

Request for Bids
Valley View School District
Baseball & Softball Fields Project
For New Synthetic Turf Fields

For
Valley View High School
Jonesboro, Arkansas

Frontier Engineering
P.O. Box 11988
Fort Smith, AR 72917
Phone: (479) 414-1013
Bobby Aldridge, P.E., E-Mail: bobby.frontiereng@gmail.com

Athletic SurfacesPlus Consulting
485 River Ridge Cove
Memphis, TN 38120
Phone: (901) 494-4440
Tim Cowan, E-mail: tim@athleticsurfacesplus.com

Bid Date
Monday, August 16, 2021 2:00PM

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SECTION A

Announcement

Request for Proposals: Synthetic Turf Field Project

With this request for proposal (this “RFP”), Valley View School District (“Owner”) hereby solicits bids, on a competitive basis, from qualified companies (“Respondents”) to provide Owner the services described herein, all in accordance with the terms and conditions detailed herein. ***In particular, the services sought by Owner will require the Respondent to provide and install Turf field Base & Synthetic Turf, and fencing on Valley View High School Baseball and Softball fields.***

Each Respondent must submit their mission statement and customer focus with their Proposal.

The Respondents are to have current Arkansas Contractors licenses and proof of insurance.

Owner reserves the right to accept or reject any or all documents submitted. Owner shall have the right to consider factors other than the proposal response in awarding a contract.

Respondents are required to include a copy of standard contract, modified as deemed necessary for this RFP. This contract will be considered only as a sample. Owner reserves the right to modify or reject the sample contract in the event the Respondent is selected.

(All such services are referred to herein as the “Services”). More information about the requirements pertaining to the Services is set forth in Section B of this RFP.

About Valley View Stadium Project

Valley View School District has initiated a project to install synthetic turf infields at the existing High School Baseball & Softball Stadiums. Companies interested in bidding, may submit: Turf Field base and Synthetic Turf & Installation, and/or a complete price for multiple trade packages.

Valley View School District reserves the right to reject any or all bids, waive defects or informalities in bids and to make awards as deemed to be in its best interest. If awarded, awards will be made to the lowest and or best vendor.

Submission of Proposals

Bids will be accepted until **2:00pm CST, Monday, August 16, 2021. PROPOSALS RECEIVED AFTER THIS TIME WILL NOT BE ACCEPTED.** One (1) original and two (2) copies of your bid must be submitted. Owner expects to award a contract to the successful contractor/s not later than **August 31, 2021. OWNER RESERVES THE RIGHT TO CONTRACT IN THE BEST INTEREST OF OWNER, AND TO REJECT ANY AND ALL BIDS AT ANY TIME PRIOR TO AWARD.**

Bids must be sealed in a container marked on the lower left-hand corner with the name and address of the Respondent. Owner will date stamp the container with the submission date and the submission time. In addition, the sealed container in which the Bid is submitted should be labeled "Stadium Renovation Project", and Trade packages that are being bid on. **FAXED RESPONSES WILL NOT BE ACCEPTED.** Further instructions for submitting Bids and hard copies of DWGS and RFP may be obtained as well as inquiries for electronic BID documents, information regarding scope of work, Bid submission requirements or other specification from the Owner's Representative: Mr. Tim Cowan @ tim@athleticsurfacesplus.com or at: 901-494-4440

All completed Bids and accessory documents and submittals should be mailed or delivered to:

**Valley View School District
2131 Valley View Dr
Jonesboro, Arkansas 72404**

Attn: Mr. Bryan Russell, Superintendent

SECTION B

SCOPE OF SERVICES

1.1 THE SERVICES

Owner is soliciting bids from qualified contractors for the stadium renovation project, which includes a new synthetic turf field. All work to be performed is at Valley View High School Stadium fields.

Project Description

The project will consist of the: synthetic turf drainage base, synthetic turf and installation. Please refer to the engineered drawings for complete information. **SEE SPECIFICATIONS & DWGS FOR COMPLETE DESCRIPTION OF WORK**

Trade Packages: Will include the following General Scope of work and description in the BID documents & Drawings.

Trade package#1- Field Drainage Base & Concrete

- Rough Grade Field and remove grass and topsoil and Clay to store on site
- Remove and save (where DWGS call for it) old fencing from Baseball and Softball Field
- Final Laser grade the field to the designated slope and grade and compact with roller
- Construct the concrete curbs as specified in DWGS
- Supply and install all of the #57 aggregate, and the # 89 aggregate as specified
- Supply and install all of the French drain pipe in trench 12" wider than the width of pipe as specified in DWGS compacting rock as described in the RFP
- Supply and Install the nailer board composite 2x4 material to all perimeter curbs,
- Complete the installation of geo-textile fabric to the entire field, overlapping 18" as specified
- Spread 4.5"+ of the #57 aggregate, and 1.5" of the #89 aggregate as specified
- Properly grade and compact the entire base as specified
- Make adjustments as required by turf Installer, necessary for sign off

Trade package#2-Synthetic Turf Baseball and Softball Field:

- Manufacture, deliver, and install synthetic turf as specified.

Trade package#3- Combination of #1 and #2

Purpose of Synthetic Turf

The improved field will allow for a more reliable playing surface that can be utilized continuously for a sports and activities that include, but not limited to: Baseball and Softball games and practice.

The synthetic turf itself shall be pervious, allowing water to quickly infiltrate (20+ inches per hour) from the surface to the drainage network below. The drainage network will consist of piping and aggregate over a geo-textile membrane that separates the underlying soil from the drainage layer. The field and drainage layer will also provide water storage capacity, slowing the outflow of precipitation even when the infiltration capacity of the underlying soil is exceeded during a large storm event.

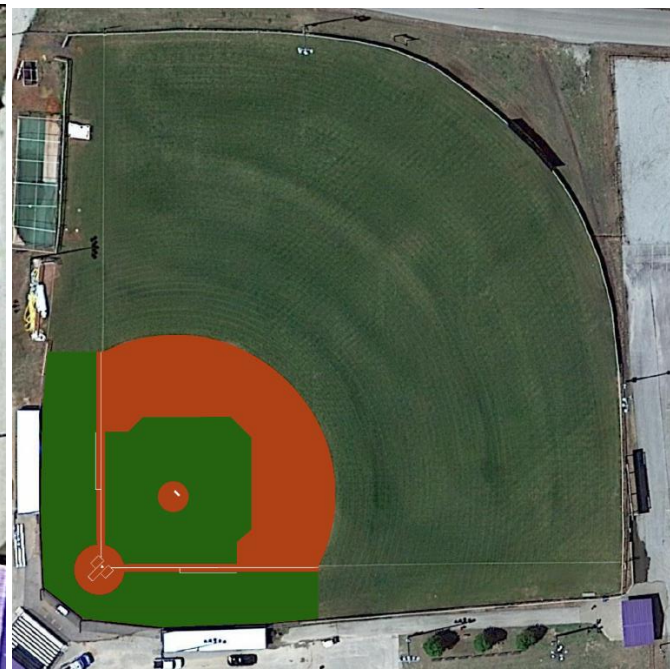
Proposal Requirements

Contractors shall present their qualifications, sample of warranty forms and samples of the product to be installed that meet the attached specifications and requirements (where requested). In addition, the cost proposal shall be submitted on the forms provided, Bond documentation, bidders assurances and disclosure, submittals and all included as part of the bid. Failure to include requirements or submittals could cause rejection.

FIELD RENDERINGS: Renderings are **NOT TO SCALE**. Please pay close attention to the written specifications on markings.



