, U) Contractual liability, products, and completed operations with limits not less than those states below.
  - a) General Aggregate \$1,000,000  
(Other than Products and Completed Operations)
    - b) Products and Completed Operations Aggregate \$1,000,000
    - c) Personal and Advertising Injury \$1,000,000
    - d) Each Occurrence \$1,000,000
  - 3) Comprehensive Automobile Liability Insurance including coverage for owned, non-owned, and hired vehicles with limits not less than those stated below.
    - a) Bodily Injury and Property Damage Combined \$1,000,000
  - 4) Umbrella Liability policy minimum coverage \$3,000,000 each occurrence to override all Comprehensive Liability Policies.
  - 5) Contractor shall submit to the Owner within five (5) days of the award of a Contract, an appropriate Certificate of Insurance which certifies that the company is covered by insurance requirements as stated in sections A, 1) – 5). A notarized letter shall accompany certificate of Insurance from the Contractor's insurance carrier advising the Owner to what degree the aggregate limit has been impaired. Further, the Contractor fully understands that failure to timely submit the Certificate of Insurance shall give the Owner the option to withdraw the award.
    - a) Contractor's Certificate of Insurance shall be submitted to the Owner on the standard 'Acord' Form.

b) The Contractor shall require the Insurance Company to modify the cancellation reporting policy (as written in the lower right-hand of the 'Acord' Form) to read as follows:

Should any of the above-described policies be cancelled before the expiration date thereof, the issuing company will mail within sixty (60) days written notice to the certificate holder named to the left.

c) Dover Area School District must be named as "additional insured" on a primary, non- contributory basis with regards to general liability, auto liability and pollution liability (if applicable)

d) Contractor shall require all subcontractors (of every tier) to meet the same insurance criteria as required of the Contractor. The subcontractors' insurance must also name the Dover Area School District as additional insureds on a primary, non-contributory basis. The Contractor shall maintain each subcontractors' certificate of insurance on file and provide such information to the Dover Area School District for review upon request.

e) None of the requirements contained herein as to the types, limits, or Dover Area School District's approval of insurance coverage to be maintained by Contractors are intended to and shall not in any manner, limit, qualify, or quantify the liabilities and obligations assumed by Contractor under the Contract Documents, any other agreement with Dover Area School District, or otherwise provided by law.

B. In accord with the provisions of this Article, the Owner hereby notifies the Contractors that the Owner does not intend to carry Property Insurance on construction materials, stored on or off site, or in transit, nor construction equipment stored or in transit.

**Bonds:**

- 1) A Bid Bond of 10% of base bid amount is required to be submitted with Bid.
- 2) Both a Performance Bond and Payment Bond will be required, each in an amount equal to 100% of contract sum.

## BID PROPOSAL

The following bid proposal is submitted in response to your Invitation to Bid. It is agreed that this proposal will not be withdrawn for thirty (30) days after the date of opening of proposals.

This contractor has carefully examined all contract document specifications and certified he/she is fully capable of providing and installing the kitchen equipment as per the specifications. If the bid is accepted, the contractor agrees to provide a certification of liability insurance.

Bid amounts and all other information requested are submitted in the spaces provided and the bottom of this page. It is understood that omission of any pertinent information may be sufficient cause for rejection of the proposal.

### IDENTIFICATION OF BIDDER/CONTRACTOR

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Name of Bidding Company

---

Date

---

Address

---

Signature of Authorized Representative

---

City, State and Zip

---

Printed Name of Authorized Representative

---

Contact Name

---

COSTARS Cooperative Purchasing Number  
(if applicable)

---

Phone Number

---

Keystone Purchasing Network Participant (if applicable)

---

Email Address

DOCUMENT 004116 - BID FORM - STIPULATED SUM GENERAL

1.1 BID INFORMATION

- A. Bidder: \_\_\_\_\_.
- B. Prime Contract: \_\_\_\_\_.
- C. Project Name: **Synthetic Turf Replacement.**
- D. Project Location: **Dover Area Middle School Campus.**
- E. Owner: **Dover Area School District**
- F. Landscape Architect: **Turf, Track & Court, LLC**
- G. Landscape Architect Project Number: **01-122-002**

1.2 CERTIFICATIONS AND BASE BID

- A. Base Bid, Single-Prime Contract for Synthetic Turf Replacement: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by Dover Area School District and Turf, Track & Court, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment, and services necessary to complete the construction Synthetic Turf Replacement Work for above-named Project, in accordance with the requirements of the Procurement and Contracting Documents, for the stipulated sum of:

- 1. \_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_).
- 2. The above amount may be modified by amounts indicated by the Bidder under the "Alternates" Article below.

1.3 ALTERNATES

- A. The undersigned Bidder proposes the amount below be added to or deducted from the Base Bid if particular Alternates are accepted by Owner. Amounts listed for each alternate include costs of related coordination, modification, or adjustment.
- B. If the alternate does not affect the Contract Sum, the Bidder to indicate "NO CHANGE."
- C. If the alternate does not affect the Work of this Contract, the Bidder to indicate "NOT APPLICABLE."
- D. The Bidder is responsible for determining from the Contract Documents the effects of each alternate on the Contract Sum.

E. Owner reserves the right to accept or reject any Alternate, in any order, and to award or amend the Contract accordingly within sixty (60) days of the Notice of Award unless otherwise indicated in the Contract Documents.

F. Acceptance or non-acceptance of any Alternates by Owner is to have no effect on the Contract Time unless the Alternate description below provides a formatted space for the adjustment of the Contract Time.

G. **Alternate No. 1: Synthetic Turf (2").**

1.  ADD  DEDUCT  NO CHANGE  NOT APPLICABLE.
2. \_\_\_\_\_ Dollars (\$\_\_\_\_\_).

H. **Alternate No. 2: Resilient Underlayment - Rubber Pad (12 mm).**

1.  ADD  DEDUCT  NO CHANGE  NOT APPLICABLE.
2. \_\_\_\_\_ Dollars (\$\_\_\_\_\_).

I. **Alternate No. 3: Resilient Underlayment – Other.**

1.  ADD  DEDUCT  NO CHANGE  NOT APPLICABLE.
2. \_\_\_\_\_ Dollars (\$\_\_\_\_\_).

**1.4 BID SECURITY**

A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within twenty-one (21) days after a written Notice of Award, if offered within sixty (60) days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached Bid Security, as liquidated damages for such failure as follows:

1. In the following amount constituting 10 percent of the Base Bid amount above:

- a. \_\_\_\_\_ Dollars (\$\_\_\_\_\_).

