



TETRA TECH

240 Continental Drive, Suite 200
Newark, Delaware 19713
Tel. (302) 738-7551
Fax (302) 454-5989/5988

Addendum 1

Cape Henlopen School District
Lewes, Delaware

Bid No.: CHSD181001 Track CHHS-TT

Cape Henlopen School District – Cape Henlopen High School – Track Replacement

Tt Project No. 200-81485-18001

Addendum No. 1
to
Drawings and Project Manual

May 3, 2018

REMINDER: Bids are due 3:00pm local time on Tuesday, May 15, 2018 at the 1270 Kings Highway, Lewes, DE 19958.

To: ALL BIDDERS

This ADDENDUM forms a part of the BIDDING AND CONTRACT DOCUMENTS and modifies the following documents:

Original DRAWINGS dated April 17, 2018

PROJECT MANUAL dated April 17, 2018.

Acknowledge receipt of the ADDENDUM in the space provided on the FORM OF PROPOSAL

This ADDENDUM consists of three (3) pages not including the attachments:

1.0 PROJECT MANUAL – MODIFICATIONS

1.1 Section 00 41 13 BID FORM

REPLACE Specification Section in its entirety with revised Bid Form attached to this addendum.

1.2 Section 01 22 00 UNIT PRICE

ADD Specification Section in its entirety. See attachment.

1.3 Section 32 18 23.39 RUNNING TRACK SURFACING

REPLACE Specification Section in its entirety. See attachment.

2.0 DRAWINGS – MODIFICATIONS

2.1 Sheet A-100 TRACK REPLACEMENT SITE PLAN

Add KEYNOTE “03” to other long jump sand pit. Total of two (2) ready fit aluminum sand pit covers to be provided.

3.0 PRE-BID MEETING NOTES:

- 3.1 Attendance to Pre-Bid Meeting is NOT a prerequisite for bidding on this contract.
- 3.2 Contract Documents may be obtained at the office of Tetra Tech, 240 Continental Drive, Newark, DE 19713 upon receipt of \$50.00 per set/non-refundable. Checks are to be made payable to “Tetra Tech”.
- 3.3 Wage Rates and Payroll Reporting: Contractors shall comply with all requirements of the State of Delaware regarding prevailing wage rates and payroll reporting shall be reported to Delaware Department of Labor.
- 3.4 All discrepancies, questions or requests for clarifications or interpretations must be submitted to the Architects office at least seven (7) days prior to bid due date. Submit emails to Michael Berninger’s attention at Michael.berninger@tetratech.com. Last day for questions will be Tuesday May 8, 2018 by 5:00 pm.
- 3.5 Timely execution of this project is a critical element of the Work. Working dates are June 24, 2018 to August 18, 2018. Normal working hours are between 7:00 a.m. to 8:00 p.m., excluding Sundays and major holidays.
- 3.6 Submission of a 10% secured bid deposit in the form of a Bid Bond, of total amount of the Base Bid plus all additive alternates is required with bids.
- 3.7 Bid Form “Affidavit of Employee Drug Testing Program” must be submitted with bids from Prime Contractors.
- 3.8 Contact Lenny Richardson to schedule walkthrough at 302-228-2530.

4.0 REQUEST FOR CLARIFICATION/INFORMATION

Abacus Sports Installations Ltd.

Question: Substitution request for Running Track Surfacing. Proposed substitution is Regupol AG Running Track System in lieu of listed products in Specification Section 32 18 23.139, Article/Paragraph D.g.3. Products.

Answer: Not Approved. Regupol AG Running Track System’s base mat is a premanufactured product that comes in rolls and is installed with an adhesive, rather than the specified poured-in-place system. Additionally, the wear layer is a 3mm system component versus the 4 mm wear coat specified.

ATT Sports, Inc.

Question: Substitution request for Running Track Surfacing. Proposed substitution is Surtan BV in lieu of listed products in Specification Section 32 18 23.39, Article/Paragraph D.g.3. Products.