Softball Field: 13,152 sq/ft



Baseball Field: 27,749 sq/ft

Valley View High School Baseball / Softball Site Aerials / Pictures



Existing View from East to West



Completed View from the East to West



Baseball Backstop



Baseball Dugout



Baseball First Base line and Dugout



Area view between fields from west



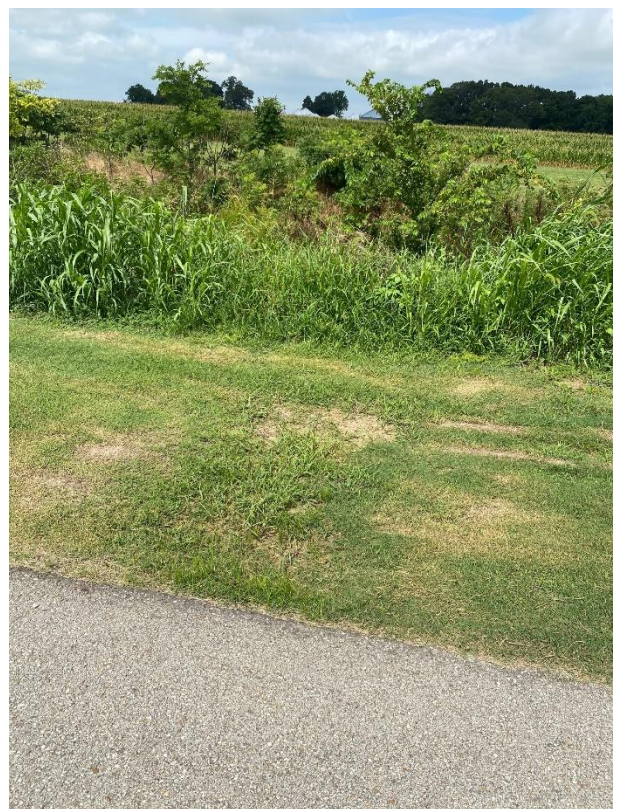
View from East looking West between Fields



View from East looking west along First Base Softball



Softball Rightfield where main drain to go



Exit Drain to go under the School Road and into the ditch

SECTION C: BID

For Valley View Baseball/Softball Turf Fields Project

Company _____ **AR License #** _____

Name/Address _____

Phone/fax/email _____

Representative: _____ **Signature:** _____

Pursuant to and in compliance with Bidding Documents, applicable trade package scopes and the proposed Contract Documents, including Addenda _____, I hereby propose and agree to furnish material and labor to construct this project work as set forth in summary of work for the Valley View High School Stadium Field in strict accordance with the Contract Documents for the sum of: Time duration per project for **this** scope of work is _____ working days.

Scopes may be awarded individually or packaged together depending on pricing and contractor abilities. **Successful bidder must submit a schedule within three business days delineating duration of work as well as lead times for material and equipment. Please provide the cost for the Performance & Payment Bond included in your BID.**

I further agree to perform the work if required for addition to the Contract Sum at the following unit prices, (if applicable) which include all expenses, including overhead and profit:

- | | |
|------------------------|------------------|
| 1. Undercutting | CU. YD. \$ _____ |
| 2. Fill and Compaction | CU. YD \$ _____ |

Price to Install ONLY 1ea.20'x10' max **Blazers** or **Lady Blazers** Logo behind home plate \$ _____

Trade pkg#1- Field Base/Concrete: _____ Dollars(\$ _____)

Trade pkg#2- Synthetic Turf _____ Dollars(\$ _____)

Trade package#3- Combination of #1 and #2 _____ Dollars(\$ _____)

TIME SCHEDULE

Completion Time: Project Field work shall begin after **8/16/21**, and should be ready for synthetic turf contractor no later than **11/1/21**. Turf installation shall take no more than **21 calendar days**. Expected Final Completion date is prior to **12/1/21**. Any excessive weather delays logged will be left up to the discretion of the Owner's Representative.

In submitting this proposal, we ask that you give us information of any extenuating circumstances that effects your bid time schedule as relative to turf and supplies delivery. We will take this into consideration, when evaluating BIDS.

it is understood that the right is reserved by the Owner to reject any or all proposals. No bid shall be withdrawn for a period of time not to exceed **thirty (30) days** subsequent to the opening of the Bids, without the consent of the owner. The owner intends to move forward with this project within **7 days** of reviewing the Bids.

Bidder Assurances and Disclosure **
School District Bid
(Enclose in Bid envelope)

Name of School District: Valley View School District; Valley View, Arkansas

Bid Description: Baseball and Softball Stadium Renovation Project

Bid Opening Date: 8/16/21

Assurances:

I, _____ hereby state:

1. I am the duly authorized agent of _____, the bidder submitting the competitive bid which is attached to this statement, for the purpose of certifying the facts pertaining to the existence of collusion among and between bidders and school district officials, as well as facts pertaining to the giving or offering of things of value to school district personnel in return for special consideration in the awarding of any contract pursuant to the bid to which this statement is attached.
2. I am fully aware of the facts and circumstances surrounding the making of the bid to which this statement is attached and have been personally and directly involved in the proceedings leading to the submission of the bid.
3. Neither the bidder nor anyone subject to the bidder's direction or control has been a party:
 - a. To any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding;
 - b. To any collusion with any school district official or employee as to quantity, quality or price in the prospective contract, or as to any other terms of the prospective contract; or
 - c. In any discussions between bidders and any school district official concerning exchange of money or other thing of value for special consideration in the awarding of a contract.
4. I hereby guarantee that the specifications outlined in the bid shall be followed as specified and that deviations from the specifications shall occur only as part of a formal change process approved by the Board of Directors of the school district.

Disclosure:

1. Does any school board member or employee of the school district have a financial interest in your business or hold a position as officer, director, trustee, partner, or other top level management? _____ Yes _____ No
2. Does any school board member or employee of the school district have a family relationship with anyone employed by your business? _____ Yes _____ No

(If the answer is yes to either of the above questions, provide details in a separate attachment to this form.)

Did you or your company assist the school district or any agent of the school district with the development of the bid specifications? _____Yes _____No

If yes:

- a. Were you or your company compensated? _____Yes _____No
- b. Is your company's name or identity included anywhere within the specifications? _____Yes
_____No
- c. Were you offered any preferential treatment in the pre-bid process?
_____Yes _____No

Signature

Date

Name

Title

Company

Subscribed and sworn to before me this _____day of _____, 2017

Notary Public

**** Enclose in your Bid envelope with bid**

INSTRUCTIONS TO BIDDERS

1. Securing Documents: Copies of the proposed Contract documents are free of charge and are available from the Owner's Representative: Mr. Tim Cowan @ tim@athleticsurfacesplus.com or at: 901-494-4440

2. General Instructions, Terms and Conditions:

a. These General Instructions, Terms and Conditions and any special terms and conditions become part of any contract entered into in the event any part or the entire bid is accepted by Valley View School District.

3. Definitions:

a. All definitions set forth in the General Conditions of the Contract for Construction, AIA Document A201, are applicable to these Instructions to Bidders.

b. Bidding documents include the advertisement or invitation to bid, execution of the contract which modify or interpret the bidding documents, including drawings and specifications, by addition, deletions, clarifications or corrections. Addenda will become part of the Contract Documents when the construction contract is executed.

c. The words vendor, bidder, offeror, company, proposer and contractor may be used synonymously in this document.

d. The terms "District", "Owner" or Owner's Representative are used interchangeably and refer to the Valley View School District.

e. Pursuant to Arkansas Code Annotated 22-9-203, the State encourages all small, minority, and women business enterprises to submit bids for capital improvements. Encouragement is also made to all general contractors that in the event they subcontract portions of their work, consideration is given to the identified groups.