B. Form of Bid Security: Bidder has attached the following:

1.  AIA Document A310-2010, "Bid Bond."
2.  Cashier's check.
3.  Certified check.

C. In the event Owner does not offer a Notice of Award within the time limits stated above, Owner will return to the undersigned the cashier's check, certified check, or bid bond.

**1.5 SUBCONTRACTORS AND SUPPLIERS**

A. The following companies to execute subcontracts for the portions of the Work indicated:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

1.6 TIME OF COMPLETION

A. Time of Completion:

1. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Architect, and to substantially complete the Work by August 21, 2026.

1.7 ACKNOWLEDGMENT OF ADDENDA

A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

1. Addendum No. 1, dated \_\_\_\_\_.
2. Addendum No. 2, dated \_\_\_\_\_.
3. Addendum No. 3, dated \_\_\_\_\_.
4. Addendum No. 4, dated \_\_\_\_\_.

1.8 BID SUPPLEMENTS

A. The following supplements are a part of this Bid Form and are attached hereto:

1. Bid Form Supplement – Bid Cover Sheet
2. Bid Form Supplement – Bid Bond
3. Bid Form Supplement – Non-Collusion Affidavit
4. Bid Form Supplement – Pa Public Works Employment Verification Act Form

1.9 CONTRACTOR'S LICENSE

A. The undersigned further states that it is a duly licensed Contractor, for the type of work proposed, in West York Borough / West Manchester Township, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.10 SUBMISSION OF BID

- A. Respectfully submitted this \_\_\_\_\_ day of \_\_\_\_\_ 2026.
- B. Submitted by: \_\_\_\_\_ (Name of bidding firm or corporation).
- C. Authorized Signature: \_\_\_\_\_ (Handwritten signature).

SYNTHETIC TURF REPLACEMENT  
DOVER AREA SCHOOL DISTRICT

01-122-002

D. Signed by: \_\_\_\_\_ (Type or print name).

E. Title: \_\_\_\_\_ (Owner/Partner/President/VP).

F. Witnessed by: \_\_\_\_\_ (Handwritten signature).

G. Attest: \_\_\_\_\_ (Handwritten signature).

H. By: \_\_\_\_\_ (Type or print name).

I. Attester Title: \_\_\_\_\_ (Corporate Secretary or Assistant Secretary).

J. Street Address:  
\_\_\_\_\_.

K. City, State, Zip:  
\_\_\_\_\_.

L. Phone:  
\_\_\_\_\_.

M. License No.:  
\_\_\_\_\_.

N. Federal ID No.:  
\_\_\_\_\_.

O. (Affix Corporate Seal Here)

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF DOCUMENT 004116

**BUREAU OF LABOR LAW COMPLIANCE  
PREVAILING WAGES PROJECT RATES**

Project Name:	DASD M.S. Stadium Turf Field Project
General Description:	Replacement of existing synthetic turf field, with new synthetic turf.
Project Locality	Dover Township
Awarding Agency:	Dover Area School District
Contract Award Date:	2/27/2026
Serial Number:	26-00834
Project Classification:	Highway
Determination Date:	1/29/2026
Assigned Field Office:	Harrisburg
Field Office Phone Number:	(717)787-4763
Toll Free Phone Number:	(800)932-0665
Project County:	York County

**BUREAU OF LABOR LAW COMPLIANCE  
PREVAILING WAGES PROJECT RATES**

Project: 26-00834 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Asbestos & Insulation Workers	6/30/2025		\$41.50	\$29.86	\$71.36
Boilermaker (Commercial, Institutional, and Minor Repair Work)	3/1/2024		\$36.71	\$19.13	\$55.84
Boilermakers	1/1/2024		\$52.10	\$35.72	\$87.82
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/4/2025		\$40.47	\$19.68	\$60.15
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/3/2026		\$42.32	\$19.68	\$62.00
Carpenters - Piledriver/Welder	1/1/2025		\$43.38	\$22.72	\$66.10
Carpenters - Piledriver/Welder	1/1/2026		\$44.63	\$23.47	\$68.10
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2025		\$36.84	\$20.44	\$57.28
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2026		\$36.84	\$22.69	\$59.53
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2027		\$36.84	\$24.94	\$61.78
Cement Finishers & Plasterers	5/4/2025		\$32.23	\$22.27	\$54.50
Cement Finishers & Plasterers	5/3/2026		\$34.23	\$22.27	\$56.50
Cement Finishers & Plasterers	5/3/2027		\$33.49	\$25.01	\$58.50
Cement Masons	5/1/2025		\$36.00	\$21.30	\$57.30
Drywall Finisher	5/1/2025		\$31.83	\$23.26	\$55.09
Electricians	6/1/2025		\$40.00	\$27.78	\$67.78
Electricians	6/1/2026		\$40.00	\$29.78	\$69.78
Elevator Constructor	1/1/2025		\$63.40	\$40.03	\$103.43
Elevator Constructor	1/1/2026		\$61.26	\$45.78	\$107.04
Glazier	5/1/2024		\$32.46	\$20.93	\$53.39
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2025		\$38.76	\$33.38	\$72.14
Laborers (Class 01 - See notes)	5/1/2023		\$23.26	\$18.03	\$41.29
Laborers (Class 02 - See notes)	5/1/2023		\$25.26	\$18.03	\$43.29
Laborers (Class 03 - See notes)	4/30/2023		\$26.47	\$18.22	\$44.69
Laborers (Class 04 - See notes)	4/30/2023		\$27.97	\$18.22	\$46.19
Laborers (Class 05 - See notes)	4/30/2023		\$28.47	\$18.22	\$46.69
Laborers (Class 06 - See notes)	5/1/2023		\$25.26	\$18.03	\$43.29
Marble Mason	5/1/2025		\$37.20	\$19.24	\$56.44
Marble Mason	5/1/2026		\$39.15	\$19.24	\$58.39
Millwright	6/1/2025		\$43.00	\$22.95	\$65.95
Millwright	6/1/2026		\$44.97	\$22.95	\$67.92
Operators (Building, Class 01 - See Notes)	5/1/2025		\$44.89	\$30.92	\$75.81
Operators (Building, Class 01 - See Notes)	5/1/2026		\$46.05	\$31.76	\$77.81
Operators (Building, Class 01A - See Notes)	5/1/2025		\$47.14	\$31.58	\$78.72
Operators (Building, Class 01A - See Notes)	5/1/2026		\$48.30	\$32.42	\$80.72
Operators (Building, Class 02 - See Notes)	5/1/2025		\$44.61	\$30.83	\$75.44
Operators (Building, Class 02 - See Notes)	5/1/2026		\$45.77	\$31.67	\$77.44
Operators (Building, Class 02A - See Notes)	5/1/2025		\$46.86	\$31.50	\$78.36
Operators (Building, Class 02A - See Notes)	5/1/2026		\$48.02	\$32.34	\$80.36
Operators (Building, Class 03 - See Notes)	5/1/2025		\$41.88	\$30.03	\$71.91

