

VERNON HILLS PARK DISTRICT

D73 Kindergarten Playground Safety Surface

2020



Project Manual/Bid Specification

Project Title: D73 Kindergarten Playground Safety Surface 2020

Site Address: D73 Kindergarten
637 Aspen Drive
Vernon Hills, IL 60061

Owner: Vernon Hills Park District
635 Aspen Drive
Vernon Hills, IL. 60061

Owner's Rep: James Kim, Parks Superintendent 847-996-6817

Bid Documents: Plans and/or Specifications are available at:
www.vhparkdistrict.org
Under Park District Information Tab - Bids
All documents are electronically available on the website
Paper copies are subject to a fee

Pre-Bid Meeting: **December 10, 2019 @ 2:30pm**
Vernon Hills Park District
Sullivan Center
635 Aspen Drive
Vernon Hills, IL 60061

Bid Due Date: **December 20, 2019 @ 2:30pm**
Vernon Hills Park District
Sullivan Center
635 Aspen Drive
Vernon Hills, IL. 60061

Bids will be publicly opened and read aloud at that time.
Bids will NOT be accepted at any other locations.

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ADVERTISEMENT for BID

November 26, 2019

Project Name: D73 Kindergarten Playground Safety Surface 2020

The Vernon Hills Park District (the “District,” “Park District” or “Owner”) will receive sealed bids for the above referenced Project until **December 20, 2019 @ 2:30pm**, at the Vernon Hills Park District office, 635 Aspen Drive, Vernon Hills, Illinois 60061-1620, and thereafter will be publicly opened and read aloud.

Each bid must be placed in a sealed opaque envelope and shall be clearly marked "**Sealed Bid – D73 Kindergarten Playground Safety Surface 2020**" addressed and delivered to the **Vernon Hills Park District, Attn: James Kim, Parks Superintendent – 635 Aspen Drive Vernon Hills, IL 60061-1620** .

Bid Documents may be obtained from the Vernon Hills Park District website: www.vhparkdistrict.org, under Park District Information – Bids. For more information, contact **James Kim, Parks Superintendent @ 847-996-6817** or jamesk@vhparkdistrict.org

A Pre-Bid meeting will be held at the Vernon Hills Park District at **Sullivan Center 635 Aspen Drive Vernon Hills, IL 60061 on December 10 at 2:30pm**. This meeting will be used to review the Specifications and give any Bidders the opportunity to discuss any concerns with the Owner. This is a not a mandatory meeting. Please bring a hardhat to visit install site at 637 Aspen.

The District reserves the right to waive all technicalities, to accept or reject any or all bids, to accept only portions of a bid and reject the remainder. Owner will award the Contract to the lowest most responsible and responsive Bidder, as determined by Owner. In considering the Bidder’s responsibility, the Owner may evaluate, among other factors, the ability of the Bidder to provide experienced labor sufficient in numbers to timely and properly complete the Work, the financial capability of the Bidder, and the performance of the Bidder on other projects.

The Work of this Project is subject to the Illinois *Prevailing Wage Act*, 820 ILCS 130/0.01 *et seq.* A prevailing wage determination has been made by the Park District, which is the same as that determined by the Illinois Department of Labor for public works projects in Lake County. The Contract entered into for the Work will be drawn in compliance with said law and proposals should be prepared accordingly and provide for payment of all laborers, workmen, and mechanics needed to perform the Work at no less than the prevailing rate of wages (or the prevailing rate for legal holiday and overtime work) for each craft, type of worker, or mechanic.

All bids must be accompanied by cashier’s check or bid bond payable to the order of the Vernon Hills Park District for ten percent (10%) of the amount of the bid as provided in the Instructions to Bidders. No proposals or bids will be considered unless accompanied by such bond or check.

The Contractor(s) selected will also be required to comply with all applicable federal, state and local laws, rules, regulations and executive orders, including but not limited to those pertaining to equal employment opportunity.

The Vernon Hills Park District is an Equal Opportunity Employer and encourages “minority” business firms to submit bids on the approved Project and encourages the successful Contractor(s) to utilize minority businesses as sub-Contractors for supplies, equipment, services and construction.

Dated at the Vernon Hills Park District, Vernon Hills,
Illinois, November 26, 2019

by _____
Jeff Fougrousse, Executive Director

INSTRUCTIONS TO BIDDER

DATE: November 26, 2019

BID REQUEST: D73 Kindergarten Playground Safety Surface 2020 (herein after referred to as the "Project").

Sealed bids will be accepted until December 20, 2019 @ 2:30 pm and immediately thereafter publicly opened and read aloud at Vernon Hills Park District, 635 Aspen Drive Vernon Hills, IL 60061. Bids arriving after this time will be rejected and will be returned unopened, including mailed bids regardless of when post marked. All Bidders are welcome to attend the bid opening. After bid opening, bids will be submitted for approval to the Vernon Hills Park District Board of Park Commissioners at a regularly scheduled meeting.

1. Preparation and Submission of Bid Proposal

It is the sole responsibility of the Bidder to see that his bid is received in proper time. **No faxed or e-mail bid or modification of a bid will be considered.** The Park District is not responsible for the premature opening of bids not marked as required. Any bid opened prematurely due to the failure of the Bidder to mark the envelope in accordance with these Bid Documents will be considered non-responsive. Bidders' prices are to include the delivery of all materials; including; equipment, supplies, tools, scaffolding, transportation, insurances, bonds, warranties, and all other items and facilities, and the performance of all labor and services, necessary for the proper completion of the Work except as may be otherwise expressly provided in the Contract Documents. Bids shall not include federal excise tax or state sales tax for materials to be incorporated in, or totally consumed in the prosecution of, the Work. An exemption certificate will be furnished by the Park District upon request of the Bidder.

Bidder must acknowledge all Addenda received in the spaces provided on the Contractor Bid Form. By submitting a bid, Bidder indicates that all considerations issued by Addendum are incorporated in the bid.

Bidders shall return all Bid Documents, including Drawings and Specifications with the bid, and no sheets shall be detached from any part of the Bid Documents. This is assurance that all bidders have received all documents necessary.

Attached to the Bid Form will be one or more certifications regarding the Bidder's compliance with applicable laws. **Failure of a Bidder to complete/submit a required certification shall be the basis for immediate rejection of that Bidder's bid.** The

certification of the successful Bidder shall become a part of the Contract with the Park District.

The Bidder shall submit its prices on the attached Contractor Bid Form. The Bid Form shall be executed properly and all writing, including all signatures, shall be with black ink. Failure to use the Bid Form provided could result in rejection of the bid. Do not detach any portion of this document; invalidation of the bid could result.

The Bidder shall specify in figures, in the places provided, a price for each of the separate items called for in the Bid Form.

2. Requirement of Bidders

Bidders must be able to demonstrate that they: 1) have experience in performing and have successfully performed and are still actively engaged in performing work similar in kind and scope to the Work of the Project; and 2) are able to show that they have adequate laborers and materials to successfully complete the Work as indicated in the Bid Documents and within the time required by the Bid Documents. The Contractor shall not have been debarred or determined ineligible for public contracts by any governmental agency.

The following information must be attached to the bid proposal. Failure to do so may result in disqualification of the Bidder.

On a separate sheet, list all construction projects your organization has in progress, giving the name of the project, project description, project address, owner and telephone number, architect and telephone number, contract amount, percent complete, and scheduled completion date.