4. Examination of Drawings, Specifications, and Site of Work:

a. Before submitting a bid, each bidder shall carefully examine the Drawings, read the Specifications and all other proposed Contract Documents, and visit the site of the Work. Each Bidder shall fully inform himself prior to bidding as to all existing conditions and limitations under which the Work is to be performed, and he shall include in his bid a sum to cover all costs of all items necessary to perform the Work as set forth in the proposed Contract Documents. No allowance will be made to any bidder because of lack of such examination or knowledge. The submission of a bid will be construed as conclusive evidence that the bidder has made such examination.

b. Should the bidder find discrepancies in, or omissions from the drawings, or other bidding documents, or should he be in doubt as to their meaning, he should at once, notify the owner, who will send a written addendum to all bidders. The Owner will not be responsible for any oral instructions. Any addenda issued during the time of bidding are to be covered in the proposal and in closing a contract; they will become a part thereof.

5. Bidding Procedures:

- a. Bids shall be made upon the bid form issued by the Owner. The signature of the individual authorized to bind the bidder shall be in longhand; no oral, telegraphic or telephonic proposals will be considered, but modifications by telegraph or fax of bid already submitted will be considered if received prior to the hour set for opening.
- b. Bids shall also include "Bidder Assurances and Disclosure" form contained in this document. Failure to include the "Bidder Assurances and Disclosure" form may result in disqualification.
- c. Bids, including "Bidder Assurances and Disclosure" form, must be signed by an individual authorized to bind the bidder. The person signing the bid should show title or authority to bind his/her firm to a contract. Signature must be in ink. Failure to sign the bid may result in disqualification. Bid must be completed in ink or typed. "Bidder Assurances and Disclosure" form must be notarized.
- d. Bids shall be addressed to and mailed to the Owner at the address shown on the Bid form or delivered to the place designated for opening of bids before the time for opening the bids as set forth in the Notice to Bidders, enclosed in a sealed envelope, addressed as stated above, marked "Bid" and bearing the title of work and the name and address of the bidder.
- e. Bids received prior to the time of opening will be kept, unopened. No bid received after the hour set for their opening, will be considered, except that when a bid arrives by mail after the time fixed for opening, but before the award is made, and is shown to the satisfaction of the Owner that the non-arrival on time was due solely to delay in the mails, a fault for which the bidder was not responsible, such bids will be received and considered. No responsibility will be assumed by any person for the premature opening of a bid not properly addressed and identified.
- f. In case of a difference in written words and figures the amount in written words shall govern.

6. Bid Bond:

Bids must be accompanied by a Bidder's Bond in an amount equal to 5% of Bid, executed by a surety company approved by the Owner, and authorized to do business in the State of Arkansas. The Bidder may furnish a cashier's check, in an amount equal to 5% of Bid, drawn on National Bank or a Bank having a membership in the Federal Reserve System and signed by the President or Cashier, in lieu of bond. The successful bidder's security will be retained until he has signed the Contract and furnished the required Labor and Materials Payment and Performance Bond of 10% of total bid. The Owner reserves the right to retain the security of the next lowest bidder until the lowest bidder enters into contract or until 60 days after bid opening, whichever is shorter. All other bid security will be returned as soon as practicable. If any bidder refuses to enter into a contract, the Owner will retain his bid security as liquidated damages but not as a penalty.

7. Wage Requirements:

- a. Contractors attention is called to the fact that the wage rates for laborers and mechanics engaged in the construction of the project will be not less than required in full compliance with any state minimum wage law that may be applicable.

8. Construction time:

The Agreement will include a stipulation that the Work be completed in a period of time established in the Bid Form. Work shall begin after **8/16/21**, and should be ready for synthetic turf contractor no later than **11/1/21**. Turf installation shall take no more than **21 calendar days per field**. Expected Final Completion date must be prior to **12/1/21**. Any excessive weather delays logged will be left up to the discretion of the Owner's Representative. General Contractor will be assessed liquidated damages in the amount of \$250 per day for each day after the 60 days allowed. Turf Contractor will be assessed liquidated damages in the amount of \$500 per day for each day past the 21 days allowed. (unless given special exception from Valley View School District, due to unusual times)

9. Substitutions:

- a. Where a definite material is specified, it is not the intent to discriminate against any "approved equal" product of another manufacturer. It is the intent to set a definite standard.
- b. Open competition is expected, but in all cases, complete data must be submitted for comparison and test when required by the Owner.
- c. The materials, products and equipment described in the Bidding documents establish a standard of required function, dimension, appearance and quality to be met by any proposed substitution.
- d. No substitution will be considered prior to receipt of Bids unless written request for approval has been received by the Owner at least ten days prior to the date for receipt of Bids. Such requests shall include the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitution including drawings, performance and test data, and other information necessary for an evaluation. Information shall be submitted in a format that compares the proposed product in a direct comparison to the specified product; line number to line number in specifications. A statement setting forth changes in other materials, equipment or other portion of the Work including changes in the work of other contracts that incorporation of the proposed substitution would require shall be included. The burden of proof of the merit of the proposed substitution is upon the proposer. The Owner's decision of approval or disapproval of a proposed substitution shall be final.
- e. If the Owner approves a proposed substitution prior to receipt of Bids, such approval will be set forth in an Addendum. Bidders shall not rely upon approvals made in any other manner.
- f. No substitutions will be considered after the Contract award unless specifically provided in the Contract documents.
- g. No substitution shall be made unless authorized in writing, by the Owner.
- h. All bidders shall base their proposals on the material or specialty specified. Any proposal for substitution shall be submitted within 10 days after the award of the contract.
- i. Should a substitution be accepted and should the substitute material prove defective or otherwise unsatisfactory for the service intended within the guaranty period, the Contractor shall replace this material or equipment with that which was originally specified, without cost to the Owner.

10. Requirements of Valley View School District

1. The successful proposer(s) must carry insurance as specified and COI must be submitted within five (5) business days from date of request. **Certificate of Insurance must provide coverage for any/and all subcontractors.**

- A. Worker's compensation coverage in accordance with the statutory requirement and limits of the State of Arkansas
- B. Comprehensive General Liability Insurance for bodily injury (including death) and Property Damage Insurance of \$1,000,000.00 per occurrence from a company licensed to write insurance policies in the State of Arkansas
- C. Comprehensive automobile liability insurance covering owned, hired and non-owned vehicles with a minimum of Bodily and Property damage of \$1,000,000.00 each accident, combined single limit from a company licensed to write insurance policies in the State of Arkansas
- D. Excess or umbrella insurance of \$1,000,000.00 per occurrence from a company licensed to write insurance policies in the State of Arkansas
- E. Fidelity/Employee Dishonesty Insurance with a \$100,000.00 limit
- F. Employment Practices Liability Insurance (EPLI) with a \$100,000.00 limit

Valley View School District shall be supplied satisfactory proof of coverage of the above required insurance. In addition, Valley View School District shall be conspicuously named on the Certificate of Insurance as an additional insured on Auto, GL, and Excess Policies, Fidelity/Employee Dishonesty Insurance, and Employment Practices Liability Insurance (EPLI).

2. It is agreed and understood that state laws shall govern any contract and/or order placed as a result of this RFP. The rights and obligations of the parties hereto shall be determined in accordance with the laws of the State of Arkansas.