**BUREAU OF LABOR LAW COMPLIANCE  
PREVAILING WAGES PROJECT RATES**

Project: 26-00834 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Building, Class 03 - See Notes)	5/1/2026		\$43.04	\$30.87	\$73.91
Operators (Building, Class 04 - See Notes)	5/1/2025		\$40.74	\$29.70	\$70.44
Operators (Building, Class 04 - See Notes)	5/1/2026		\$41.90	\$30.54	\$72.44
Operators (Building, Class 05 - See Notes)	5/1/2025		\$40.30	\$29.56	\$69.86
Operators (Building, Class 05 - See Notes)	5/1/2026		\$41.45	\$30.41	\$71.86
Operators (Building, Class 06 - See Notes)	5/1/2025		\$39.42	\$29.30	\$68.72
Operators (Building, Class 06 - See Notes)	5/1/2026		\$40.58	\$30.14	\$70.72
Operators (Building, Class 07A- See Notes)	5/1/2025		\$54.56	\$35.21	\$89.77
Operators (Building, Class 07A- See Notes)	5/1/2026		\$56.03	\$36.14	\$92.17
Operators (Building, Class 07B- See Notes)	5/1/2025		\$54.22	\$35.10	\$89.32
Operators (Building, Class 07B- See Notes)	5/1/2026		\$55.69	\$36.03	\$91.72
Painters Class 1 (see notes)	5/1/2024		\$27.59	\$18.08	\$45.67
Painters Class 1 (see notes)	5/1/2025		\$28.42	\$18.36	\$46.78
Painters - Line Stripping	12/1/2024		\$44.12	\$27.91	\$72.03
Painters - Line Stripping	12/1/2025		\$45.12	\$29.41	\$74.53
Painters Class 2 (see notes)	5/1/2020		\$27.43	\$15.99	\$43.42
Painters Class 3 (see notes)	5/1/2020		\$33.18	\$15.99	\$49.17
Pile Driver Divers (Building, Heavy, Highway)	1/1/2025		\$62.82	\$22.72	\$85.54
Pile Driver Divers (Building, Heavy, Highway)	1/1/2026		\$64.70	\$23.47	\$88.17
Piledrivers	1/1/2025		\$41.88	\$22.72	\$64.60
Piledrivers	1/1/2026		\$43.13	\$23.47	\$66.60
Plasterers	5/1/2024		\$32.93	\$21.08	\$54.01
Plasterers	5/1/2025		\$34.68	\$21.23	\$55.91
Plumber/Pipefitter	5/1/2025		\$45.30	\$29.91	\$75.21
Roofers (Composition)	5/1/2024		\$44.13	\$34.77	\$78.90
Roofers (Composition)	5/1/2025		\$46.03	\$34.77	\$80.80
Roofers (Shingle)	5/1/2024		\$34.35	\$22.20	\$56.55
Roofers (Slate & Tile)	5/1/2024		\$37.35	\$22.20	\$59.55
Sheet Metal Workers	6/1/2024		\$43.09	\$43.14	\$86.23
Sheet Metal Workers	6/1/2025		\$45.02	\$44.71	\$89.73
Sign Makers and Hangars	7/15/2024		\$32.32	\$25.82	\$58.14
Sign Makers and Hangars	7/15/2025		\$33.48	\$26.41	\$59.89
Sprinklerfitters	4/1/2024		\$46.45	\$28.62	\$75.07
Sprinklerfitters	4/1/2025		\$49.75	\$29.21	\$78.96
Terrazzo Finisher	5/1/2024		\$35.66	\$20.76	\$56.42
Terrazzo Finisher	5/1/2025		\$36.32	\$21.68	\$58.00
Terrazzo Grinder	5/1/2024		\$36.42	\$20.76	\$57.18
Terrazzo Grinder	5/1/2025		\$37.10	\$21.68	\$58.78
Terrazzo Mechanics	5/1/2024		\$36.44	\$22.51	\$58.95
Terrazzo Mechanics	5/1/2025		\$37.17	\$23.43	\$60.60
Tile & Marble Finisher	5/1/2025		\$35.31	\$16.99	\$52.30
Tile & Marble Finisher	5/1/2026		\$37.26	\$16.99	\$54.25
Tile Setter	5/1/2025		\$39.15	\$19.24	\$58.39
Tile Setter	5/1/2026		\$39.15	\$19.24	\$58.39

**BUREAU OF LABOR LAW COMPLIANCE  
PREVAILING WAGES PROJECT RATES**

Project: 26-00834 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Truckdriver class 1(see notes)	5/1/2025		\$41.87	\$0.00	\$41.87
Truckdriver class 2 (see notes)	5/1/2025		\$41.94	\$0.00	\$41.94
Truckdriver class 3 (see notes)	5/1/2025		\$42.43	\$0.00	\$42.43
Window Film / Tint Installer	6/1/2024		\$26.37	\$14.83	\$41.20