On a separate sheet, list all construction projects your organization has completed in the past two years, which are comparable in scope, giving the name of the project, project description, project address, owner and telephone number. Also provide the original contract amount, the final contract amount, the substantial and final completion dates provided for in the contract and the actual dates of substantial and final completion. Where the final contract amount is materially greater than the contract amount included in the contract at the time of execution by both parties, provide an explanation of the reason(s) for the increase. Where the actual dates of substantial and/or final completion differ from those dates as included in the contract at time of execution by both parties, explain the reason for the delay in the substantial and/or final completion of the Work.

If applicable, on a separate sheet, list all administrative proceedings and litigation filed by or against Bidder in the past five (5) years, including the name and case number, name/jurisdiction of the court or administrative agency, and a summary of each claim/case, including current status and if no longer pending, the disposition. The foregoing includes but is not limited to information regarding any proceedings and actions taken by any

governmental agency to debar or disqualify the Bidder from bidding on public contracts, including the name of the agency initiating the proceeding/action, the nature of the proceeding/action, the claimed basis for the proceeding/action and the current status or disposition of the proceeding/action.

If applicable, on a separate sheet, indicate all instances in which Bidder has been rejected for not being a responsible bidder, giving the name of the project, project description, project address, owner and telephone number, architect and telephone number, contract amount, and an explanation of the circumstances surrounding the rejection.

If applicable, on a separate sheet, provide a list of all contracts to which you were a party and with respect to which you were declared to be in breach of one or more provisions, giving a the type of contract, the project location where applicable, the names and addresses of the parties to the contract, the name of the party declaring the breach, the nature of the claimed breach and current status or resolution of the claim. If a construction contract, also provide the name, address and telephone number of the architect and, if applicable also the construction manager or Owner's representative.

Other required submittals include: Bid proposal; Contractor's Compliance and Certification Attachment/ Substance Abuse Prevention Program Certification. **Failure of a Bidder to complete/submit these documents shall be the basis for immediate rejection of that Bidder's bid.**

3. Examination of Site, Drawings, Specifications

Each Bidder shall visit the site(s) of the proposed Work and fully acquaint himself with conditions, as they exist, and shall undertake such additional inquiry and investigation as he shall deem necessary so that he may fully understand the requirements, facilities, possible difficulties and restrictions attending the execution of the Work under the Contract. Bidder shall thoroughly examine and be familiar with all of the Bid Documents including but not limited to the Drawings and the written Specifications. Any conflicts or discrepancies found between or among Bid Documents including but not limited to the Drawings and written Specifications and the site conditions, or any errors, omissions or ambiguities in the Drawings or written Specifications shall be immediately reported to the Park District and the Architect and written clarification requested prior to submission of a bid.

The failure or omission of any Bidder to obtain, receive or examine any form, instrument, or information or to visit the Project site(s), and become knowledgeable with respect to conditions there existing, or to seek needed clarification shall in no way relieve any Bidder from any obligations with respect to his/her bid. By submitting a bid, the Bidder agrees, represents and warrants that he has undertaken such investigation as he deemed necessary, has examined the site(s) and the Bid Documents, has obtained all needed clarifications and where the Bid Documents indicate in any part of the Work, that a given result be produced, that the Bid Documents are adequate and the required result can be produced as indicated

in the Specifications and Drawing(s). Once the award has been made, failure to have undertaken and completed the foregoing tasks shall not be cause to alter the original Contract or to request additional compensation.

4. Acceptance or Rejection of Bids

The Park District may accept the bid of, and award the contract for the Work to, the lowest responsive and responsible Bidder as determined by and in the sole discretion of the Park District.

The Owner reserves the right to (1) reject all bids; (2) reject only certain bids which are non-conforming or non-responsive to the bid requirements; (3) accept only a portion, part or specific items of Work of all and reject others, as the Owner shall in its sole discretion determine to be in its best interest; and/or (4) award the Contract to the responsible Bidder submitting the lowest bid responsive to the bidding requirements. No bid will be accepted from or Contract awarded to any person, firm or corporation that is in arrears or is in default to the Park District upon any debt or contract, or that is a defaulter, as surety or otherwise, upon any obligation to said Park District or that has failed to perform faithfully any previous contract with the Park District.

In the event of a rejection of a portion, part, or certain items of Work of all bids, the bid of each Bidder shall automatically be deemed reduced by the amount of such rejected part or item at the unit price or other cost designated therefore by that Bidder on its submitted Contractor Bid Form. The successful Bidder so selected may not refuse to enter into a Contract with the Owner on the basis that the Owner awarded a Contract for less than all portions or items of the Work specified in the Bid Documents. The Vernon Hills Park District Board of Park Commissioners reserves the right to waive any technicalities or irregularities, and to disregard any informality on the bids and bidding, when in its opinion the best interest of the Park District will be served by such actions and in accordance with applicable law.

5. Surety

All bids must be accompanied by a bid bond or bank cashier's check payable to the Vernon Hills Park District for ten percent (10 %) of the amount of the bid and drawn on a responsive and responsible bank doing business in the United States. All bids not accompanied by a bid security, when required, will be rejected.

The bid security of all except the three (3) lowest responsive and responsible Bidders will be returned after the decision to accept or reject bids by the Vernon Hills Park District Board of Park Commissioners and staff. The bid security of the successful Bidder will be returned after acceptance by the owner of an acceptable contract between owner and bidder.

~~Prior to beginning Work, the successful Bidder shall furnish a Performance Bond, and Labor and Materials/Payment Bond in the amount of 110% of the Contract Sum, using a form similar to the AIA A312-2010 form, or its current equivalent, or one acceptable to Owner, cosigned by a surety company licensed to conduct business in the State of Illinois and with at least an "A" rating and a financial rating of at least "X" in the latest edition of the Best Insurance Guide. Said bond shall guarantee the faithful performance of the Work in accordance with the Contract, the payment of all indebtedness incurred for labor and materials, and guarantee correction of Work for a period of one (1) year after Final Completion. The cost of each bond shall be included in the Contract Sum. The Bidder and all Subcontractors shall name the Park District as an obligee on all bonds. Said bonds shall meet the requirements of the Illinois Public Construction Bond Act, 30 ILCS 550/0.01 et seq. and any further amendments thereto. Bidder shall include in its Performance Bond and Labor and Material Payment Bond such language as shall guarantee the faithful performance of the Prevailing Wage Act as required in these Bid Documents.~~

~~The Performance Bond and Labor and Material Payment Bond will become a part of the Contract. The failure of the successful Bidder to enter into the Contract and supply the required bonds and evidence of insurance within ten (10) days after the Contract is presented for signature, or within such extended period as the Park District may grant, shall constitute a default, and the Park District may either award the Contract to the next responsible Bidder, or re-advertise for bids. In the event of a default, the Owner need not return the defaulting Bidder's bid surety and may charge against the defaulting Bidder for the full difference between the amount for the bid and the amount for which a Contract for the Work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the defaulting Bidder's bid surety.~~

6. Withdrawal of Bid

Bidders may withdraw or cancel their bids at any time prior to the advertised bid opening time by signing and submitting a request for said withdrawal. After the bid opening time, no bid shall be withdrawn or canceled for a period of sixty (60) calendar days.