Answer: Approved. See Item 1.3 in PROJECT MANUAL – MODIFICATIONS.

ICP Construction

Question: Substitution request for Running Track Surfacing. Proposed substitution is Plexitrac Accelerator system by California Sports Surfaces in lieu of listed products in Specification Section 32 18 23.139, Article/Paragraph D.g.3. Products.

Answer: Not Approved. Plexitrac Accelerator is not a polyurethane system. Per the “cost analysis” chart, Plexitrac Accelerator is less initial cost with recommendation to full replacement after 12-15 years. The client prefers a system with longer life span. There is no Plexitrac Accelerator installations in the area so client does not want to be the first. ICP is not listed as a contractor for Plexitrac Accelerator installer list.

Precision Sports Surfaces, Inc.

Question: Who installed the current surface?

Answer: Unknown.

Question: Will they consider a 10mm full pour option?

Answer: No.

ATTACHMENT LIST

Pre-bid Meeting Sign-In Sheet
Register of Bid Documents
Specification Section 00 41 13 BID FORM
Specification Section 01 22 00 UNIT PRICES
Specification Section 32 18 23.39 RUNNING TRACK SURFACING

END OF ADDENDUM No. 1



PREBID MEETING SIGN-IN SHEET

CAPE HENLOPEN SCHOOL DISTRICT
HIGH SCHOOL TRACK REPLACEMENT

Tt PROJECT NO.: 200-81485-18001

DATE: April 17, 2018

	<u>Name</u>	<u>Company</u>	<u>Physical Address</u>	<u>Telephone</u>	<u>Fax</u>	<u>e-mail</u>
1	DENNIS D'DONNELL	AMERICAN TRACK TURF	2050 RT. 70	609-859-1414		D'DONNELL@TRACKANDTURF.COM
2	↓		VINCENTOWN NJ	609-500-6119		
3	Quinn Burgess	American Tennis	4051 Old Point Rd	410 371 3320	410-477-4339	QAB@AmericanTennisCourseInc.com
4	DREW BEYNON	BEYNON SPORTS	16 ALT RD. HUNT VALLEY MD	410 771 9473		dbeynon@beynonsports.com
5	Derren Anderson	ATT Sports, Inc	115 B Cross Keys Road	856-767-3088	856-767-3422	danderson@attsports.com
6	TOM CERKINE	KENT CONST	SMYRNA DE 2 BIRCH RD	302-650-6469		thomas@kentconstructionco.com
7						
8						
9						
10						
11						
12						
13						

**High School Track Replacement
Cape Henlopen School District**

200-81485-18001

Bids Due: **3:00 p.m., May 15, 2018 at**
Cape Henlopen School District
1270 Kings Highway
Lewes, DE 19958

**REGISTER OF BID DOCUMENTS
PLEASE PRINT CLEARLY**

\$ 50.00 per set

#04	<p>Name of Company: <u>KENT CONSTRUCTION</u></p> <p>Physical Address: <u>2 BIG OAK TND</u> City, State: <u>SMYRNA DE 19977</u></p> <p>Contact: <u>TOM CERWE</u> GC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/></p> <p>Phone: <u>302-653-6469</u></p> <p>Fax: _____ Date: <u>4-17-18</u></p> <p>E-Mail: <u>thomas@kentconstructionco.com</u></p>
#05	<p>Name of Company: <u>Precision Sports Services, Inc.</u></p> <p>Physical Address: <u>3325 Lobban Place, Ivy Industrial Park</u> City, State: <u>Charlottesville, VA 22903</u></p> <p>Contact: <u>Valerie Williams</u> GC: YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p>Phone: <u>434-971-9628</u></p> <p>Fax: _____ Date: <u>4/19/18</u></p> <p>E-Mail: <u>valeriewilliams@precisionsurfaces.com</u></p>
#06	<p>Name of Company: <u>ATT Sports, Inc.</u></p> <p>Physical Address: <u>Po Box 370</u> City, State: <u>Morristown, NJ 08057</u></p> <p>Contact: <u>Ann Marie Thomas</u> GC: YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p>Phone: _____</p> <p>Fax: _____ Date: <u>4/19/18</u></p> <p>E-Mail: <u>amthomas@attsports.com</u></p>