**BUREAU OF LABOR LAW COMPLIANCE  
PREVAILING WAGES PROJECT RATES**

Project: 26-00834 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Carpenter	5/1/2025		\$36.87	\$20.49	\$57.36
Carpenter	5/1/2026		\$37.63	\$21.18	\$58.81
Carpenter Welder	5/1/2025		\$37.62	\$20.49	\$58.11
Carpenter Welder	5/1/2026		\$38.38	\$21.18	\$59.56
Carpenters - Piledriver/Welder	1/1/2025		\$37.62	\$20.49	\$58.11
Carpenters - Piledriver/Welder	1/1/2026		\$38.38	\$21.18	\$59.56
Cement Finishers	6/1/2016		\$27.60	\$20.85	\$48.45
Electric Lineman	6/3/2024		\$52.80	\$30.61	\$83.41
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2024		\$37.26	\$32.63	\$69.89
Laborers (Class 01 - See notes)	5/1/2025		\$26.61	\$19.99	\$46.60
Laborers (Class 02 - See notes)	5/1/2025		\$33.23	\$19.99	\$53.22
Laborers (Class 03 - See notes)	5/1/2025		\$30.22	\$19.99	\$50.21
Laborers (Class 04 - See notes)	5/1/2025		\$30.57	\$19.99	\$50.56
Laborers (Class 05 - See notes)	5/1/2025		\$31.24	\$19.99	\$51.23
Laborers (Class 06 - See notes)	5/1/2025		\$30.66	\$19.99	\$50.65
Laborers (Class 07 - See notes)	5/1/2025		\$30.95	\$19.99	\$50.94
Laborers (Class 08 - See notes)	5/1/2025		\$31.43	\$19.99	\$51.42
Millwright	6/1/2025		\$45.46	\$23.33	\$68.79
Millwright	6/1/2026		\$47.52	\$23.33	\$70.85
Operators (Heavy, Class 01 - See Notes)	5/1/2025		\$43.46	\$30.50	\$73.96
Operators (Heavy, Class 01 - See Notes)	5/1/2026		\$44.61	\$31.35	\$75.96
Operators (Heavy, Class 01A - See Notes)	5/1/2025		\$45.71	\$31.16	\$76.87
Operators (Heavy, Class 01A - See Notes)	5/1/2026		\$46.86	\$32.01	\$78.87
Operators (Heavy, Class 02 - See Notes)	5/1/2025		\$43.18	\$30.41	\$73.59
Operators (Heavy, Class 02 - See Notes)	5/1/2026		\$44.34	\$31.25	\$75.59
Operators (Heavy, Class 02A - See Notes)	5/1/2025		\$45.43	\$31.08	\$76.51
Operators (Heavy, Class 02A - See Notes)	5/1/2026		\$46.59	\$31.92	\$78.51
Operators (Heavy, Class 03 - See Notes)	5/1/2025		\$40.26	\$29.55	\$69.81
Operators (Heavy, Class 03 - See Notes)	5/1/2026		\$41.43	\$30.38	\$71.81
Operators (Heavy, Class 04 - See Notes)	5/1/2025		\$39.12	\$29.22	\$68.34
Operators (Heavy, Class 04 - See Notes)	5/1/2026		\$40.28	\$30.06	\$70.34
Operators (Heavy, Class 05 - See Notes)	5/1/2025		\$38.67	\$29.09	\$67.76
Operators (Heavy, Class 05 - See Notes)	5/1/2026		\$39.83	\$29.93	\$69.76
Operators (Heavy, Class 06 - See Notes)	5/1/2025		\$37.80	\$28.82	\$66.62
Operators (Heavy, Class 06 - See Notes)	5/1/2026		\$38.96	\$29.66	\$68.62
Operators (Heavy, Class 07A - See Notes)	5/1/2025		\$52.85	\$34.71	\$87.56
Operators (Heavy, Class 07A - See Notes)	5/1/2026		\$54.32	\$35.64	\$89.96
Operators (Heavy, Class 07B - See Notes)	5/1/2025		\$52.51	\$34.60	\$87.11
Operators (Heavy, Class 07B - See Notes)	5/1/2026		\$53.97	\$35.54	\$89.51
Operators (Highway, Class 01 - See Notes)	5/1/2025		\$42.56	\$30.24	\$72.80
Operators (Highway, Class 01 - See Notes)	5/1/2026		\$43.72	\$31.08	\$74.80
Operators (Highway, Class 01a - See Notes)	5/1/2025		\$44.81	\$30.92	\$75.73
Operators (Highway, Class 01a - See Notes)	5/1/2026		\$45.97	\$31.76	\$77.73
Operators (Highway, Class 02 - See Notes)	5/1/2025		\$41.39	\$29.89	\$71.28

**BUREAU OF LABOR LAW COMPLIANCE  
PREVAILING WAGES PROJECT RATES**

Project: 26-00834 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Highway, Class 02 - See Notes)	5/1/2026		\$42.55	\$30.73	\$73.28
Operators (Highway, Class 03 - See Notes)	5/1/2025		\$40.70	\$29.68	\$70.38
Operators (Highway, Class 03 - See Notes)	5/1/2026		\$41.87	\$30.51	\$72.38
Operators (Highway, Class 04 - See Notes)	5/1/2025		\$40.26	\$29.54	\$69.80
Operators (Highway, Class 04 - See Notes)	5/1/2026		\$41.41	\$30.39	\$71.80
Operators (Highway, Class 05 - See Notes)	5/1/2025		\$39.73	\$29.41	\$69.14
Operators (Highway, Class 05 - See Notes)	5/1/2026		\$40.89	\$30.25	\$71.14
Operators (Highway, Class 06 - See Notes)	5/1/2025		\$42.80	\$30.30	\$73.10
Operators (Highway, Class 06 - See Notes)	5/1/2026		\$43.95	\$31.15	\$75.10
Operators (Highway, Class 06/A - See Notes)	5/1/2025		\$45.05	\$30.96	\$76.01
Operators (Highway, Class 06/A - See Notes)	5/1/2026		\$46.21	\$31.80	\$78.01
Operators (Highway, Class 07/A - See Notes)	5/1/2025		\$51.79	\$34.38	\$86.17
Operators (Highway, Class 07/A - See Notes)	5/1/2026		\$53.25	\$35.32	\$88.57
Operators (Highway, Class 07/B - See Notes)	5/1/2025		\$50.37	\$33.97	\$84.34
Operators (Highway, Class 07/B - See Notes)	5/1/2026		\$51.84	\$34.90	\$86.74
Painters - Line Stripping	12/1/2024		\$44.12	\$27.91	\$72.03
Painters - Line Stripping	12/1/2025		\$45.12	\$29.41	\$74.53
Painters Class 2 (see notes)	5/1/2025		\$30.55	\$18.36	\$48.91
Painters Class 3 (see notes)	5/1/2025		\$36.30	\$18.36	\$54.66
Pile Driver Divers (Building, Heavy, Highway)	1/1/2022		\$56.40	\$20.50	\$76.90
Piledrivers	5/1/2025		\$36.87	\$20.49	\$57.36
Piledrivers	5/1/2026		\$37.63	\$21.18	\$58.81
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2022		\$48.43	\$40.28	\$88.71
Truckdriver class 1 (see notes)	5/1/2025		\$41.87	\$0.00	\$41.87
Truckdriver class 2 (see notes)	5/1/2025		\$41.94	\$0.00	\$41.94
Truckdriver class 3 (see notes)	5/1/2025		\$42.43	\$0.00	\$42.43

SECTION 012300 - 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, Part 3 "Schedule of Alternates" Article 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 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: Synthetic Turf – 2”.
  - 1. Base Bid: Synthetic Turf – 2.5”.
  - 2. Alternate: State the amount to be deducted from the base bid to provide synthetic turf at a pile height of 2” as specified in Section 321813, Synthetic Turf.
- B. Alternate No. 2: Resilient Underlayment - Rubber Pad (12 mm)
  - 1. Base Bid: No Construction
  - 2. Alternate: State the amount to be added to the base bid to provide resilient underlayment as indicated on Drawings and as specified in Section 321813, Synthetic Turf .
- C. Alternate No. 3: Resilient Underlayment - Other
  - 1. Base Bid: No construction
  - 2. Alternate: State the amount to be added to the base bid to provide a resilient underlayment as proposed by installer. Product specifications shall be included with bid package. Samples shall be supplied within three days of request by owner / TTC.