7. Award, Acceptance and Contract

Owner will award the Contract to the lowest most responsible and responsive Bidder, as determined by Owner. In considering the Bidder's responsibility, the Owner may evaluate, among other factors, the ability of the Bidder to provide experienced labor sufficient in numbers to timely and properly complete the services, conformity with the Specifications, serviceability, quality, and the financial capability of the Bidder, and the performance of the Bidder on other projects.

Bids will be awarded to one Bidder for the entire Project or to any series of Bidders for an appropriate proportion of the Project. If specified in the Bid Form, awards will be based upon the submitted unit prices.

The acceptance of a bid will be by a Notice of Award, signed by a duly authorized representative of the Park District; no other act by the Park District shall constitute the acceptance of a bid. The acceptance of a bid by the Park District shall bind the successful Bidder to execute and perform the Work of the Contract. The successful Bidder to whom the Contract is awarded by the Park District shall sign and deliver to the Park District for execution by the Park District all required copies of the Contract, along with all required insurance and surety documents within ten (10) days after presentation to him of the Contract for signature. In case the Bidder shall fail or neglect to do so, he will be considered as having abandoned the Contract, and as being in default to the Owner. The Owner may thereupon re-advertise or otherwise award said Contract and forfeits the Bid Security.

The Invitation to Bid, Instructions to Bidders, General Conditions, Supplementary and/or Special Conditions, if any, Drawings, Specifications, Contractor Bid Form, Addenda, if any, Contractors Compliance and Certifications Attachment, and Substance Abuse Certification and the Prevailing Wage Determination and Supersedes Notice comprise the Bid Documents. The Bid Documents, together with the Standard /Form of Agreement between Owner and Contractor AIA Document A101-2007, as modified by the Park District and included in these Bid Documents, and the Performance Bond and Labor Material Payment Bond and proof of insurance comprise the Contract Documents.

8. Interpretation of the Contract Documents

The Park District shall in all cases determine the amount or quantity of the several kinds of Work which are to be paid for under this Contract, and shall decide all questions which may arise relative to the execution of the Contract on the part of the Contractor, and all estimates and decisions shall be final and conclusive. The Park District shall have the right to make alterations in the lines, grades, plans, forms, or dimensions of the Work herein contemplated either before or after the commencement of the Work. If such alterations diminish the quantity of the Work to be done, they shall not constitute a claim for damage or for anticipated profits on the work dispensed with, or if they increase the amount of Work, such increase shall be paid according to the quantity actually done and at the price or prices stipulated for such Work in the Contract. The Park District reserves the right to approve, an equal to or superior to product or equipment required under the Specifications, or to reject as not being and equal to or superior to the product or equipment required under the Specifications. If the Bidder is in doubt as to the interpretation of any part of the Bid Documents, or finds errors, discrepancies or omissions from any part of the Contract Documents, he must submit a written request for interpretation thereof not later than five (5) days prior to opening of bids to the Park District. Address all communications to James Kim at the Park District. If an error or omission is discovered in the Bid Documents after the bid opening, the Park District reserves the right: i) to determine whether to require the submission of new bids; or ii)

if the error or omission is of such a nature that it was reasonably discoverable upon a careful review of the Bid Documents, to award the Contract to the lowest responsive and responsible Bidder as determined by the Park District and to require that Contractor to perform the Work in accordance with an issued correction by the Park District and/or Architect and for the amount bid by the Contractor. Such decisions are final and not subject to recourse. Errors and omissions made by the Bidder cannot be corrected after the bid opening.

9. Addenda

Any interpretation, correction to, or addition to the Bid Documents will be made by written Addendum and will be delivered by mail or fax to each prime Bidder of record. The written Addenda constitute the only interpretations of the Bid Documents; the Park District accepts no responsibility for any other claimed interpretations or communications.

It is the responsibility of each Bidder to verify that he has received all Addenda prior to submitting a bid. It is also the responsibility of each Bidder to verify that all subcontractors and material suppliers whose prices are incorporated in the Bidder's bid are familiar with the Bid Documents in their entirety, including all Addenda issued up to the time of bid opening.

In the event a conflict or omission is discovered in the Bid Documents after the issuing of the last Addendum such that an interpretation cannot be issued by the Park District prior to bidding, the Bidder is directed to estimate on and provide the quantity and quality of material and labor consistent with the overall represented and indicated Work so as to provide all materials, equipment, labor, and services necessary for the completion of the Work in accordance with the Bid Documents.

10. Substitutions during Bidding

Unless otherwise indicated, the use of brand names in the Specifications is used for the purpose of establishing a grade or quality. Bidders proposing to use an alternate that is equal to or superior to in every respect to that required by the Specifications must request approval in writing to the Park District at least seven (7) business days prior to the bid opening and mark the item as 'or approved equal'.

Additionally, Bidders requesting approval for use of an alternate must provide certification by the manufacturer that the substitute proposed is equal to or superior in every respect to that required by the Contract Documents, and that its in-place performance will be equal to or superior to the product or equipment specified in the application indicated. The Bidder, in submitting the request for substitution, waives the right to additional payment or an extension of Contract Time because of the failure of the substitute to perform as represented in the request for substitution.

The Park District may request additional information or documentation necessary for evaluation of the request for substitution. The Park District will notify all Bidders of acceptance of the proposed substitute by means of an Addendum to the Bid Documents. Park District's approval of a substitute during bidding does not relieve the Contractor of the responsibility to submit required shop drawings and to comply with all other requirements of the Contract Documents, including but not limited to proper performance of all components of the Work and suitability for the uses specified.

Bids proposing alternates not previously approved by the Park District will be considered non-responsive and rejected. The Park District reserves the right to determine whether a substituted selection, in its judgment, is equal to or better quality and therefore an acceptable alternate. Such decisions are final and not subject to recourse.

By: _____ (SEAL)
(Individual's Name)

doing business as _____

Business Address: _____

Phone Number: _____

A Partnership:

By: _____ (SEAL)
(Firm Name)

(General Partner)

Business Address: _____

Phone Number: _____

A Corporation:

By: _____ (SEAL)
(Corporation Name)

(State of Incorporation)

By: _____
(Name of Person Authorized to Sign)

Title: _____ Attest _____
(Secretary)

(CORPORATE SEAL)

Business Address: _____

Phone Number: _____

By submission of its bid, the Bidder acknowledges, agrees, represents, declares and warrants:

1. That it has visited and examined the site, and is fully familiar with and has satisfied itself as to the site and the local and other conditions under which the Work is to be performed, including without limitation, (i) surface conditions of the site and subsurface conditions readily observable or ascertainable upon the exercise of reasonable diligence and all structures and obstructions thereon and thereunder, both natural and manmade; (ii) the nature, location, and character of the general area in which the Project is located, including without limitation, its climatic conditions, available labor supply and labor costs, and available equipment supply and equipment costs; and (iii) the quality and quantity of all materials, supplies, tools, equipment, labor, and professional services necessary to complete the Work in the manner and within the cost and time frame indicated by the Contract Documents; and has correlated the Bidder's personal observations with the requirements of and matters indicated in or by the proposed Contract Documents;
2. To hold the bid open for sixty (60) days subsequent to the date of the bid opening;
3. To enter into and execute a Contract with the Owner within ten (10) days after the date of the Notice of Award, if awarded on the basis of this bid, and in connection therewith to:
 - (a) Furnish all bonds and insurance required by the Contract Documents;
 - (b) Accomplish the Work in accordance with the Contract Documents; and
 - (c) Complete the Work within the time requirements as set forth in the Contract Documents;
4. That the Bidder has carefully examined the Instructions to Bidders, the Drawings and Specifications, and the Project Manual in its entirety, in order to determine how these affect the bid proposal, the forms of the Contract, the required Contract bonds, and duration thereof, and that the Bidder has inspected in detail the site of the proposed Work, and been familiarized with all of the requirements of construction, and of the governing municipalities under whose jurisdiction the Project falls (its codes, ordinances and construction requirements therein), and understands that in making this proposal, the Bidder waives all rights to plead any misunderstanding regarding the same;
5. That if this proposal is accepted, the Bidder is to provide all of the necessary equipment, tools, apparatus, labor, and other means of construction, and to do all of the Work and to furnish all of the materials specified in the Contract Documents in the manner and at the time therein prescribed, and in accordance with the requirements set forth;
6. To furnish Bid Bond in accordance with the Instructions to Bidders;

7. ~~To furnish Performance/Labor and Material Payment Bond in accordance with the Instructions to Bidders;~~

8. To commence Work as specified in the Instructions to Bidders, and to prosecute the Work in such a manner, and with sufficient materials, equipment and labor as will ensure its completion within reasonable time, it being understood and agreed that the completion within such reasonable time is an essential part of this Contract;

9. To give the total base bid amount, the total add alternate and/or subtract alternate amounts (if requested) both in words and in figures. The total bid amount in each case shall be the sum of all of the total item amounts as applicable and as described above;

10. That he has checked carefully the bid figures and understands that he shall be responsible for any errors or omissions based on these Specifications and alternates as submitted on the Bid Proposal Form; and

11. That it is understood and agreed that the Vernon Hill Park District reserves the right to accept or reject any or all bids, or to combine or separate any section or work, and to waive any technicalities.

Submitted this ____ day of _____, 2019

Name: _____
By: _____
Signature _____
Title: _____

SUBSCRIBED AND SWORN TO before me

this _____ day of _____ 2019.

Notary Public

STATE OF ILLINOIS)
)
COUNTY OF _____)

CONTRACTOR COMPLIANCE AND CERTIFICATIONS ATTACHMENT

Note: The following certifications form an integral part of the Agreement between the Owner and Contractor. Breach by Contractor of any of the certifications may result in immediate termination of the Contractor's services by Owner.

THE UNDERSIGNED CONTRACTOR HEREBY ACKNOWLEDGES, CERTIFIES, AFFIRMS AND AGREES AS FOLLOWS:

- A. Contractor has carefully read and understands the contents, purpose and legal effect of this document as stated above and hereafter in this document. The certifications contained herein are true, complete and correct in all respects.

- B. Contractor shall abide by and comply with, and in contracts which it has with all persons providing any of the services or Work on this Project on its behalf shall require compliance with, all applicable Federal, State and local laws and rules and regulations including without limitation those relating to 1) fair employment practices, affirmative action and prohibiting discrimination in employment; 2) workers' compensation; 3) workplace safety; 4) wages and claims of laborers, mechanics and other workers, agents, or servants in any manner employed in connection with contracts involving public funds or the development or construction of public works, buildings or facilities; and 5) steel products procurement.

- C. All contracts for this Project are subject to the provisions of the Illinois Prevailing Wage Act (820 ILCS 130/0.01 *et seq.*), providing for the payment of the prevailing rate of wage to all laborers, workmen and mechanics engaged in the Work. Contractor shall pay prevailing rates of wages in accordance with the wage determination included with the Contract Documents and any subsequent determinations issued by the Illinois Department of Labor which shall supersede the determination included in the Contract Documents, all in accordance with applicable law. Contractor is responsible for determining the applicable prevailing wage rates at the time of bid submission and at the time of performance of the Work. Failure of Contractor to make such determination shall not relieve it of its obligations in accordance with the Contract Documents. Contractor shall also comply with all other requirements of the Act including without limitation those pertaining to inclusion of required language in subcontracts, job site posting, maintenance and submission of certified payroll records and inspection of records. Contractor is not barred from entering into public contracts under Section 11a of the Illinois Prevailing Wage Act due to its having been found to have disregarded its obligations under the Act.

- D. To the best of Contractor's knowledge, no officer or employee of Contractor has been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois,

or any unit of local government, nor has any officer or employee made an admission of guilt of such conduct which is a matter of record.

- E. Contractor is not barred from bidding on or entering into public contracts due to having been convicted of bid-rigging or bid rotating under paragraphs 33E-3 or 33E-4 of the Illinois Criminal Code. Contractor also certifies that no officers or employees of the Contractor have been so convicted and that Contractor is not the successor company or a new company created by the officers or owners of one so convicted. Contractor further certifies that any such conviction occurring after the date of this certification will be reported to the Owner, immediately in writing, if it occurs during the bidding process or otherwise prior to entering into the Contract therewith.
- F. Pursuant to the Illinois Human Rights Act (775 ILCS 5/2-105), Contractor has a written sexual harassment policy that includes, at a minimum, the following information: (i) a statement on the illegality of sexual harassment; (ii) the definition of sexual harassment under State law; (iii) a description of sexual harassment utilizing examples; (iv) the Contractor's internal complaint process including penalties; (v) the legal recourse, investigative and complaint process available through the Illinois Department of Human Rights and the Human Rights Commission and directions on how to contact both; and (vi) protection against retaliation as provided by Section 6-101 of the Illinois Human Rights Act. Contractor further certifies that such policy shall remain in full force and effect. A copy of the policy shall be provided to the Illinois Department of Human Rights upon request.
- G. Contractor shall abide by the "Employment of Illinois Workers on Public Works Act" (30 ILCS 570/0.01 *et seq.*) which stipulates that whenever there is a period of excessive unemployment in Illinois, defined as any month immediately following two (2) consecutive calendar months during which the level of unemployment in Illinois exceeds five percent (5%) as measured by the U.S. Bureau of Labor Statistics in its monthly publication of employment and unemployment figures, the Contractor shall employ only Illinois laborers unless otherwise exempted as so stated in the Act. ("Illinois laborer" means any person who has resided in Illinois for at least 30 days and intends to become or remain an Illinois resident). Other laborers may be used if Illinois laborers are not available or are incapable of performing the particular type of work involved if so certified by the Contractor and approved by the Owner.
- H. (i) Contractor's bid proposal was made without any connection or common interest in the profits anticipated to be derived from the Contract by Contractor with any other persons submitting any bid or proposal for the Contract; (ii) the Contract terms are in all respects fair and the Contract will be entered into by Contractor without collusion or fraud; (iii) no official, officer or employee of the Owner has any direct or indirect financial interest in Contractor's bid proposal or in Contractor, (iv) the Contractor has not directly or indirectly provided, and shall not directly or indirectly provide, funds or other consideration to any

person or entity (including, but not limited to, the Owner and the Owner's employees and agents), to procure improperly special or unusual treatment with respect to this Agreement or for the purpose of otherwise improperly influencing the relationship between the Owner and the Contractor. Additionally, the Contractor shall cause all of its officers, directors, employees, (as the case may be) to comply with the restrictions contained in the preceding sentence.