3. Valley View School District shall be supplied satisfactory proof of coverage of the above required insurance. In addition, the School District shall be conspicuously named on the Certificate of Insurance as an additional insured on Auto, GL, and Excess Policies, Fidelity/Employee Dishonesty Insurance, and Employment Practices Liability Insurance (EPLI).

4. The successful proposer(s) agrees that they will function as an independent contractor and agrees to indemnify and hold harmless the Valley View School District, its Board Members, employees, and agents for any and all claims that may arise out of its duties contracted for pursuant to this bid.

5. Successful proposer(s) and its employees will be expected to adhere to all applicable school district Policies and Procedures.

11. Conflict of Interest:

a. By submitting a bid, the Contractor represents and warrants that no director, board member or employee of the District is in any manner interested directly or indirectly in the bid or contract which may result from the bid or in any of the expected profits which might arise there from; further, that no attempt has been made to influence or gain favorable advantage by communicating directly or indirectly with any official of the School District. It is understood that any action taken which might tend to degrade the integrity of the competitive bidding process will be considered as grounds for disqualification or a breach of this contract.

12. Qualifications of bidders:

a. The bidder will not be acceptable if he is engaged on any other work which impairs his ability to finance this contract or provide proper equipment for the proper execution of same.

b. The bidder must be prepared to furnish a performance bond and labor & material payment bond in accordance with the Contract Documents written by a surety company authorized to do business in the State of Arkansas.

c. Contractor shall name any sub-bidder whose bid he proposes to use. In determining the responsibility of the low bidder, the following will be considered; whether the sub-contractor has:

- State contractor's license.
- Permanent place of business.
- Experienced job superintendent available.
- Adequate equipment.
- Financial ability to perform contract.
- Had appropriate experience.

13. Rejection of bids:

a. The Bidder acknowledges the right of the School District to reject any or all bids and to waive any informality or irregularity in any bid received. In addition, the Bidder recognizes the right of the School District to reject a bid if the Bidder failed to furnish any required bid security, or to submit the data required by the bidding documents, or if the bid is in any way incomplete or irregular. The School District may reject any and all bids and may reject a bid of any party who has failed to perform, been unfaithful and/or delinquent in any former relationship with the School District. The School District shall be the sole judge as to which bid is best and, in determining that fact, may consider the contractor's business integrity, financial resources, experience, facilities and/or capacity for performing the work. The School District also reserves the right to further evaluate and grade bidders based on criteria other than price. Such evaluation as implemented would include: Business tenure, customer relations, references, submittal accuracy, construction partners, as well as others.

14. Submission of post-bid information:

- a. Upon receipt of written notice of the acceptance of his bid, the successful Contractor shall execute a contract, in accordance with good and sufficient surety or sureties, within ten (10) calendar days after the prescribed forms are presented for signature. Required bond and insurance documents shall be furnished with the executed contract.
- b. Within seven (7) days after execution of the contract, the Contractor shall furnish to the owner; a statement of costs for each major item or the work included in his bid and a list of the subcontractor's proposed for the principal portions of the work. The bidder will be required to establish to the satisfaction of the Owner the reliability and responsibility of the proposed subcontractors to furnish and perform the required work.
- c. The Contractor will be required to keep an accurate accounting of all labor and materials entering into the job. It will be required that this be brought up to date each week.

15. Assignments:

Neither this contract nor any interest therein nor claim there under may or shall be assigned or transferred by the Contractor except as expressly authorized in writing by the School District. No contract, subcontract or agreement shall be made by the Contractor with any other party for furnishing any of the product, work or services herein contracted without the written approval of the School District.

16. Contract Changes:

In no event shall any understanding or agreement, contract modification, change order or other matter which would constitute a deviation from the terms of this contract be effective or binding upon the School District unless expressly stated and agreed to in writing executed by the School District official possessing contractual authority for said district.

17. Contract Guidelines:

Bidders agree that a contract does not become effective until it is awarded and a written agreement, purchase order, award letter, or other notice to proceed is executed or issued by the School District.

18. Non-Collusive Affidavit:

By submitting a bid, the company and the individual personally signing the bid represent and warrant that such bid is genuine and is neither collusive nor made for or on behalf of any person not named, and that he has neither induced nor solicited any other company to place a sham bid nor directly or indirectly caused another company to refrain from or be unable to present a bid.

19. Penalty for Collusion:

If at any time it shall be found that the person, firm or corporation to whom a contract has been awarded has, in presenting any bid, colluded with any other part or parties, then, in the sole discretion of the District, the contract so awarded shall be null and void or considered breached and the contractor shall be liable to the District for any and all loss and damage of whatsoever nature, which the District may suffer and the District may seek a new contractor.

20. Non-Discrimination:

The company shall not discriminate against, or segregate, a person or a group of persons on account of race, color, creed, religion, sex, sexual orientation, marital status, familial status, national origin, ancestry, disability or condition of acquired immune deficiency syndrome (AIDS) or AIDS-related complex in carrying out its duties and obligations pursuant to this agreement nor shall the company or any person claiming under or through the company establish or permit any such practice or practices of discrimination or segregation. The company must include in any and all subcontracts a provision similar to the proceeding.

21. Proprietary Information:

All information submitted in response to this bid is public after the bid opening. The bidder should not include as a part of the response to the invitation to bid any information which the bidder believes to be a trade secret or otherwise privileged or confidential. If the bidder wishes to include such material with a bid, then the material should be supplied under separate cover and identified as confidential. The District does not warrant or agree to, but will endeavor to, keep that information confidential. Contractor acknowledges that information in the possession of the District may be subject to the provisions of the Arkansas Freedom of Information Act.

22. Reservations:

The RFP does not commit the District to award a contract, to pay any costs incurred in the preparation of a bid in response to the invitation, or to procure or contract for services or supplies. The District reserves the right to accept, or reject, in part or its entirety, any bid received as a result of the RFP, if it is in the best interest of the District to do so.

23. Severability:

The finding or determination of any part or parts of the General Instructions, Terms and Conditions is void, unenforceable, invalid or voidable shall result in only that part being stricken with the remainder to continue in full force and effect.

24. Withdrawal of Bid: A bid may be withdrawn before the expiration of the time during which bids may be submitted, without prejudice, by submitting a written request for its withdrawal to the owner.

(end of section)

Evaluation Process

Valley View School District RFP process for the construction of the synthetic turf Baseball and Softball fields will include an evaluation component. After the conclusion of the BID openings, an evaluation committee will grade and evaluate the vendors based on the following criteria. This evaluation will provide the basis for a more complete assessment of the Turf and Base companies. We encourage companies to present 1 (one) informational binder for the appropriate scope of work, that provides the following information in the order shown below.

Synthetic Turf Companies

VIABILITY	Total Points 25	
Business Tenure/Resources		20%
Customer References		20%
Baseball Field Experience		40%
Post Installation Support		10%
Meets Timeframe for Completion (Include: Construction Sequence Schedule, as specified in RFP)		10%
SUBMITTALS	Total Points 20	
Evidence of 3 Warranties		25%
Meets Turf Specifications		60%
Mission Statement / Customer Focus		15%
TURF EVALUATION SAMPLES	Total Points 15	
Rubber Infill Sample		20%
Raw Turf Sample		30%
Turf Sample with Infill		50%
PROJECT PROPOSAL/PRICE	Total Points 40	
RFP Bid Price (\$)		70%
Base Construction Partner (15% if applicable)		15%
Turf Manufacturer/Installation Crew (30% if no Base Partner)		15%
SCORE		
Total Points Possible	100.00	

Base Construction Companies

VIABILITY	Total Points 40	
Business Tenure / Location		10%
Base Building Experience		20%
Customer References		20%
Meets Timeframe for Completion (Include: Construction Sequence Schedule, as specified in RFP)		40%
RFP SUBMITTALS	Total Points 30	
Equipment Resources		30%
Post Installation Support		20%
Mission Statement / Customer Focus		20%
Portfolio of Projects		20%
Testimonials		10%
PROJECT PROPOSAL/PRICE	Total Points 30	
RFP Price (\$) (100% if no Turf Partner)		80%
Turf Construction Partner (20% if applicable)		20%
SCORE		
Total Points Possible	100.00	

Section D-1 Technical Specifications for Synthetic Turf Project

Athletic Field Subsurface Drainage System

1.1. SCOPE OF WORK

Furnish design drawings, labor, equipment and materials to install the Athletic Field Subsurface Drainage System, consisting of perimeter, under-drain/collector pipe, geo-textile, composite flat drains, and bottom and top layer stone bases as all specified herein.