END OF SECTION 012300

SECTION 024119 - SELECTIVE DEMOLITION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
  - 1. Demolition and removal of selected site elements.
  - 2. Salvage of existing items to be reused or recycled.

1.2 MATERIALS OWNERSHIP

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.

1.3 FIELD CONDITIONS

- A. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- B. Notify Landscape Architect of discrepancies between existing conditions and Drawings before proceeding with selective demolition.
- C. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
  - 1. Hazardous materials will be removed by Owner before start of the Work.
  - 2. If suspected hazardous materials are encountered, do not disturb; immediately notify Landscape Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.
- D. Storage or sale of removed items or materials on-site is not permitted.
- E. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.
- F. Arrange selective demolition schedule so as not to interfere with Owner's operations.

1.4 WARRANTY

- A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during selective demolition, by methods and with materials and using approved contractors so as not to void existing warranties.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- B. Standards: Comply with ASSE A10.6 and NFPA 241.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Verify that utilities have been disconnected and capped before starting selective demolition operations.

### 3.2 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

- A. Existing Services/Systems to Remain: Maintain services/systems indicated to remain and protect them against damage.
- B. Existing Services/Systems to Be Removed, Relocated, or Abandoned: Locate, identify, disconnect, and seal or cap off utility services and mechanical/electrical systems serving areas to be selectively demolished.
  - 1. Owner will arrange to shut off indicated services/systems when requested by Contractor.
  - 2. Arrange to shut off utilities with utility companies.
  - 3. If services/systems are required to be removed, relocated, or abandoned, provide temporary services/systems that bypass area of selective demolition and that maintain continuity of services/systems to other parts of building.

### 3.3 PROTECTION

- A. Temporary Protection: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent facilities to remain.
- B. Temporary Shoring: Design, provide, and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished.
- C. Remove temporary barricades and protections where hazards no longer exist.

3.4 SELECTIVE DEMOLITION

- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
  - 1. Dispose of demolished items and materials promptly.
- B. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
- C. Removed and Salvaged Items:
  - 1. Clean salvaged items.
  - 2. Pack or crate items after cleaning. Identify contents of containers.
  - 3. Store items in a secure area until delivery to Owner.
  - 4. Protect items from damage during transport and storage.
- D. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Landscape Architect, items may be removed to a suitable, protected storage location during selective demolition, cleaned and reinstalled in their original locations after selective demolition operations are complete.

3.5 CLEANING

- A. Remove demolition waste materials from Project site and dispose of them in an EPA-approved construction and demolition waste landfill acceptable to authorities having jurisdiction.
  - 1. Do not allow demolished materials to accumulate on-site.
  - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- B. Burning: Do not burn demolished materials.
- C. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

END OF SECTION 024119

SECTION 321813 – SYNTHETIC TURF ATHLETIC FIELD

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Free draining infilled synthetic turf system.
2. Inspection and certification of the turf base system.
3. Dual Fiber Synthetic Turf.

1.2 SUBMITTALS

A. Manufacturer's Qualifications:

1. Reference list of at least ten (10) fields supplied by the Infilled Synthetic Turf Vendor of the type and installation process specified herein with contact name, address and telephone number to enable such data to be validated prior to the commencement of work.
2. Reference list of at least five (5) fields installed by the Infilled Synthetic Turf Installer of the type and installation process specified herein with contact name, address and telephone number to enable such data to be validated prior to the commencement of work.
3. Job Resumes of Infilled Synthetic Turf System Installer's Installation Supervisor showing supervision of five (5) field installations and Infilled Synthetic Turf System Installers. Include reference contact names, addresses and telephone numbers to enable such data to be validated prior to the commencement of work.
4. Cut Sheets for all materials required under this Section including third party ASTM certified lab reports.
5. Material Safety Data Sheets (MSDS) for all materials required under this Section.
6. Manufacturer's written warranties for all individual components of the Infilled Synthetic Turf System.
7. Provide a sample written 8-year labor and materials Insured Warranty from the Infilled Synthetic Turf Vendor.
8. A signed letter on company letterhead holding the Owner, Landscape Architect and all other project consultants harmless for any violation of patent rights or infringement.

C. Shop Drawings:

1. The Infilled Synthetic Turf Vendor shall coordinate and provide details that illustrate the scope of work, including but not limited to materials, cross sections, subsurface and penetration details.
2. The Turf Vendor shall provide an underlayment (where applicable) and seaming plan at 1" = 20'-0". The seaming plan shall include all tufted lines.
3. The Turf Vendor shall provide a striping plan at 1" = 20'-0" which demonstrates compliance with applicable PIAA/NFHS requirements for the layouts shown on the Drawings and in these Specifications. The striping plan shall indicate all tufted and inlaid field markings.

D. Product Samples and Information:

1. Provide samples and test results for Free Draining Finishing Stone.
2. Provide color samples of dual fiber polyethylene fiber for approval.
3. Provide a minimum 12-inch by 12-inch sample of dual fiber polyethylene carpet.
4. Provide a 12" x 12" sample of Underlayment.
5. Provide sieve analysis of infill materials for approval.
6. Provide a 1-quart sample of the infill mix.
7. Provide turf warranty language.
8. Provide underlayment cut sheet.
9. Provide underlayment warranty language.
10. Provide a sample written 8-year labor and materials Warranty from the Infilled Synthetic Turf Vendor.
11. Provide a signed letter on company letterhead holding the Owner, Landscape Architect and all other project consultants harmless for any violation of patent rights or infringement.

F. Delivery slips for all Free Draining finishing stone.

G. Delivery slips for all Infilled Synthetic Turf System materials delivered to the site.

H. As-Built Field Layout Drawing prior to infilling with certification that the field layouts meet the requirements of PIAA/NFHS and the project documents.

I. Maintenance Manual to the Owner.

J. G-Max testing results identifying compliance with specifications after completion. Testing shall be in accordance with ASTM Standards and include a gridded analysis of infill depths.