- I. Contractor knows and understands the Equal Employment Opportunity Clause administrated by the Illinois Department of Human Rights, which is incorporated herein by this reference, and agrees to comply with the provisions thereof. Contractor further certifies that Contractor is an "equal opportunity employer" as defined by Section 2000 (e) of Chapter 21, Title 42 of the United States Code Annotated and Executive Orders #11246 and #11375 as amended, which are incorporated herein by this reference.
- J. Neither Contractor nor any substantially owned affiliated company is participating or shall participate in an international boycott in violation of the provisions of the U.S. Export Administration Act of 1979 or the regulations of the U.S. Department of Commerce promulgated under that Act.
- K. Contractor is not barred from contracting with the Owner because of any delinquency in the payment of any tax administrated by the Illinois Department of Revenue, unless it is being contested. Contractor further certifies that it understands that making a false statement regarding delinquency in taxes is a Class A misdemeanor and, in addition, voids the Contract and allows the Owner, a municipal entity, to recover in a civil action all amounts paid to the Contractor.
- L. If Contractor has 25 or more employees at the time of letting of the Contract, Contractor knows, understands and acknowledges its obligations under the Illinois Drug Free Workplace Act (30 ILCS 580/1 *et seq.*) and certifies that it will provide a drug-free workplace by taking the actions required under, and otherwise implementing on a continuing basis, Section 3 of the Drug Free Workplace Act. Contractor further certifies that it has not been debarred and is not ineligible for award of this Contract as the result of a violation of the Illinois Drug Free Workplace Act.
- M. Contractor knows, understands and acknowledges its obligations under the Substance Abuse Prevention on Public Works Act, 820 ILCS 265/1 *et seq.* A true and complete copy of Contractor's Substance Abuse Prevention Program Certification is attached to and made a part of this Contractor Compliance and Certification Attachment.
- N. The Contractor shall comply with the requirements and provisions of the Freedom of Information Act (5 ILCS 140/1 *et. seq.*) and, upon request of the Vernon Hills Park District's designated Freedom of Information Act Officer (FOIA Officer), Contractor shall within two (2) business days of said request, turn over to the FOIA Officer any record in the possession of the Contractor that is deemed a public record under FOIA.

SUBSTANCE ABUSE PREVENTION PROGRAM CERTIFICATION

The Substance Abuse Prevention on Public Works Projects Act, 820 ILCS 265/1 et seq., (“Act”) prohibits any employee of the Contractor or any Subcontractor on a public works project to use, possess or be under the influence of a drug or alcohol, as those terms are defined in the Act, while performing work on the project. The Contractor/Subcontractor **[circle one]**, by its undersigned representative, hereby certifies and represents to the Vernon Hills Park District that **[Contractor/Subcontractor must complete either Part A or Part B below]:**

A. The Contractor/Subcontractor **[circle one]** has in place for all of its employees not covered by a collective bargaining agreement that deals with the subject of the Act a written substance abuse prevention program, a true and correct copy of which is attached to this certification, which meets or exceeds the requirements of the Substance Abuse Prevention on Public Works Act, 820 ILCS 265/1 et seq. **[Contractor/Subcontractor must attach a copy of its substance abuse prevention program to this Certification.]**

Name of Contractor/Subcontractor (print or type)

Name and Title of Authorized Representative (print or type)

_____ Dated: _____
Signature of Authorized Representative

B. The Contractor/Subcontractor **[circle one]** has one or more collective bargaining agreements in effect for all of its employees that deal with the subject matter of the Substance Abuse Prevention on Public Works Projects Act, 820 ILCS 265/1 et seq.

Name of Contractor/Subcontractor (print or type)

Name and Title of Authorized Representative (print or type)

_____ Dated: _____
Signature of Authorized Representative

IMPORTANT NOTICE OF RESPONSIBILITY FOR PERIODIC REVISIONS TO PREVAILING WAGE RATES

Revisions of the following Prevailing Wage Rates are made periodically by the Illinois Department of Labor website. Bidders and Contractors performing work on this Project are responsible for determining the applicable prevailing wage rates for LAKE COUNTY at the time of bid submission and performance of the Work. Failure of a Bidder/Contractor to make such determination shall not relieve it of its obligations in accordance with the Contract Documents. In consideration for the award to it of the Contract for this Project, the Contractor agrees that the foregoing notice satisfies any obligation of the public body in charge of this Project to notify the Contractor of periodic changes in the prevailing wage rates and the Contractor agrees to assume and be solely responsible for, as a material obligation of the Contractor under the Contract, the obligation to determine periodic revisions of the prevailing wage rates, to notify its subcontractors of such revisions, to post such revisions as required for the posting of wage rates under the Act, and to pay and require its subcontractors to pay wages in accordance with such revised rates.

Certified payroll is to be submitted with every pay request.

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION

The American Institute of Architects "AIA Document A201-2007 General Conditions of the Contract for Construction," 2007 Edition, as modified by Owner, and included in this Project Manual are the General Conditions.

SUPPLEMENTAL CONDITIONS

The "General Conditions of the Contract, AIA Document A201, 2007 Edition" (the "General Conditions"), as modified by Owner, are hereby amended to include the following:

I. Insurance and Indemnity Requirements

Contractor shall procure and maintain for the duration of the contract, insurance against claims for death, injuries to persons, or damages to property which may arise from or in connection with the performance of work hereunder by the Contractor, his agents, representatives, employees or subcontractors of the types and in the amounts listed below.

- A. Commercial General and Umbrella Liability Insurance.** Contractor shall maintain commercial general liability (CGL) and, if necessary, commercial umbrella insurance with a limit of not less than \$1,000,000 each occurrence. If such CGL insurance contains a general aggregate limit, it shall apply separately to this project/location. CGL insurance shall be written on Insurance Services Office (ISO) occurrence form CG 00 01, or a substitute form providing equivalent coverage, and shall cover liability arising from premises, operations, independent contractors, products-completed operations, personal injury and advertising injury, and liability assumed under an insured contract (including the tort liability of another assumed in a business contract). Owner shall be included as an insured under the CGL, using ISO additional insured endorsement CG 20 10 or a substitute providing equivalent coverage, and under the commercial umbrella, if any. This insurance shall apply as primary insurance with respect to any other insurance or self-insurance afforded to Owner and Architect. There shall be no endorsement or modification of the CGL limiting the scope of coverage for liability arising from pollution, explosion, collapse, or underground property damage.
- B. Continuing Completed Operations Liability Insurance.** Contractor shall maintain commercial general liability (CGL) and, if necessary, commercial umbrella liability insurance with a limit of not less than \$1,000,000 each occurrence for at least three years following substantial completion of the work. Continuing CGL insurance shall be written on ISO occurrence form CG 00 01, or substitute form providing equivalent coverage, and shall, at minimum, cover liability arising from products-completed operations and liability assumed under an insured contract. Continuing CGL insurance shall have a products-completed operations aggregate of at least two times its each occurrence limit.

Continuing commercial umbrella coverage, if any, shall include liability coverage for damage to the insured's completed work equivalent to that provided under ISO form CG 00 01.