**TRACK REPLACEMENT
AT THE
CAPE HENLOPEN HIGH SCHOOL
1250 KINGS HIGHWAY
LEWES, DE 19958**

BID FORM

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for thirty (30) days from the date of opening of bids (60 days for School Districts and Department of Education), and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid.

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within _____calendar days of the Notice to Proceed.

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

- Sub-Contractor List
- Non-Collusion Statement
- Affidavit of Employee Drug Testing Program
- Bid Security
- (Others as Required by Project Manuals)

**TRACK REPLACEMENT
AT THE
CAPE HENLOPEN HIGH SCHOOL
1250 KINGS HIGHWAY
LEWES, DE 19958**

BID FORM

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor **must be listed for each category** where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the *Owner*, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.** This form must be filled out completely with no additions or deletions.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID # or Delaware Business license #</u>
1. Track Installer	_____	_____	_____

BID FORM
NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date (*to the Office of Management and Budget, Division of Facilities Management*).

All the terms and conditions have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE (TYPED): _____

AUTHORIZED REPRESENTATIVE (SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____ . NOTARY PUBLIC _____ .

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM**

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

**TRACK REPLACEMENT
AT THE
CAPE HENLOPEN HIGH SCHOOL
1250 KINGS HIGHWAY
LEWES, DE 19958**

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

SECTION 01 22 00

UNIT PRICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for unit prices.
- B. Related Requirements:
 - 1. Section 01 25 00 "Contract Modification Procedures" for procedures for submitting and handling Change Orders.

1.3 DEFINITIONS

- A. Unit price is a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.4 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- D. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

A. Unit Price No. 1: Asphalt Substrate Replacement

1. Description: Remove unsatisfactory asphalt substrate and replace with new 5" thick minimum asphalt substrate per Running Track Surface manufacturer's requirements.
2. Unit of Measurement: Square Yard.

END OF SECTION

SECTION 32 18 23.39
RUNNING TRACK SURFACING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Resilient running track surface.
 - 2. Running track marking and line striping.
 - 3. Running track channel drain.

1.3 SUBMITTALS, GENERAL

- A. General: Submit all action submittals (except Samples for Verification) and informational submittals required by this Section concurrently.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated. Include material descriptions, composition and specific system information.
 - 1. Resilient running track surface.
 - 2. Affidavit attesting the resilient running track surfacing material to be installed meets the requirements defined by the manufacturers currently published specifications and any modifications outlined in those technical specifications.
 - 3. Certified Test results for surface specified.
 - 4. IAAF certificate for surface specified.
- B. Shop Drawings: Drawing showing track dimensions, lines and markings. Prepared by or under the supervision of a qualified State licensed surveyor or professional engineer.
 - 1. Provide metric track dimensions and markings conforming to rules of National Federation of State High School Associations.
- C. Samples for Verification: For each type of running track surface system indicated.
 - 1. Minimum 4 inch-by-6 inch sample of resilient running track surface.
- D. Warranty: Sample of warranty.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified Resilient Running Track Surfacing Installer, including ASBA certification, including list of completed facilities, minimum of 10 which are certified to meet IAAF/NCAA rules & regulations, utilizing the same product as specified.
- B. Qualification Data: Manufacturer proof of required IAAF Certified Track System installations, as indicated in the Quality Assurance section of this specification.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For running track surface system to include in maintenance manuals.
- B. Record Drawings: Identifying and accurately showing track layout, lines and markings.
 - 1. Provide certification by State licensed land surveyor, with proper stamp, date and signature that points shown on Record Drawings were accurately computed, marked and properly designated on track as shown and that markings applied were made using designated marks and in accordance with current governing rules and regulations of the National Federation of High School Associations.
- C. Warranty: Executed special warranty.