1.2. PROJECT REQUIREMENTS

- A. As required by code or the authorities having jurisdiction, the Contractor shall provide design and necessary design documents for all work in these specifications, and indicated on the attached drawings. All designs shall incorporate all code requirements and the special requirements shall be the responsibility of the Contractor.

The design and design documents must be submitted to and approved by the Owner prior to submittal to the authorities having jurisdiction.

- B. As required by code or the authorities having jurisdiction, the Contractor shall be responsible for obtaining all licenses and permits, and the payment of all required fees. Copies of all permit applications shall be submitted to the Owner's representative prior to the start of the project. Copies or proof of all final inspection approvals by the Authorities Having Jurisdiction shall be furnished to the Owner's representative prior to final acceptance.
- C. Coordinate work with Owner's Representative.
- D. Compliance with all local, state and federal codes, ordinances, regulations and laws applicable to the work to be done shall be considered as minimum requirements, and everything shown or specified in excess of these minimum requirements shall be installed in excess thereof. No instructions given in the contract documents shall be construed as an authorization to violate any code, ordinance, regulation or law.
- E. Work, once started, shall be diligently carried out toward completion. All work shall be done in a workmanship-like manner in accordance with standard practices, local codes and ordinances, applicable statutes and in accordance with manufacturer's recommendations, where applicable.
- F. The Contractor is required to perform this work within the precepts of OSHA/TOSHA guidelines for a safe working environment. The Contractor shall erect and maintain, as required by conditions and progress of the work, all reasonable safeguards for safety and protection, including signs, dust barriers, barricades, temporary lights and warning lights. Further, the job site will be continuously kept

clear of hazardous conditions. Conditions, which in the opinion of the Owner's representative are unsafe and correctable, shall be immediately cleared. Failure to do so will result in a job stoppage until the situation has been cleared.

- G. The Owner may, at his discretion, engage the services of a testing laboratory to ensure that all materials and workmanship are in accordance with the plans and specifications. The testing expense will revert to the Contractor should the material or workmanship fail to comply with requirements.
- H. The Contractor shall provide entire copies of these specifications and plans to the installing superintendent. The specifications and plans' copy shall be kept on the job site for referral by the installing craftsmen and the Owner's representative.
- I. No storage space is available on site, the Contractor shall provide adequately sized, on-site storage trailer(s) to store and protect all materials, equipment and tools. The owner or their representative shall determine the location of the storage trailer(s).
- J. The Contractor shall provide an adequate size trash container on site during the duration of the project. The trash container shall not be allowed to overflow and shall be dumped regularly. Demolished materials and trash shall not be placed on the ground around or about the trash container. The principal or their representative shall determine the location of the trash container. The school's trash containers shall not be used for disposal.
- K. The contractor must have a member on their construction team that has built at least 5 base installations on full size (70,000sq/ft or more) baseball fields with similar aggregate drain bases, and provide a reference list of these installations. The Contractor shall employ only qualified, experienced supervisors and technicians skilled in building the base of the specified system.

1.3. REFERENCES

Comply with applicable requirements of the American Society for Testing and Materials (ASTM) standards and Occupational Safety and Health Administration (OSHA). Should the standards conflict with other specified requirements, the most restrictive requirements shall govern.

1.4. SUBMITTALS

- A. Provide Shop Drawings for materials to be supplied.
- B. Provide certifications stating that the materials used to comprise the system comply with the requirements of these specifications. All piping and appurtenances shall be

new, clean and in accordance with material specifications, unless specifically noted on the plans.

- C. Pipe size and classification shall be as shown on the plans.
- D. Dynamic stone base material gradations shall be submitted for review prior to delivery of any material.

1.5. **PRODUCT DELIVERY**

- A. Take all required measures to ensure that all piping and related appurtenances are protected from damage.
- B. Special care shall be exercised during delivery and storage to avoid damage or contamination to the products.
- C. All materials shall be delivered and stored within the Contractor's work limits or in an area approved by the Owner.
- D. Products that are damaged will be removed and replaced, unless the product can be repaired in an acceptable manner.
- E. Protect aggregates and base materials from soil contamination.

SECTION 2 Products

2.1 MATERIALS

- A. Perimeter French Drain/Collector Pipe:
 - 1) All specific pipe sizes shall be noted on the Contract Drawings:
 - 2) Fittings and couplers shall be split couplings or snap couplings manufactured by the same manufacturer as the corrugated polyethylene pipe;
 - 3) French Drain/Collector Pipe bedding shall conform to #57 stone.
- B. Non-woven or woven geo-textile as specified by the engineer and shall consist of long-chain polymeric fibers composed of polypropylene, polyethylene or polyimide. The fibers shall be oriented into a multi-directional stable network whereby they retain their positions relative with each other and allow the passage of water as specified. The fabric shall be free of any chemical treatment or coating, which reduces the permeability and shall be inert to chemicals commonly found in soil. The fabric shall be UV resistant. If local conditions allow and a permeable linear is recommended, then the linear shall consist of a permeable geo-textile woven fabric weighing at least 4 oz/sy. The fabric shall be ADS Propex 200st woven stabilization geo-textile or approved equal.
- C. The geo-textile shall conform to the following minimum average roll values:

Weight	ASTM D-37764.0
Tensile Strength	ASTM D-4632 100
Elongation %	ASTM D-4632 50

Puncture, lb	ASTM D-751 50
Mullen Burst, psi	ASTM D-3786 200
Trapezoidal Tear, lb	ASTM D-4533 42
Coefficient of Permeability	ASTM D-4491 .1 cm/sec
Flow Rate, gpm/ft ²	ASTM D-4491 100
Permittivity, 1/sec	ASTM D-4491 1.8
Apparent Opening Size	ASTM D-4751 Max US Std Sieve Opening
Seam Strength, lb/ft	ASTM D-4595 100
Fungus	ASTM G-21 No growth

- D. The Bull Pen composite flat drain shall be made of high-density polyethylene. These flat drains are an ADS AdvanEdge 12"x1.7", with **NO** filter sock, and shall daylight over the French drains. The core shall be constructed of polyethylene to provide flow channels and structural integrity of the drain. The geo-textile functions only as a filter. The core of the drain shall conform to the following minimal physical property requirements:

Thickness	ASTM D-1777 1.0 to 1.5 inches
Flow Rate*	ASTM D-4716 20 gpm/ft
Compressive Strength	ASTM D-1621
Strength	(modified sand method) 6000 psf

*At gradient = 0.1, pressure = 10 psi for 100 hours

- E. The fittings used with the collection system shall be of a "snap together" design. In no case shall any product be joined without the use of the manufacturer's connector designed specifically for the purpose.
- F. Dynamic Stone Base Bottom Layer and Dynamic Stone Base Top Layer shall conform to the following:
1. The base filter of rock will consist of a bottom layer of 4.5" of #57 nominal ¾" to 1" washed granite / limestone/or approved sand stone, and a top layer of 1.5" of #2 chips (#89) nominal ¼" washed granite/ limestone/ or approved sand stone. The material shall consist of durable broken or crushed stone and shall be the product resulting from the artificial crushing of rocks, boulders or large cobblestones, substantially all faces of which have resulted from the crushing operation. Broken or crushed stones shall consist of sound, tough, durable stone reasonably free soft, thin, elongated, laminated, friable, micaceous or disintegrated pieces, mud, dirt or other deleterious material and shall be sized to meet the requirements of the gradations below for each layer of stone base. The use of reclaimed miscellaneous aggregate will not be allowed for any part of the mixture for these materials.