1. G-Max testing shall be in accordance with technical requirements of ASTM 355-23 and F1936-19. (ASTM Standards are available from [www.astm.org](http://www.astm.org)).
2. Provide a report identifying the following information:
  - a. Identification of material tested, including type, source, manufacturer's lot number (if appropriate), thickness (if measurable, and any other pertinent information).
  - b. Conditions of test, including temperature, humidity, and any other pertinent data.
  - c. Date of test.
  - d. Procedure used and missile description.
  - e. Impact Velocity.
  - f. Average values of last two of three impacts or as specified.
  - g. G-Max Value
  - h. Head Injury Criterion (HIC) Value
3. A spreadsheet with the above date and infill levels for each test location.
4. A field diagram identifying test locations / results / infill levels.
5. Raw data from device that generates velocity, G-Max and HIC

### 1.3 QUALITY ASSURANCE

- A. Field Survey: If damage to the field substrate occurs during demolition, the turf contractor shall provide a survey and verify the accuracy of the turf base surface precision tolerances of the athletic field. Survey of athletic field subgrade shall be in digital format on 10 ft. grid, including 0.10' contours. Survey shall be submitted to the Landscape Architect. Any unacceptable surface deviations or conditions shall be reported in writing to the Landscape Architect. Installation of synthetic turf underlayment and/or turf system shall not commence until irregularities of the subgrade have been corrected to the Landscape Architect's satisfaction.
- B. Pre-installation Conference: A pre-installation meeting shall be scheduled, in writing, between the Prime Contractor, Subcontractors, Landscape Architect to review the scope of work in this Section, coordination with other work, special project conditions and quality standards. It shall be the Prime Contractor's responsibility to notify and schedule the pre-installation a minimum of two (2) weeks prior to the anticipated start of the work specified under this Section.
  - 1. Verify scope of work responsibility of each contractor and subcontractor.
  - 2. Review proposed sources of all synthetic turf field materials, including capabilities and location of plant that will manufacture materials.
  - 3. Synthetic turf manufacturer to certify that the product to be installed, including pigmented field lines, does not contain lead.
  - 4. Review condition of substrate.
  - 5. Review requirements for protecting all stages of work, including restriction of traffic during installation period and for remainder of construction period.
  - 6. Review and finalize construction schedule for all work. Verify availability of materials, installer's personnel and equipment required to execute the Work without delays.
  - 7. Review inspection and testing requirements, governing regulations and proposed installation procedures.
  - 8. Review forecasted weather conditions and procedures for coping with unfavorable conditions.

### 1.4 WARRANTY

- A. Warranty: The Infilled Synthetic Turf Vendor shall guarantee all self-manufactured and / or procured Infilled Synthetic Turf Systems, materials and workmanship against damage by normal climatic conditions or proper and normal use for a minimum period of eight (8) years from the official date of Substantial Completion. In addition, the Infilled Synthetic Turf Vendor shall guarantee all self-manufactured and procured materials and / or workmanship including such defects as premature decrease in infill height, premature decrease in pile height or weight (stipulated as more than 10% decrease), UV degradation, fading, seam rupture, dislodgement, inadequate drainage or inadequate air transmission. The guarantee shall be in writing and shall be signed by the Infilled Synthetic Turf Vendor stating that any defects, including the need to remove and replace self-manufactured and / or procured materials will be repaired at no cost to the Owner within 90 days written notice of the Owner. The warranty shall not have a deductible and / or be prorated and cover full replacement value of field square footage.

## PART 2 - PRODUCTS

### 2.1 GENERAL

A. This specification covers the installation of new outdoor multi-purpose Infilled Synthetic Turf System comprised of tufted synthetic turf with mixture of sand and SBR rubber filled into the pile. Where indicated, the system may also include resilient underlayment for added player safety. The installed system shall have a permeability rate in excess of ten (10) inches per hour. The tufted synthetic turf is comprised of parallel slit film and monofilament polyethylene pile sewn into a urethane backed carpet meeting F.D. Doc FF1-70 and ASTM D-2859 flammability requirements, with an abrasion index of less than 25 per ASTM F1015 and meeting the following values for Static Coefficient of Friction per ASTM F1551.

1. Dry Surface Static Friction 1.06 minimum
2. Dry Surface Sliding Friction 0.96 minimum
3. Wet Surface Static Friction 1.00 minimum
4. Wet Surface Sliding Friction 0.83 minimum

### 2.2 FREE DRAINING INFILLED SYNTHETIC TURF BASE MATERIALS

#### A. Free Draining Finishing Stone:

1. Shall be inert angular crushed rock derived from a stone quarry that is hard, durable and free of deleterious materials and shall not consist of natural or crushed sand. Materials that break up when alternately frozen and thawed or wetted and dried shall not be used. The Free Draining Finishing Layer shall be uniformly blended according to the gradation requirements for the respective stone sizes for the following (1/2" maximum particle size):

<u>Sieve Designation</u>	<u>% Passing by Weight</u>	
	Minimum	Maximum
1/2 in.	100	--
3/8 in.	85	100
No. 4	60	90
No. 8	35	75
No. 16	10	55
No. 30	0	40
No. 60	0	15
No. 100	0	8
No. 200	0	2

2. Free Draining Finishing Stone shall bridge with selected Free Draining Crushed Stone drainage material to prevent loss of Free Draining Finishing Stone into Free Draining Crushed Stone layer.
3. Installed Free Draining Finishing Stone to be fine graded to a tolerance of 1/8" in 10' with hydraulically controlled laser grading apparatus.

4. Installed Free Draining Finishing Stone shall drain at a rate of no less than ten (10) inches per hour after compaction.
5. Based upon the type and source of Free Draining Finishing Stone submitted, other criteria may be required for approval.

## 2.3 RESILIENT UNDERLAYMENT

### A. Resilient Underlayment, Rubber Pad:

1. Shall be a porous composite 100% SBR rubber pad made specifically as a resilient base for outdoor athletic fields with a minimum thickness of 12 mm as manufactured by Dodge Regupol, Inc. Lancaster, PA or approved equivalent and shall have an infiltration rate of not less than 12 inches per hour, a minimum recovery rate of 94% at 100 psi per ASTM F36 and a tensile strength of 44 psi per ASTM D412, Die C

## 2.4 INFILLED SYNTHETIC TURF SYSTEM

### A. Tufted Synthetic Turf

1. Yarn shall be a UV resistant parallel slit film and monofilament blended polyethylene pile designed for high use multi-purpose outdoor infilled synthetic athletic turf applications. Yarn shall generally meet the following requirements:

Field Color: Combination of Olive, Field or Verde Green similar to natural grass as selected by owner from the Manufacturer's Standard Colors.