1.7 QUALITY ASSURANCE

- A. Resilient Surface Running Track Installer Qualifications
 - 1. An experienced Installer with ASBA certification, and a minimum of 10-years of experience in the installation of poured-in-place, two component elastomeric polyurethane resilient track surfacing.
 - 2. An experienced Installer who has completed a minimum of 10 outdoor running track installations using the exact, IAAF certified, poured-in-place, two-component elastomeric polyurethane resilient track surfacing, as specified herein with the Contractor bidding this project, and who has been trained and approved by the manufacturer, and whose work has resulted in installations with a record of successful in-service performance.
 - 3. An experienced Installer that shall be able to furnish evidence that they have been in business for a period of not less than 5-years, under their present name, and if required, able to furnish financial statements for each of the past 5-years.
 - 4. An experienced Installer with a minimum of 10-years of experience with application of aliphatic coating.
 - 5. The Installer is required to provide documentation that shows the selected specified and installed product meets IAAF Performance Specification for Resilient Surfaced Athletics Tracks (Outdoor) and is certified in terms of the IAAF certification system.
- B. Resilient Surface Running Track Manufacturer:
 - 1. Manufacturer must have a minimum or 10-years of experience with compound two-part polyurethane for athletic surfaces.
 - 2. Product to be IAAF certified and installed in a minimum of at least twenty running track installations of the specified product in the last five years.

- C. Source Limitations: Obtain running track surface system materials, including primers and binders, from single source from single manufacturer.
 - 1. Provide secondary materials including adhesives and repair materials of type and from source recommended by manufacturer of running track surface system materials.
- D. Standards and Guidelines: Comply with National Federation of State High School Associations rules.

1.8 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit running track surface system installation to be performed according to manufacturers' written instructions and warranty requirements.

1.9 WARRANTY

- A. Manufacturer's standard warranty and full guarantee in which manufacturer agrees to repair or replace components of running track system that fail in materials or workmanship within specified warranty period of 5 years.
 - 1. Failures include, but are not limited to, the following:
 - a. Deterioration of surface and other materials beyond normal weathering.
 - 2. Resilient surfacing material found to be defective as a result of faulty workmanship and/or material failure shall be replaced or repaired at no charge (labor, equipment and materials), upon written notification within the guarantee period.
 - 3. Warranty Period: Five years from date of Substantial Completion.
- B. Special Warranty for Line Striping and Markings: Manufacturer's standard form in which manufacturer agrees to repair or replace components of running track system line striping and markings that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Deterioration beyond normal weathering.
 - 2. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 RESILIENT RUNNING TRACK SURFACE SYSTEM

- A. Track Resilient Surface System: Install IAAF approved, impermeable polyurethane resilient surface track system consisting of SBR Rubber, a single-component polyurethane binder, a poured-in-place, two-component U.V. stabilized elastomeric polyurethane wearing layer with a **Hobart or embedded** textured finish.