- C. Business Auto and Umbrella Liability Insurance.** Contractor shall maintain business auto liability and, if necessary, commercial umbrella liability insurance with a limit of not less than \$1,000,000 each accident. Such insurance shall cover liability arising out of any auto including owned, hired and non-owned autos. Business auto insurance shall be written on Insurance Services Office (ISO) form CA 00 0 1, CA 00 05, CA 00 12, or a substitute form providing equivalent liability coverage equivalent to that provided in the 1990 and later editions of CA 00 01.
- D. Workers Compensation Insurance. Contractor shall maintain workers compensation as required by statute and employers liability insurance. The commercial umbrella and/or employers liability limits shall not be less than \$1,000,000 each accident for bodily injury by accident or \$1,000,000 each employee for bodily injury by disease. If Owner has not been included as an insured under the CGL using ISO additional insured endorsement CG 20 10 under the Commercial General and Umbrella Liability Insurance required in this Contract, the Contractor waives all rights against Owner and its officers, officials, employees, volunteers and agents for recovery of damages arising out of or incident to the Contractors work.**
- E. General Insurance Provisions.**
- 1.** Evidence of Insurance prior to beginning Work, Contractor shall furnish Owner with a certificate of insurance and applicable policy endorsements, executed by a duly authorized representative of each insurer, showing compliance with the insurance requirements set forth above. All certificates shall provide for 30 days written notice to Owner prior to the cancellation or material change of insurance referred to therein. Written notice to Owner shall be by certified mail, return receipt requested. Failure of Owner to demand such certificate, endorsement or other evidence of full compliance with these insurance requirements or failure of Owner to identify a deficiency from evidence that is provided shall not be construed as a waiver of Contractor's obligation to maintain such insurance. Owner shall have the right, but not the obligation, of prohibiting Contractor or any subcontractor from entering the project site until such certificates or other evidence that insurance has been placed in complete compliance with these requirements is received and approved by Owner. Failure to maintain the required insurance may result in termination of this Contract at Owner's option. With respect to insurance maintained after final payment in compliance with a requirement above, an additional certificate shall provide certified copies all insurance policies required above within 10 days of Owner's written request for said copies.
 - 2. Acceptability of Insurers.** For insurance companies which obtain a rating from A.M. Best, that rating should be no less than A VII using the most recent edition of the A.M. Bests Key Rating Guide. If the Bests rating is less than A VII or a Best's rating is not

obtained, the Owner has the right to reject insurance written by an insurer it deems unacceptable.

3. Cross-Liability Coverage. If Contractor's liability policies do not contain the standard ISO separation of insureds provision, or a substantially similar clause, they shall be endorsed to provide cross-liability coverage.

4. Deductibles and Self-Insured Retentions. Any deductibles or self-insured retentions must be declared to the Owner. At the option of the Owner, the Contractor may be asked to eliminate such deductibles or self-insured retentions as respects the Owner, its officers, officials, employees, volunteers and agents or required to procure a bond guaranteeing payment of losses and other related costs including but not limited to investigations, claim administration and defense expenses.

5. Subcontractors. Contractor shall cause each subcontractor employed by Contractor to purchase and maintain insurance of the type specified above. When requested by the Owner, Contractor shall furnish copies of certificates of insurance evidencing coverage for each subcontractor.

F. Indemnification

To the fullest extent permitted by law, the Contractor shall waive all right of contribution and shall indemnify and hold harmless the Owner and its officers, officials, employees, volunteers and agents from and against all claims, damages, losses and expenses, including but not limited to legal fees (attorney's and paralegals fees and court costs), arising out of or resulting from the performance of the Contractor's work, provided that any such claim, damage, loss or expense (i) is attributable to bodily injury, sickness, disease or death, or injury to or destruction of tangible property, other than the work itself, including the loss of use resulting therefrom and (ii) is caused in whole or in part by any wrongful or negligent act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any party or person described in this Paragraph. Contractor shall similarly protect, indemnify and hold and save harmless the Owner, its officers, officials, employees, volunteers and agents against and from any and all claims, costs, causes, actions and expenses including but not limited to legal fees, incurred by reason of Contractor's breach of any of its obligations under, or Contractor's default of, any provision of the Contract.

II. Progress Schedule, Meetings and Reports

- The Contractor will be required to provide a schedule within ten (10) calendar days of receipt of the executed Contract, outlining the necessary steps to meet the Completion Dates listed in the Specifications. All critical dates must be shown on the construction schedule. This

schedule will also be required to describe the construction sequence that will be followed for the implementation of the improvements contained within this set of Contract Documents.

- Progress meetings with Contractor will be held regularly with Owner, unless both the Owner and Contractor modify the schedule. The Contractor is required to send representatives who can commit the Contractor to a decision at the meetings.

III. Execution, Correlation, Intent and Interpretations

- Figured dimensions and marked data shall take precedence over scale measurements, and details shall take precedence over smaller scale general Drawings. Discrepancies or ambiguities found in Drawings or Specifications shall at once be reported to the Owner for clarification.
- If Work is required in a manner to make it impossible to produce first-class work, or should discrepancies appear among Contract Documents, or if the Contractor has any questions regarding the meaning of Contract Documents, the Contractor must request the Owner's interpretation and clarification before proceeding with Work. If the Contractor fails to make such request, no excuse will thereafter be entertained for failure to carry out the Work in a satisfactory manner. Should any conflict occur in or between Drawings and Specifications, the Contractor is deemed to have estimated on, and agreed to provide the greater quantity or better quality of materials and Work unless he shall have, before submission of proposal, asked for and obtained written decision of the Owner as to which method or materials will be required.
- Wherever any provision of the Specifications conflict with any agreements or regulations of any kind at any time in force among members of any trade associations, unions or councils, which regular or distinguish what work shall not be included in the work of any particular trade, the Contractor shall make all necessary arrangements to reconcile any such conflict without delay, damage or cost to the Owner and without recourse to the Owner. In case the progress of the Work is affected by any undue delay in furnishing or installing any items of material or equipment required under the Contract because of a conflict involving any such agreement or regulation, the Architect/Owner may require that other material or equipment of equal kind or quality be provided at no additional cost to the Owner.
- The obligations of the Contractor shall be construed to include, but not be limited to, injury or damage consequent upon failure to use or misuse of the Contractor, his agents and employees, of any scaffold, hoist, crane, stay, ladder, support or other mechanical contrivance erected or constructed by any person; or any or all other kinds of equipment whether or not owned or furnish by the Owner.

IV. Sub-contractors

- Proper and complete execution of all Work shall be the responsibility of the Contractor and should he properly subcontract certain parts of the Work, the Owner will hold the Contractor responsible for proper and complete execution thereof. If the Contractor elects to enter into subcontracts for any section of the Work, he shall assume all responsibility of ascertaining that the sub-Contractor for the Work is thoroughly acquainted with all conditions of Work and that the sub-Contractor has included all materials and appurtenances in connection therewith. It shall also be the responsibility of the Contractor to notify sub-Contractors at time of request for bids of all requirements of the Contract Documents that he, the Contractor, intends to include as part of subcontract.
- The Contractor shall not subcontract any Work without prior written approval of the Owner, which approval will not be given until the Contractor submits to the Owner a written statement concerning the proposed subcontract, which statement shall contain such information as the Owner may require.
- The Contractor shall submit with his bid, the names of sub-Contractors for other parts of the Work. The Contractor shall not employ any sub-Contractor that the Owner may, within a reasonable time, object to as incompetent or unfit.
- The Contractor shall be as fully responsible to the Owner for the acts and omissions of his sub-Contractors, and of persons either directly or indirectly employed by them, as he is for his acts and the acts and omissions of persons directly employed by him.
- The Contractor shall cause the appropriate provisions to be inserted in all subcontracts relative to the Work to bind sub-Contractors to the Contractor by the terms of the Contract Documents, and to require sub-Contractors to comply with the Contract Documents, and to give the Contractor the same power as regards terminating any subcontract that the Owner may exercise over the Contractor under any provision of the Contract Documents.
- Nothing contained in the Contract shall create any contractual relation between any sub-Contractor and the Owner.
- Contractor shall cause each sub-Contractor employed by Contractor to purchase and maintain insurance of the type specified above. When requested by the Owner, Contractor shall furnish copies of certificates of insurance evidencing coverage for each sub-Contractor.