Line & Layout Tick Colors: selected by owner from the Mfg's Standard Colors  
Pile Denier: 10000 denier minimum per ASTM D 1907

Pile Height / Weight: 2.00" – 2.50" / 50 – 56 oz.  
(per sq. yd.) per ASTM D 5848

Stitch Count: 11 stitches per inch per ASTM D 5848

Stitch Gauge: 3/8"- 1/2" gauge per ASTM D 5848

Thickness: 100 microns minimum per ASTM D 1577

Break Load: 30 psi minimum per ASTM D 2256

Elongation at Break: 10% minimum per ASTM D 2256

Tuft Bind: 7 lbs./ft minimum without fill per ASTM D 1335

### B. Primary Carpet Backing:

1. Shall be equivalent to Multilayer Thiobac PRO C18 as manufactured TenCate Grass North America, Dayton, TN.
2. If necessary, additional fabric layers or other provisions shall be made to accept butt-sewn seams. Additional layers or provisions shall not compromise the integrity of the system.

### C. Secondary Coating shall be high quality polyurethane specifically formulated for outdoor synthetic turf carpet. The Secondary Coating shall be heat treated to hold the

SYNTHETIC TURF ATHLETIC FIELD

yarn in place and shall meet the following requirements:

1. Weight 20 oz. per s.y. minimum
- D. Rolls shall be a minimum of 15 feet wide. Rolls shall be of sufficient length to cover from sideline to sideline without head seams.
- E. The Turf Contractor shall provide sewn seams. The sewn portion of seams shall be performed with high strength chord suitable for attaching outdoor Infilled Synthetic Turf carpet. The Infilled Synthetic Turf System Contractor is informed that all seams shall be flat and indiscernible upon installation. Shearing of the pile will not be permitted as a means of achieving a flat seam.
- F. The Turf Contractor shall utilize cutting and seam tape for securing inlaid lines and reference tick marks in the tufted synthetic turf shall be high quality coated cordura tape made specifically for Infilled Synthetic Turf applications with a minimum roll width of 12 inches.
- G. Adhesives for bonding tufted synthetic turf shall be one-part moisture cured polyurethane obtained from a single manufacturer and be equivalent Nordot 34-G as manufactured by Synthetic Surfaces, Scotch Plains, NJ (908) 233-6803 or approved equal. Adhesive shall be modified with amendments as recommended by the manufacturer for installation during adverse weather conditions.
- I. If the Infilled Synthetic Turf Contractor intends to modify any of the above criteria, it shall first be approved in writing by the Landscape Architect prior to submitting a bid.

## 2.5 INFILL MATERIALS

- A. Infill Materials shall be uniformly filled to a depth which leaves no more than 1/2" of exposed pile after settlement, and consist of a homogeneous non-compacting mixture of silica sand and recycled rubber granules meeting the following criteria:
  1. 50 / 50 sand / rubber ratio mixed by weight.
  2. Infill ratio may be altered by turf manufacturer to provide specific performance characteristics by approval of Landscape Architect / Owner.
- B. Silica sand shall meet the following criteria:
  1. Infill sand shall be high quality clean grains of rounded silica sand.
  2. Angular or sub-angular particles will not be accepted.
- C. SBR rubber shall meet the following criteria:
  1. SBR Rubber: Granules shall be processed recycled rubber sized derived from passenger tires. Rubber shall contain no dust or contaminants and shall work to hold the infill sand in suspension. Color to be black. Size 9 - 18
- D. Samples of the free draining, homogenously blended infill (and separate sand and rubber) shall be submitted to the Landscape Architect for review.

2.6 FIELD LAYOUT

A. Field layouts shall be in accordance with NFHS Standards for all sports identified to be inlaid.

PART 3 - EXECUTION

3.1 STONE FINISHING COURSE

A. Work existing finishing stone material as needed to provide smooth base surface. Modify edge transitions to accommodate resilient base pad installation for smooth transition to concrete curb / glue shelf / nailer board. Add material as needed to address previous settlement and low areas. Compact edges to prevent future settlement. Fine grade entire field to match predevelopment slopes and tolerances. Notify Landscape Architect / owner of any inconsistencies identified throughout the grading processes.

3.2 SYNTHETIC TURF SURFACE

A. The synthetic turf contractor shall strictly adhere to the installation's procedures specified herein. Any variance from these requirements shall be accepted in writing by the manufacturer, and submitted to the Landscape Architect, verifying that the changes do not in any way affect the warranty.

B. The installation shall be performed in full compliance with approved design drawings, and only by factory-trained technicians, skilled in the installation of sewn athletic caliber artificial grass systems, working under the direct supervision of a principal of the company.

C. The surface to receive the synthetic turf shall be inspected and certified as ready for the installation of the synthetic turf system by the manufacturer or by a supervisor with a minimum five years' experience in the installation of such fields. The surface must be perfectly clean as installation begins and shall be maintained in that condition throughout the process.

D. The Turf contractor shall adjust and grade out subbase during Turf installation as required to meet existing elevations and slopes. No dips or undulations will be permitted.

E. To aid in the proper installation of the synthetic turf, the Contractor shall water the aggregate base as required by the synthetic turf installer in order to achieve proper compaction during synthetic turf installation.

F. The Resilient Underlayment shall be installed in full rolls or sheets with the longest feasible length or uniform panels. Resilient Underlayment rolls / sheets that require trimming to meet the side and end curb shall be a minimum width of three (3) feet and a minimum length of ten (10) feet. Tape smaller pieces together to maintain consistent substrate. Upon completion of Resilient Underlayment installation, the Resilient Underlayment shall be inspected for planarity and grade and all deviations shall be corrected by tamping with a hand operated vibratory plate compactor.

- G. Tufted Synthetic Turf Rolls shall be installed perpendicularly across the field. Turf rolls shall be of sufficient length to permit full cross-field (football sideline – football sideline) installation. No head or cross seams will be allowed. Once all playing football surface rolls have been installed, install sideline rolls perpendicularly to playing surface rolls and attach directly to the concrete glue shelf / nailer board. Rolls shall be installed so that tufted lines are placed as shown on the approved Shop Drawings. All rolls shall be installed with nap in like direction.
- H. Tufted Synthetic Turf shall be installed with no wrinkles, ripples or bubbles. Shearing of fibers, slits in the fabric or driven spikes or staples to relieve such defects is not permitted.
- I. All Tufted Synthetic Turf seams shall be sewn with high strength chord as stated above. Seams shall be flat, tight, and permanent with no separation or fraying. Tufted Synthetic Turf Yarn pile that is trapped between seems shall be freed from the seams by hand or other approved method to an upright position prior to brushing and infilling. Extreme care shall be taken to prevent carpet pile form becoming trapped underneath the infill. If necessary, the Landscape Architect / owner may direct the Infilled Synthetic Turf Installer to completely remove and reinstall the infill.
- J. All Tufted Synthetic Turf inlays and other field markings shall be cut and adhered with high strength tape and glued as stated above. Inlay seams shall be flat, tight, and permanent with no separation or fraying. Tufted Synthetic Turf Yarn pile that is trapped or glued between inlay seams shall be freed from the seams by hand or other approved method to an upright position prior to brushing and infilling.
- K. Tufted Synthetic Turf panels used for access to subsurface utilities shall be adhered with hook and loop Velcro attachment system glued to turf backing as shown on drawings.
- L. Turf panels that are cut in error shall be replaced in their entirety. Patching of errant cuts is not permitted.
- M. Upon completion of seaming and inlaying and prior to infilling, the entire field shall be brushed with a motorized rotary nylon broom to free trapped or tangled fibers. The blended infill materials shall be spread evenly by using a drop spreader in multiple applications at uniform rates until the specified infill depth (after settlement) is achieved. Between applications the infill materials shall be brushed in multiple directions with a static nylon groomer.