- B. Layout and paint all track lines and event markings as required and specified by applicable current NFHS, IAAF and NCAA rules. **The markings shall be certified in accordance with American Sports Builders Association (ASBA) Class 4: Marking Verification.**
- C. Minimum performance standards:
- | | | | |
|----|-------------------------------|---|---------------------------|
| a. | System Thickness | - | ≥ 13 mm |
| b. | Force Reduction | - | 35 to 50% |
| c. | Modified Vertical Deformation | - | 0.6 to 2.2 mm |
| d. | Friction | - | ≥ 47 TRRL Skid Resistance |
| e. | Tensile Strength | - | 0.5 MPa |
| f. | Elongation at Break | - | ≥ 40% |
- D. Materials:
- a. Elastomeric Polyurethane
 - 1) Two-component, U.V. stabilized elastomeric polyurethane compounded from polyol and isocyanate components, based on one hundred percent (100%) Methylene Diphenyl Isocyanate (MDI). No Toluene Diisocyanate Isocyanate (TDI) is allowed.
 - 2) Elastomeric polyurethane shall be red (*owner approval required*) in color.
 - b. EPDM Granulate
 - 1) The EPDM granulates shall be 0.5 to 2 mm in size and peroxide cured.
 - 2) The EPDM granulates and the U.V. stabilized elastomeric polyurethane shall be color matched.
 - c. Rubber Granulate of the Base Course
 - 1) Styrene Butadiene Rubber (SBR) processed ground to a graded size of 1 to 3.5 mm, and containing no dust.
 - 2) A maximum of 82%, by weight of the paved-in-place base layer, of SBR will be allowed.
 - d. Single Component Polyurethane Binder
 - 1) Shall be a single-component polyurethane binder with a long cure time for use in paved mat specifications. A minimum of 18%, by weight of the paved-in-place base layer.
 - e. Seal Coat
 - 1) Shall be a two-component polyurethane pore sealer for use with paved rubber granule mats. The granular SBR and binder layer shall be sealed with the two-component pore sealer. The application of EPDM or SBR dust is not allowed.
 - f. Aliphatic Coating
 - 1) Single Component moisture cured aliphatic coating
 - 2) Aliphatic Coating shall be red in color matching the UV stabilized elastomeric polyurethane.
 - 3) No clear or two component coatings will be allowed.
 - g. Line Marking Paint
 - 1) All line and event markings shall be applied in (1) one coat by experienced personnel utilizing the manufacturer's recommended pigmented paint compatible with the specified polyurethane track surfacing material.
 - 2) Provide line striping and markings including:
 - a) Track oval line striping and marking.
 - b) 2 triple jumping event line striping and marking.
 - c) Pole Vault and High Jump event line striping and marking.

- d) Text for start and finish lines (including 100 and 110 meter finishes)
 - e) Text for School Name or Initials in front of bleachers.
 - f) Text for School Name in each "D"-Zone
2. Color: Red, (or as selected by Architect from manufacturer's standard range of colors).
3. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
- a. Beynon Sports Surfaces, Inc.; BSS 300 **Hobart texture**.
 - b. Copeland Coating Company, Inc.; Action-Track 800 **Embedded**.
 - c. **APT USA; Spurtan BV. Embedded**.
- E. Leveling and Patching Material: Type 7 asphalt or polyurethane-based formulation suitable for exterior use and approved by running track surface system manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for maximum moisture content, subgrade and substrate conditions, drainage, and other conditions affecting performance of the Work.
- B. Asphalt Substrates: Verify that substrates are satisfactory for running track surface system installation and that substrate surfaces are dry, cured, and uniformly level and sloped to drain. Slopes are to be within recommended tolerances according to running track surface system manufacturer's written requirements for cross-section profile.
- 1. Verify that asphalt substrates are dry, sufficiently cured to bond, free from surface defects, and free of dust, dirt, loose particles, grease, oil, and other contaminants incompatible with running track surface system or that may interfere with bond.
 - 2. Verify uniform slope and planarity with 10' level, flood testing and other means necessary for confirmation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.
- D. Beginning installation constitutes Contractor's acceptance of substrates and conditions.

3.2 PREPARATION

- A. General: Prepare substrates to receive surfacing products according to running track surface system manufacturer's written instructions. Verify that substrates are sound and without high spots, ridges, holes, and depressions.
- B. Asphalt Substrates: Provide sound surface free of contaminants incompatible with running track surface system.