2. Test for Resistance to Abrasion: Gravel materials shall show a loss on abrasion of not more than fifty percent (50%).
3. Soundness: When tested with a magnesium sulfate solution for soundness using coarse aggregate shall not have a loss of more than fifteen percent (15%) at the end of five cycles.
4. Gradations:

Dynamic Stone Base – Bottom Layer #57 Aggregate

ASTM Standard

Sieve Size	Percent Passing by Weight
1 1/2"	100
1"	95-100
1/2"	25-60
3/8"	_____
#4	0-10
#8	0-5
#16	_____
#50	_____
#200	0-2

Dynamic Stone Base –Top Layer #89 Aggregate

ASTM Standard

Sieve Size	Percent Passing by Weight
1/2"	100
3/8"	90-100
#4	20-55
#8	5-30
#16	0-10
#50	0-5
#200	0-2

SECTION 3 EXECUTIONS

3.1 PREPARATION

- A. Examine the areas and conditions under which the subsurface drainage system work is to be installed. Correct any and all conditions detrimental to the proper completion of the work. Do not proceed with the work until satisfactory conditions have been achieved.
- B. Verify that the sub grade of field is to the proper grades indicated on the contract drawings. Correct all deficiencies as necessary.

- C. Do not proceed with any installations before receiving written approval from the owner's representative for the material.

3.2 PERIMETER FRENCH DRAIN /COLLECTOR PIPE

- A. Install pipe and bedding in conformance with the Storm Drainage requirements of these specifications and as recommended by the pipe manufacturer.
- B. Excavation for installation of pipes shall be in trenches to the lines, grades and widths as per the Contract Drawings and in accordance with Safety and Health Regulations (OSHA).
- C. After installation of pipe, inspect to determine whether line displacement or other damage has occurred.
- D. Make inspections after lines have been installed prior to backfilling and during the backfilling process and again at the completion of backfilling. After drain pipes have 6" of material on top of them, they are to be compacted with a vibrating pad, and vibrated every 6" until trenches are filled. Backfill material shall conform to the material as specified on the drawings.
- E. If inspection indicates poor alignment, debris, displaced pipe, infiltration or other defects, take whatever steps are necessary to correct such defects.

3.3 GEOTEXTILE/EMBEDDED ITEMS

The geo-textile fabric shall be installed as per manufacturer's recommendations on the entire surface of the finished sub grade. Material should be installed with an 18" overlap of each roll, and pinned with sod staples.

Perimeter and interior edge details, underground storm sewer piping and connections, and goal post foundations required for the system shall be as shown on the drawings and as specified. The costs for these embedded items shall be included in the Contractors' price along with the compacted, porous sub-base.

- A. All sub-surface synthetic wood blocking and synthetic wood nailer boards shall be of Plastic/composite materials as manufactured by Rhino Board, or approved equal. Maximum 2"x4". Transition from turf to sod has 3/8" thick black rubber horse trailer type matting cut and adhered in 5" strips. (see underdrain Detail).

All sub-surface fasteners shall be fully corrosion resistant materials of hot dipped galvanized or stainless steel type, with wedge and nut (wedge anchors) tightening design. Zinc or cadmium plated will not be accepted.

3.4 COMPOSITE FLAT DRAIN

The composite flat drain system shall be installed true to line and grade in accordance with the manufacturer's recommendations and in conformance with the contract drawings. At no point shall the drain deviate from the geo-textile due to rock underneath the drain pipe. The drains shall daylight above the French drain perimeter. Spike nails are to be placed every 10' in order to hold the drain pipe tight to the geo-textile.

3.5 STONE BASES

- A. Upon the completion of constructing an approved field sub grade, the Contractor shall install both the bottom and top dynamic stone base layers within a 20' x 20' test area for the purpose of determining that the contractor means and methods of placing the material conforms to the following requirements:
 - 1) Compaction of both layers: the dry density after compaction shall be 95% of the dry density for the material being tested in accordance with Proctor procedure according to ASTM 1557;
 - 2) Permeability of base bottom layer shall be greater than 50 in/hr (3.5×10^{-2} cm! sec).
 - 3) Permeability of base top layer shall be greater than 10 in/hr (7.0×10^{-3} cm! sec).
 - 4) Porosity of both layers shall be greater than 25% (when base is saturated and compacted to 95% proctor).
- B. The above testing and any subsequent retesting shall be performed by an independent testing laboratory with the costs borne by the Contractor.
- C. When the results of the above testing requirement are not satisfactory to the Engineer, the Contractor shall adjust his procedure as required to attain the necessary results.
- D. Upon desired test results and approval from the Engineer, the Contractor may proceed with the complete installation of bottom layer of stone base and then the top layer of stone base following the approved installation procedure.
- E. The surface of each stone base layer shall be formed to meet the design elevations to within $\frac{1}{2}$ " and the surface shall not deviate more than $\frac{1}{4}$ " over 10' in any direction.
- F. Contractor will check surface tolerance prior to installation of synthetic athletic surface.

- G. Owner has the right to have independent testing on site during construction at owner's cost

3.6 ATHLETIC EQUIPMENT-FOUL POLES AND BASES

PART 1 GENERAL

1.01 WORK INCLUDED

Provide all equipment and materials and perform all work necessary to furnish and install the athletic equipment, as indicated on the drawings and as specified herein. Athletic equipment shall include, but not limited to:

1. BBP-C Set of 3 Schutt MLB Hollywood bases, 3 ground anchors, 3 base plugs, and 1 dig-out tool.
2. BBPB Schutt 4-sided Pro Pitching Rubber
3. SRHP Schutt Hollywood Bury-All Home Plate

1.02 RELATED WORK

Examine contract documents for requirements that may affect work of this section. Other specification sections that directly relate to the work within this section include, but are not limited to:

1. Earthwork; Excavation and Backfill and establishment of sub-grade elevations.
2. Synthetic Field Surfacing
3. Cast-in-Place Concrete

1.03 REFERENCES

Comply with applicable requirements of the following standards. Where these standards conflict with other specified requirements, the most restrictive requirements shall govern.

1. National Federation of State High School Associations (NFHS)
2. National Collegiate Athletic Association (NCAA)
3. International Amateur Athletic Association (IAAF)
4. American Sports Builders Association (ASBA)
5. Manufacturers Data and Recommended Installation Requirements

1.04 SUBMITTALS

- A.** Manufacturers Product Data
Provide manufacturers product data prior to actual field installation, for Engineers or Owners representatives review.
- B.** Shop Drawings
Provide drawings of the manufacturers recommended installation and foundation requirements prior to actual field installation, for Engineers or Owners representatives review.

1.05 QUALITY ASSURANCE

Manufacturers warranties shall pass to the Owner.