V. Uncovering and Correction of Work

- Contractor's duty to correct Work shall not be limited to a period of one (1) year from the date of completion if the defect was of a latent nature or occurred in materials or workmanship covered by Contractor before Owner was able to inspect same contrary to the requirements of the Contract Documents, or as otherwise specified by the Contract Documents. All correction of unacceptable work shall be made before final payment is made.

VI. Miscellaneous Provisions

- Protection of Work and Property - The Contractor shall continuously maintain adequate protection of all the Work from damage and shall protect the Owner's property from injury or loss arising in connection with this Contract.
- Contractor shall comply with all federal, state and local laws, rules and regulations applicable to the work, all Village of Vernon Hills' building codes, and all laws and regulations pertaining to occupational and work safety and disposal of landscape waste and construction debris.
- Access to Work - The Owner and his representatives shall at all times have access to the Work whenever it is in preparation or progress.
- Clean Up - The Contractor shall at all times keep the Work site free from accumulation of waste materials or rubbish caused by his employees or work and, at the daily completion of the Work, he shall remove all waste materials/rubbish from the worksite.

VII. Payments and Completion

- Partial progress payments may be made, as the Work progresses, once each calendar month, based on receipt of an itemized invoice/application for payment and partial/final lien waivers for the amount shown on the invoice and otherwise in accordance with the Contract Documents.
- In making such partial payments, there shall be retained 10 percent (10%) of the estimated amount until Final Completion and acceptance of all Work covered by the Contract Documents.
- All pay requests are subject to board approval. Pay requests must be submitted by 9am on the following Monday's: 5/13, 6/17,7/15 to be approved at that month's board meeting. Checks will be released the day after the board meeting if approved.
- Upon completion of the Work, the Contractor shall submit to the Owner an itemized application for payment, supported by Final Lien Waivers/Release of Lien from sub-Contractors and suppliers and any other documents as required by the Contract Documents.

- The Owner may withhold or nullify all or part of any payment to such an extent as may be necessary to protect the Owner from loss on account of defective Work not remedied, claims filed or reasonable evidence indicating probable filing of claims, failure of Contractor to make payments to sub-Contractors or for material or labor, or for any other reason as specified in the Contract Documents.

Scope of Work – Synthetic Turf Safety Surface

The Vernon Hills Park District is seeking proposal for acquiring and accurate installation of Synthetic Turf Safety Surfacing at the D73 Kindergarten playground for 2020. Expected start date is **May 18, 2020**.

Notes

- Owner to provide dumpster/waste removal service. Contractor to clean site every day.
- Prevailing Wage rates for 2020 in Lake County Illinois.
- Playground equipment will be install by others.
- Playground equipment installation contractor is responsible for maintaining grade and subgrade surface conditions for synthetic turf installation.
- Top of grade is concrete sidewalk and curbs
- See Playground Area dimensional overview.
- See Specifications for product information.
- Surface preparation for synthetic turf install.
 - Entire site has been graded with 4-5" of CA-6 stone and ½" CA22 Limestone screening
 - Entire site has compacted subgrade with an underdrain to storm sewers
 - Area A has been prepared with stone and screening to 1 ¼ - 1 ¾ inches below top of grade
 - Area B has been prepared with stone and screening to 3 ½ - 3 ¾ inches below top of grade
 - Conditions of the grade may have deteriorated or alter since completion in summer of 2019. Please submit any change orders regarding proper preparation for review.

Work

- Furnish and install nailer board to perimeter
 - Area A: 96 linear ft.
 - Area B: 300 linear ft.
 - Use 2x4 pressure treated lumber
 - Use triple coated 1" construction lag screws every 4-5 inches secured to concrete
 - Nailer board is to be installed ½" recessed down from top of grade
- Furnish and install synthetic turf listed in specifications
 - Area A: 1,553 sq. ft. TURF ONLY
 - Area B: 4,387 sq. ft. Safety Pad and Turf
 - Safety pad that meets a 10' fall height
- Provide attenuating safety surfacing testing as per ASTM F 1292 and reports to follow when complete installation has occurred.

Specifications – Synthetic Turf Safety Surface

Supplier name Perfect Turf LLC
Product name PerfectPlay® Playground System

This document provides the specifications for a Synthetic Grass Playground Safety Surface System composed of a tufted polyethylene grass fiber component with a polyethylene and polyester thatch layer installed over a porous 100% recycled polypropylene playground pad, or poured rubber buffings layer, and stone base drainage system.

There are variations in the final specifications as required by the Client.

PART 1 – GENERAL

1.1) Summary - Work Included

Provide all labor, materials, equipment, and tools necessary for the complete installation of a synthetic grass playground safety surface system as outlined in these specifications. The vertical draining impact attenuating layer shall be suitable to meet safety standards for the fall height of the intended equipment. The stone base, nail board and drainage system may be provided separately by the owner or an approved contractor. The system shall consist of, but not necessarily be limited to, the following:

- a) A complete synthetic grass system, consisting of a synthetic grass with a pile height of at least 1 3/8 inches long and not to exceed 1 5/8 inches long, 100% monofilament polyethylene fibers and polyethylene/polyester thatch layer, tufted on a 3/8" tufting machine with a minimum face weight of 80 ounces of yarn per square yard. The fibers shall include anti-static yarns, anti-bacterial additives and "cool grass" reflective pigments to reduce the surface temperature. Synthetic turf products utilizing nylon blades or nylon thatch layers will not be acceptable. The system should be infilled with between 1.5 to 2.0 pounds per square foot of green acrylic coated sand (commonly known as EnviroFill®) or T° Cool antimicrobial turf cooling infill or a combination thereof as accepted by the managing architect. Systems utilizing granular rubber products made of recycled tires infilled in the grass blades will not be acceptable. The system shall include a single, dimensionally stable, two-component primary backing and have a minimum of 20 ounces of secondary polyurethane backing per square yard. The finished product shall also include perforations in a 2" by 4" pattern to ensure excellent surface drainage.

1.2) Qualifications, References and Submittals

Prospective bidders and/or installers of the turf shall be required to comply with the following:

- a) The turf manufacturer must be experienced in the manufacture of synthetic grass playground systems with antistatic, antibacterial, cool grass technology yarns and provide references of five (5) municipal or commercial playground installations in the last three (3) years.
- b) The turf installer must provide competent workmen skilled in this specific type of synthetic grass installation. The designated supervisory personnel on the project must be competent in the installation of this material, including gluing of seams.
- c) The turf installer will provide submittals of turf, shock pad, glue and seam materials as detailed in the submittals section of the specifications. These details should include the following ASTM test method for the complete system.