### 3.7 LOGOS AND GRAPHICS

- A. Electronic files for all logos and graphics will be provided to the Turf Vendor by the Landscape Architect / owner. Do not scan images from Project Documents or Approved Shop Drawings or download images from websites for use in fabricating logos or graphics.
- B. Logos and graphics as indicated on the Drawings shall be inlaid per the Approved Shop Drawing.

### 3.8 ACCEPTANCE

- A. Any imperfections that develop in the substrate or surface prior to the final acceptance shall be removed and replaced with new materials.

B. All such repair work shall be done at no additional cost to the Owner.

3.9 CLEAN UP

A. Turf Vendor shall provide the labor, supplies and equipment as necessary for final cleaning of surfaces and installed items.

B. All useful and usable remnants of new materials shall become the property of the Owner. A minimum of 1500 square feet of tufted synthetic turf in field green shall be provided including at least four (4) 15' x 20' sections. A minimum of fifteen (15') linear feet of each color shall be provided in the appropriate game line width.

C. 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.

3.10 CLOSE OUT

A. Turf Vendor shall provide the Landscape Architect with three (3) copies of the approved Warranty prior to final payment.

B. Turf Vendor shall train the Owner's designated personnel in the proper maintenance and care of the field and provide the Landscape Architect with three (3) copies of the Standard Maintenance Manual.

C. Turf Vendor shall provide the Owner with a minimum of 1500 square feet of tufted synthetic turf in field green. Turf shall be provided in a minimum of four (4) 15' x 20' sections. A minimum of fifteen (15') linear feet of each line color shall be provided in the appropriate game line width.

D. Turf Vendor shall provide the Owner with one (1) ton (supersack) of rubber infill. Locate adjacent to field at the owner's direction.

3.11 TRAINING

A. Provide owner with training for maintenance, grooming, and emergency repair procedures.

3.12 MAINTENANCE AND WARRANTY

A. Synthetic turf shall be warranted against defects in materials and workmanship for period of eight (8) years from date of substantial completion.

B. The manufacturer's warranty shall include general wear and damage caused by UV degradation. Vandalism and damage from natural cause beyond the control of the Owner or the manufacturer are excluded from the warranty.

C. The manufacturer's warranty shall provide a warranty to the Owner covering defective installation and warrants that the installation was performed in accordance with the manufacturer's recommendations and directions.

- D. The warranty shall guarantee the G-max rating of 115 at time of installation and below 165 for the remaining term of the warranty.
- E. The turf manufacturer, as part of the warranty, shall have an independent testing agency perform a G-max test of the surface at the beginning and end of the first full season. If the G-max exceeds acceptable limits listed here, the turf manufacturer, as a part of the warranty, shall take corrective measures as approved by the Owner and the Landscape Architect.

END OF SECTION 321813

## NON-COLLUSION AFFIDAVIT

State of \_\_\_\_\_ ::s.s.

County of \_\_\_\_\_ :

I state that I am \_\_\_\_\_ (name and title) of \_\_\_\_\_ (name of firm) and that I am authorized to make this affidavit on behalf of my firm, and its owners, directors, and officers.

I am the person responsible in my firm for the price(s) and the amount of this bid.

I state that:

- (1) The price(s) and amount of this bid have been arrived at independently and without consultation, communication or agreement with any other contractor, bidder or potential bidder.
- (2) Neither the price(s) nor the amount of this bid, and neither the approximate price(s) nor the approximate amount of this bid, have been disclosed to any other firm or person who is a bidder or potential bidder, and they will not be disclosed before bid opening
- (3) No attempt has been made or will be made to induce any firm or person to refrain from bidding on this contract, or to submit a bid higher than this bid, or to submit any intentionally high or noncompetitive bid or other form of complementary bid.
- (4) The bid of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive bid.
- (5) \_\_\_\_\_ (Name of firm), its affiliates, subsidiaries, officers, directors and employees are not currently under investigation by any governmental agency and have not in the last four years been convicted or found liable for any act prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding on any public contract, except as follows:

I state that \_\_\_\_\_ (name of firm) understands and acknowledges that the above representations are material and important, and will be relied on by \_\_\_\_\_ (name of public entity) in awarding the contract(s) for which this bid is submitted. I understand and my firm understands that any misstatement in this affidavit is and shall be treated as fraudulent concealment from \_\_\_\_\_ (Name of public entity) of the true facts relating to the submission of bids for this contract.

\_\_\_\_\_ (Name of Company)

By: \_\_\_\_\_ (Signature and Company Position)

SWORN TO AND SUBSCRIBED

BEFORE ME THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_ (Notary Public) My Commission Expires



COMMONWEALTH OF PENNSYLVANIA

## PUBLIC WORKS EMPLOYMENT VERIFICATION FORM

Date \_\_\_\_\_

Business or Organization Name (Employer) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

.....Contractor.....O

Contracting Public Body \_\_\_\_\_

Contract/Project No \_\_\_\_\_

Project Description \_\_\_\_\_

Project Location \_\_\_\_\_

As a contractor/subcontractor for the above referenced public works contract, I hereby affirm that as of the above date, our company is in compliance with the Public Works Employment Verification Act ('the Act') through utilization of the federal E-Verify Program (EVP) operated by the United States Department of Homeland Security. To the best of my/our knowledge, all employees hired post January 1, 2013 are authorized to work in the United States.

It is also agreed to that all public works contractors/subcontractors will utilize the federal EVP to verify the employment eligibility of each new hire within five (5) business days of the employee start date throughout the duration of the public works contract. Documentation confirming the use of the federal EVP upon each new hire shall be maintained in the event of an investigation or audit.

I, \_\_\_\_\_, authorized representative of the company above, attest that the information contained in this verification form is true and correct and understand that the submission of false or misleading information in connection with the above verification shall be subject to sanctions provided by law.

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Authorized Representative Signature