1.06 PRODUCT DELIVERY AND STORAGE

Materials delivered to the site shall be examined for damage or defects in shipping. Any defects shall be noted and reported to the Owners representative. Replacements, if necessary, shall be immediately re-ordered, so as to minimize any conflict with the construction schedule. Sound materials shall be stored above ground under protective cover or indoors so as to provide proper protection.

PART 2 PRODUCTS

2.01 Baseball / Softball Bases (2 each)

BBP-C Set of 3 Schutt MLB Hollywood bases, 3 ground anchors, 3 base plugs, and 1 dig-out tool #BBP-C as manufactured by (or Engineer Approved Equal):

Schutt Sports
710 S. Industrial Drive
Litchfield, IL 62056
Phone: 1.800.426.9784
Fax: 217.324.2732
www.schuttsports.com

2.02 Baseball / Softball Pitching Rubber (4 each)

BBPB Schutt 4-sided Pro Pitching Rubber #12909180 as manufactured by (or Engineer Approved Equal):

2.03 Baseball / Softball Home Plates (4 each)

SRHP Schutt Hollywood Bury-All Home Plate #12908170 as manufactured by (or Engineer Approved Equal):

PART 3 EXECUTION

3.01 INSTALLATION OF EQUIPMENT

All athletic equipment shall be installed per manufacturer's instructions and as indicated on the drawings.

END OF SECTION

SECTION D-2 INFILLED SYNTHETIC TURF

Part 1 – General

1.1 Summary

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 materials 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.

1.3 Submittals

A. Submit the following with BID:

1. 12" x 12" Raw Sample of proposed Synthetic Turf, and same box sample with specified rubber infill material
2. 8 oz. bag of specified SBR rubber granules.
3. Injury documentation/background on system being bid.
4. Past project experience with references per paragraph 1.5 A below.
5. Copy of Testing data on proposed product
6. Copies of (total of 3) 8 yr warranties on Fiber, Manufacturer, & Installation

B. Prior to order of materials, the Contractor shall submit the following:

1. Product Warranty.
2. Details on construction, especially any details that may deviate from plans and specifications.

C. Prior to the beginning of installation, the manufacturer/installer of the synthetic turf shall inspect the base and supply a Certificate of base Acceptance for the purpose of obtaining manufacturer's warranty for the finished synthetic playing surface.

D. Prior to Final Acceptance, Contractor shall submit the following to the Owner:

1. Three (3) copies of Maintenance Manuals, which will include the necessary instructions for the proper care and preventive maintenance of the synthetic turf system, including painting and striping.
2. The Contractor shall provide the necessary testing data to the owner's representative that the finished field meets or exceeds the required shock attenuation property (G-Max) per paragraph 1.5.B2 and will not exceed that level throughout the warranty period.

1.4 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. Seaming plan
 2. Installation details, edge detail, goal post detail, other inserts and covers.
 3. Striping plan, layouts showing any field lines, markings and boundaries, and field logos per project drawings.

1.5 Quality Assurance

- A. Manufacturer/Installer's Experience

The Installer shall have the experience of at least five (5) acceptable installations of Baseball & Softball fields (3 with minimum of 30,000 SF, and 2 with minimum of 90,000 SF) in the United States within the past three (3) years of infilled polyethylene long fiber systems. The Contractor must have at least 3 installations with the same manufacturer as proposed, and provide information in the reference list of these installations. The Contractor shall employ only qualified, experienced supervisors and technicians skilled in the installation of the specified system.

- B. Warranty

The Contractor shall submit its Manufacturer's Warranty guaranteeing the usability and playability of the synthetic turf system for its intended use for an eight (8) year period commencing with the date of Substantial Completion. The warranty coverage shall not be limited to the amount of usage.

The warranty submitted must have the following characteristics:

1. Must provide full coverage for eight (8) years from the date of Substantial Completion;
2. Warranty must state that the average G-Max of the outfield play area will not exceed 150 for the life of the warranty.
3. Must warrant materials and workmanship;
4. Must warrant that the materials installed meet or exceed the product specifications;
5. 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;
6. Must be a manufacturer's warranty from a single source and a total of three warranties 1)workmanship and all self-manufactured or procured materials 2) a fiber warranty 3) an installation warranty
7. Guarantee the availability of replacement materials for the synthetic turf system installed for the full warranty period;
8. By submitting a bid, the Contractor agrees that upon notification of synthetic turf material failure that the Contractor will, within twenty-four (24) hours, initiate repair of same.

Owner reserves the right to request the addition of a bonded warranty to the specified scope of the work at a cost to be negotiated with the low bidder. Said cost shall be the direct cost of the insurance policy only and shall exclude any markup from the contractor. Owner also reserves the right to send turf sample to TSI for testing and verification of meeting required specifications. If sample does not meet specifications contractors bid can be dismissed, and contractor liable for reimbursement of testing costs.

1.6 Surface Area

The Contractor is to verify all field measurements.

1.7 Utilities

The Contractor shall supply electricity for installation.

Part 2 – Products

2.1 General

- A) 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 climate exposure in Central Arkansas, be resistant to insect infestation, rot, fungus and mildew; to ultra-violet light and heat degradation, allowing free movement of surface run-off where such water may flow to the sub-base and into the field drainage system.

- B) The finished playing surface shall appear as mowed grass with no irregularities and shall 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 ideal for baseball, softball, football practice in the outfield, PE classes, intramurals, and recreational use. All boundary lines will be factory tufted in the approaching rolls to meet the required field layout and dimensions as noted in the drawings.

2.2 Synthetic Turf Surface

The synthetic turf surface specifications may be proposed per the manufacturers recommended system, which allows for variation among manufacturers to their specific design criteria. Regardless of specific design, the owner wants the very best quality field. Therefore, the following are some minimum requirements that must be met. Please give a complete description of your proposed turf specifications for the different areas of the baseball field. For instance, the specifications for the high slide or batter's box areas, that might be different from other turf specifications.

- A. The turf fiber shall be a low abrasive, proven, UV resistant 100% polyethylene slit-film system designed for Baseball.

- B. The Synthetic Turf Surface shall meet the following minimum properties:

- | | |
|---|----------------------------|
| 1. Minimum pile length | 1.5 -2.00" |
| 2. Maximum pile length | 2.125" |
| 3. Minimum yarn denier | Slit-film 8,000 |
| 4. Filament Minimum Thickness | slit-film 100 microns |
| 5. Minimum pile weight | 40 -70 ounces/sq yd |
| 6. Stitch gauge | 3/8" |
| 7. Tuft Bind | Slit-Film: >12lbs+ average |
| 8. Minimum total Urethane secondary backing weight | 24 ounces/sq yd |
| 9. Porous backing by means of 3/16" – 1/4" perforations on minimum of 4" Centers capable of draining 20.25" of water per hour | |

- C. The Carpet shall consist of FIELD GREEN and RED CLAY COLOR 100% Tencate XP Blade (Old XP Pro) OR EQUAL, Domestic parallel slit-film fibers tufted into a porous or perforated primary backing.

-
- D. The Carpet shall be furnished in 15' wide rolls, and will be approved for Field Green and Red Clay (Terra Cotta) Colors contrast.

- E. The Carpet's primary backing shall be a triple-layered polypropylene fabric treated with UV inhibitors. The secondary backing shall consist of an application of 24oz per sq/yard of porous, heat-activated urethane to permanently lock the fiber tufts in place.

2.3 Infill Material

The infill system shall provide a safe, highly playable system similar in play, performance and feel to the best natural grass and clay system Baseball fields.