ASTM F1292-17a, Standard Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment

ASTM F1951-14: Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment

- d) Submit one 12” by 12” sample of the synthetic turf and the underlayment padding to be installed. A submission of at least one pound of the infill material to be used is also required.
- e) Submit manufacturer’s certification that the products and materials comply with the requirements of these specifications. Submit test results showing compliance with the reference standards as listed in the specifications.
- f) Documentation: Submit warranty and ensure that forms have been completed in Owner's name and registered with approved manufacturer. The installer of the infill turf system must accept the aggregate base as completed to standards prior to installation of the synthetic turf system.

PART 2 - SYNTHETIC GRASS MATERIALS

2.1 Manufacturers

Approved synthetic turf products are:

PerfectPlay® Playground Safety Surface

Manufactured by Perfect Turf LLC, Rolling Meadows, IL 60008

Contact: 888-SYN-TURF (888-796-8873)

The PerfectPlay® System consist of:

- a. Perfect Turf® PlayGround Turf 80™ and Perfect Turf PlayGround Turf Colors (see addendum for specification pages)
- b. Perfect Turf® Playground Padding (manufactured by Schmitz Foam) or Perfect Turf Unitary Base as manufactured by Pro-Techs Surfacing or approved poured in place rubber manufacturer

Or approved equivalent upon approval from the principal architect.

The synthetic turf material shall be in accordance with the following:

- a) The long fiber shall be a minimum 12,000 denier, minimum 240 micron thickness, 100% true monofilament polyethylene, low friction fiber, measuring not less than 1-3/8 inches high and not more than 1 5/8 inches high. The thatch fiber shall be a minimum 4,000 denier, minimum 140 micron thickness, 100% polyethylene and polyester fiber. These material specifications will be confirmed by providing the following independent lab testing:
 - a. ASTM D1577 Standard Test Method for Linear Density of Yarn by the Short Method (Denier)
 - b. ASTM D3218 Standard Specification of Polyolefin Monofilaments (Ribbon Thickness & Width)
 - c. ASTM D5823 Standard Test Method for Tuft Height of Pile Yarn Floorcoverings
- b) The polyester in the thatch zone fiber is required for anti-static properties. The silver-oxide based antimicrobial additives in the yarn are designed to keep the surface more sanitary for children. The “cool grass” reflective pigments in the yarn are designed to keep the turf cooler to the touch. Any synthetic turf without these properties built into the yarn will not be acceptable. Infills and/or sprays designed to provide these properties will not be acceptable.
- c) The PlayGround Turf 80™ fiber shall be a two-tone grass blade, green in color with a tan/green thatch fiber to simulate natural grass as closely as possible and treated with UV inhibitor, guaranteed for a minimum of ten years. The PlayGround Turf 80 Colors will be either all yellow, all red, all white or all blue, meaning the long blades and the thatch blades are all the same color.
- d) The tufted fiber weight (aka faceweight) shall not be less than 80 ounces per square yard. The fiber shall be tufted on a 3/8" tufting machine. The low friction non-abrasive fiber shall be 100% monofilament polyethylene, treated with a UV inhibitor. These material specifications will be confirmed by independent lab testing:
 - a. ASTM D5848-10e1 Standard Test Method for Mass Per Unit Area of Pile Yarn Floorcoverings

- e) The primary backing shall consist of a two-part polypropylene primary backing. The secondary backing shall consist of an application of a minimum of 20 ounces of coating per square yard heat activated to permanently lock fiber tufts in place. The total backing weight shall not be less than 26 ounces. The synthetic grass system shall be perforated at a minimum of 2" by 4" on center to provide for excellent drainage. Non-perforated systems shall not be acceptable alternates for purposes of this specification. The turf shall have a minimum drainage rate of 250 inches per hour. These material specifications will be confirmed by independent lab testing:
 - a. ASTM F1551 Standard Test Methods for Comprehensive Characterization of Synthetic Turf Playing Surfaces and Materials
- f) The carpet rolls shall be of sufficient length to go from side to side of the play area. Full head seams will not be acceptable unless as required to cut around equipment posts.
- g) The shock attenuation pad shall be a 100% recycled, post industrial cross linked, closed cell polyethylene-polyolefin foam material. The pad should allow for vertical and horizontal drainage. The pad should come with a 25-year manufacturer's warranty.
- h) The alternate shock attenuation layer of unitary rubber buffings should be either EPDM, SBR or a combination mixed with aromatic or aliphatic urethane binder.
- i) The non-rubber infill shall be an acrylic polymer coated sand, commonly known as Envirofill or T° Cool antimicrobial turf cooling infill. No other infills will be accepted without prior written approval by the architect and/or owner.

PART 3 – EXECUTION AND INSTALLATION

The turf installer shall strictly adhere to the installation procedures outlined under these sections. Any variance from these requirements shall be accepted in writing by the manufacturer's representative, and submitted to the architect/owner, verifying that the changes do not in any way affect the warranty.

- a) The turf installer will accept the stone base substrate prior to the installation of the synthetic turf system.
- b) Extreme care should be taken to avoid disturbing the substrate in regard to planarity.
- c) Playground pad shall be laid out and cut around the playground equipment so as not to leave gaps greater than ¼" between the post and the pad. [Alternate poured

rubber base layer should be poured to touch the equipment poles with no gaps between the posts and the rubber.]

- d) The full width rolls of synthetic grass shall be laid out across the area, utilizing standard state-of-the-art gluing procedures each roll shall be seamed to the next.
- e) This is a 100% glued installation. Sewing of seams will not be permitted. The seaming tape and glue shall be intended for installation of outdoor synthetic turf surfaces. The adhesive must be a polyurethane-based adhesive, latex-based adhesives are not acceptable.
- f) The synthetic turf will be fastened to perimeter nail boards with triple coated 1" construction lag screws every 4"-5" around the perimeter.
- g) The play area will be infilled with 1.5 - 2 pounds per square foot of rounded Envirofill infill (or alternative infill as specified by the architect and/or owner) and brushed with a motorized rotary nylon broom to stand up the fibers and allow the infill to settle to the bottom of the turf upon completion of the installation.

PART 4 –MAINTENANCE AND WARRANTY

The bidder and/or the turf manufacturer must provide the following:

- a) The turf manufacturer shall provide a warranty to the owner that covers defects in materials and workmanship of the turf for a period of at least 10 years from the date of Substantial Completion. A ten (10) year "UV stabilization" warranty shall be included in the warranty.
- b) The manufacturer's warranty shall include damage caused from UV degradation. The warranty shall specifically exclude vandalism, acts of War and acts of God beyond the control of the owner, installer, general contractor or the manufacturer.
- c) The bidder shall provide a warranty to the owner that covers defects in the installation workmanship for a period of at least 2 years, and further warrant the installation was done in accordance with the manufacturer's recommendations.
- d) All turf warranties shall be limited to repair or replacement of the affected areas and shall include all necessary materials, labor, transportation costs, and other associated costs to complete said repairs. All warranties are contingent on the full payment by the owner of all pertinent invoices.
- e) The turf installer and/or manufacturer's rep will provide on-site maintenance training upon substantial completion of the project. Optional maintenance equipment will be demonstrated and discussed at that time.