1. Asphalt Repair / Shimming
 - a. Repair unsatisfactory surfaces and fill cracks and depressions under ¼”.
 - b. For repair of holes or depressions over ¾”, provide Type 7 topcourse.
 - c. For repair of holes or depressions over ¾”, mill and key surface; apply Type 7 topcourse to meet proposed grades.
2. For NFHS certification the following criteria must be followed. The track surface, i.e. asphalt substrate, shall not vary from planned cross slope by more than + 0.2%, with a maximum lateral slope outside to inside of 2%, and a maximum slope of 0.1% in any running direction. The finished asphalt shall not vary under a 10' straight edge more than 1/8”. If existing running track asphalt does not comply, Contractor shall provide all necessary remediation to bring track into compliance.
3. It should be the responsibility of the Contractor to flood the surface after removal of the existing resilient surfacing and immediately after asphalt repair / shimming is performed and capable of handling traffic, but within 24 hours. If, after 20 minutes of drying time, there are birdbaths evident, it shall be the responsibility of the Contractor, in conjunction with the Architect to determine the method of correction. No cold tar patching, skin patching or sand mix patching will be acceptable.
4. Any oil spills (hydraulic, diesel, motor oil, etc.) must be completely removed, either by chipping out or removing and replacing with new, keyed in asphalt. The minimum depth of any asphalt replacement shall be one inch. The curing time for the asphalt base is 28 days. It shall be the responsibility of the surfacing contractor to determine if the asphalt substrate has cured sufficiently prior to the application of polyurethane surfacing system.
5. It shall be the responsibility of the Contractor to determine if the asphalt substrate meets all design specifications, i.e. cross slopes, planarity and specific project criteria. After all the above conditions are met, the resilient surface running track Installer must, in writing, accept the planarity of the asphalt receiving base, before work can commence.

3.3 INSTALLATION, GENERAL

- A. General: Comply with running track surface system manufacturer's written installation instructions. Install running track surface system over area and in thickness indicated.

3.4 INSTALLATION OF RUNNING TRACK SURFACE SYSTEMS

- A. Running Track Surface System, General: Mix and apply components of running track surface system according to manufacturer's written instructions to produce a uniform wearing surface of total thickness indicated.
- B. Protect new and/or existing running track trench drain from overspray of resilient surfacing.
- C. Running Track Surface System:
 1. Primer: Apply over prepared substrate at manufacturer's standard spreading rate for type of substrate.
 2. Base Mat: Apply over primer according to manufacturer's written instructions and allow to cure.
 3. Surface: Apply two spray layers at manufacturer's recommended rate.

- D. Line Striping and Marking: Apply line paint by painting between masking tape in accordance with manufacturer's written recommendations and in compliance with governing standards organization.
1. Comply with following:
 - a. Use a State licensed surveyor or professional engineer to perform measurements.
 - b. Obtain current list of standard events requiring marking from Owner.
 - c. Locate and establish radius points.
 - d. Establish locations on curves using a transit or theodolite capable of reading direct to 20 seconds.
 - e. Establish and set necessary control points.
 - f. Lay out lines and markings to within plus or minus 1/2-inch tolerance.
 - g. Paint name of School District/team name in two locations, matching existing location, font and size.

3.5 RUNNING TRACK CHANNEL DRAIN INSTALLATION

- A. Install per manufacturer's installation instructions.
- B. Install with top surfaces of components, except piping, flush with finished surface.
- C. Assemble channel sections to form slope down toward drain outlets. Use sealants, adhesives, fasteners, and other materials recommended by system manufacturer.
- D. Fasten grates to channel sections at grated drains.
- E. Assemble channel sections with flanged or interlocking joints.

3.6 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.
- B. Remove and replace applications of running track surface system where test results indicate that it does not comply with requirements.
- C. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with requirements.
- D. Prior to final acceptance, the Architect, Owner or Owner's Representative reserves the right to perform 3" diameter core sampling of the track surfacing where directed by an independent testing agency, to evaluate depth, consistency and density.

3.7 PROTECTION

- A. Running Track Systems: Prevent traffic over system for not less than 48 hours after installation.
- B. Protect running track surfacing from damage until final acceptance.

END OF SECTION