The infill system shall consist of ground SBR ambient processed rubber and high quality sand, and **must meet** the high standards listed below.

- Rubber material shall have less than 0.002% free metal content as measured in accordance with ASTM D 5603 7.3.2
 - Rubber material shall have less than 0.001% free fiber content as measured in accordance with ASTM D 5603 7.4
 - Rubber material shall have less than 0.002% free mineral content as measured in accordance with ASTM D 5603 7.3.1
 - Rubber material shall have less than 0.3% particles smaller than 35 MESH in accordance with test sieve DIN 3310-1
 - Sand must be material designed for synthetic turf infill, and have sub-rounded to rounded shape angularity from Kaw Valley or equal.
- A. The rubber and sand shall be installed in 1/8" lifts by a drop or broadcast spreader, and brushed using a Laymor sweeper to fill the voids between the fibers and allow the fibers to remain vertical and non-directional. Contractor will work with the owner to determine percentage of rubber/sand to maximize the desirable surface for play. The infill shall be 3/8" inches less than the turf fiber length. There should be 3.0+ Pounds of rubber per sq/ft in the outfield.

2.4 Seams

All seams, shall be sewn using heavy nylon thread, or glued using 360° hot melt bonding. Seams shall be flat, tight and permanent with no separation or fraying

2.5 Areas, Lines and Markings

- A. All perimeter base lines will be tufted into the clay colored turf and green outfield turf.
- B. All markings, lettering and lines not tufted in shall be inlaid and comply with all currently applicable National Federation of State High School Association rules for Baseball and/or any other rules or standards.
- C. Inlaid markings that cannot be tufted into the fabric shall be installed by removal of the existing green fiber and bonding the field markings to seaming tape in the same manner as the seams. The fiber tips shall be equal in height to the surrounding green turf and not create a raised area on the playing surface.
- D. The batter's boxes for Baseball & Softball will have 3ea (Velcro) replaceable red clay colored turf insert panels as shown on DWGS for RH, LH, and catcher/umpire areas.

Turf manufacturer will supply a total of 6 each extra inserts for future replacement of these 3 areas, making a grand total of 18 extra inserts.

- E. The Baseball pitcher's mound will utilize a concrete base with cutout for shock pad placement on front for pitcher's plant foot, and have a replaceable turf plant red clay colored panel as shown on DWGS. Turf manufacturer will supply a total of 6 each extra turf inserts for future replacement. Softball pitcher's mound will have 6 replaceable inserts.
- F. The Home and Visitor Baseball Bull Pen's will will utilize a concrete base with cutout for shock pad on front of mound for pitcher's plant foot area, a concrete base with shock pad in the catcher area, and have a replaceable turf plant foot area and catchers area, red clay colored panel as shown on DWGS. Contractor to supply 5 each Velcro replacement turf inserts. The softball Bull Pen's each have a single pitcher and catcher area in each bullpen. Turf manufacturer will supply a total of 5 each extra inserts for Pitcher and catcher locations.
- G. The Logo's which will be provided by the owner and will include *Blazers & Lady Blazers* behind home plate. Turf Contractor is responsible for installation, and will show their price on the Bid, for installation only per logo.

2.6 Shock Absorbency

Shock Impact Attenuation and ball response characteristics are critical to the successful installation of this field. The Contractor shall test the installed field with the Owner's representative for G-max to assure that the installed system meets the Consumer Products Safety Commission requirements. The Contractor shall also be responsible to ensure that the installed system meets the 150 maximum G-max requirements throughout the warranty period. The method used to measure the shock absorbency of the playing system shall be ASTM F-355, Procedure A and ASTM F1936 - 07e1.

The shock pads shall be 1" Brock Powerbase Pro or Engineer Approved Equal. The turf contractor is responsible for providing and installation. Additionally, 16 (12 bull pen, 4 field mound) replacement shock pads shall be provided for the Baseball Field and 12 replacement shock pads shall be provided for the Softball Mound and Bullpens.

2.7 Embedded Items

Perimeter and interior edge details, underground storm sewer piping and connections, and goal post foundations required for the system shall be as shown on the drawings and as specified. The costs for these embedded items shall be included in the Contractors' price along with the compacted, porous sub-base.

- B. All sub-surface synthetic wood blocking and synthetic nailer boards shall be of polymer composite materials as manufactured by Rhino Board, or approved equal.
- C. All sub-surface fasteners shall be fully corrosion resistant materials of hot dipped galvanized or stainless steel type. Zinc or cadmium plated will not be accepted unless OR approves due to availability.

2.8 Manufacturers

Only Manufacturers with the ability to supply synthetic turf (carpet) in strict accordance with the product specifications and installation specifications will be considered for the award.

Part 3 – Execution

3.1 General

- A. The installation shall be performed in full compliance with approved shop drawings.
- B. 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 supervision, shall undertake the placement of the system.
- C. 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 throughout the process.

3.2 Installation

- A. The sub-base and curbs shall be inspected by the Contractor by means of a laser level and plotted on a 10-foot grid. Based upon the owner's rep review of the topographic survey, the Contractor shall fine grade the sub-base suitably, including properly rolling and compacting the base. APPROVAL OF THE SUB-BASE FOR TOLERANCE TO GRADE WITHOUT VERIFYING EXISTING GRADES SHALL NOT BE MADE.
- B. The Contractor 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.
- C. Synthetic turf shall be loose laid across the field, stretched and attached to the perimeter edge in detail in accordance with the Manufacturer's standard

procedures. 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, except for inlaid markings, shall be sewn or bonded via hot melt adhesive per Manufacturer's recommendations. All seams shall be flat, tight and permanent with no separation or fraying. Inlaid markings shall be adhered to a special tape with a high strength polyurethane adhesive applied per the Manufacturer's standard procedures for outdoor applications.
- E. Infill materials shall be installed in accordance with the Manufacturer's standard procedures. The infill material shall be installed to a depth in order to achieve specified G-max requirements.
- F. The Contractor shall provide an adequate size trash container on site during the duration of the project. The trash container shall not be allowed to overflow and shall be dumped regularly. Demolished materials and trash shall not be placed on the ground around or about the trash container. The principal or their representative shall determine the location of the trash container. The school's trash containers shall not be used for disposal.

3.3 Field Markings and Decorations

- A. Game markings, lettering and logos will be inlaid and installed per approved project shop drawings. **All Logos will be provided by owner.**
- B. All designs, markings, layouts and materials shall conform to all currently applicable Arkansas Athletic Association rules and/or other standards that may apply to this type of synthetic turf grass installation.
- C. Inlaid markings (that cannot be tufted into the fabric) shall be installed by the removal of the existing green turf, and bonding the field marking by means of seaming tape and glue. When installed the fiber tips shall be equal in height to the surrounding green turf and not create a raised area on the playing surface. Shearing or trimming of fibers to achieve this requirement is not allowed.

3.4 Clean Up

- A. 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.
- C. The Contractor shall keep the area clean throughout the project and clear of debris, utilizing a job site dumpster.

- D. The surface and project site shall be cleaned as necessary to leave the work area in a clean, immaculate condition ready for immediate occupancy and use by the Owner.

Part 4 - Other Materials and Equipment

A. Repair Materials

Upon Substantial Completion, provide directly to Owner the following items in the minimum quantities specified:

1. Seaming Tape – 200 LF
2. Seaming Adhesive– 6 Caulk Tubes of Turf Adhesive
3. Turf – 15' x 10' solid green and red clay section of playing field turf
4. 4" Wide x 20' Long section of each color used as inlays
5. 500 pounds of SBR Rubber infill material

(end of section)