

BID FORM

For Bids Due: _____

To: _____

Bid No: 2-18-09

The Red Clay Consolidated School District
1798 Limestone Road
Wilmington, DE 19804

Name of Bidder: _____

Delaware Business License No.: _____ **Taxpayer ID No.:** _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

(Other License Nos.): _____

Phone No.: () _____ - _____

Fax No.: () _____ - _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

Base Bid – Separate Price 1 (Richey School Field)

\$ _____
(\$ _____)

Base Bid – Separate Price 2 (Conrad School Fields)

\$ _____
(\$ _____)

Total Base Bid

\$ _____
(\$ _____)

Alternates

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates

Add Alternate No. 01: Provide underground irrigation on rectangular fields in accordance with the specifications.

\$ _____
(\$ _____)

Add Alternate No. 02: Provide underground irrigation at softball outfield in accordance with the specifications.

\$ _____
(\$ _____)

Add Alternate No. 03: Provide underground irrigation at baseball infield and outfield in accordance with the specifications.

\$ _____
(\$ _____)

Add Alternate No. 04: Demolish existing running track and construct new synthetic surface 400m running track in accordance with the plans and specifications.

\$ _____
(\$ _____)

Add Alternate No. 04a: Provide underground irrigation at playing field within inside limits of running track in accordance with the specifications.

\$ _____
(\$ _____)

Unit Prices

Unit prices conform to applicable project specification section. Refer to the specifications for a complete description of the following Unit Prices:

	<u>ADD</u>	<u>DEDUCT</u>
UNIT PRICE No. 1: <u>Unsatisfactory soil (CU)</u>	\$ _____	\$ _____
UNIT PRICE No. 2: <u>Rock Excavation (CU)</u>	\$ _____	\$ _____

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 60 days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

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 start work on the project within 5 working day of receipt of the Notice to Proceed, but no later than outlined in Specification Section 011000, as amended by Addendum No. 1, dated 12/12/17.

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 (5) 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
- Bid Security
- Drug Test Affidavit
- Delaware State Business License
- (Others as Required by Project Manuals)

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. **Note that all subcontractors listed below must have a signed Affidavit of Employee Drug Testing Program included with this bid**

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>
1. Site Work	_____	_____
2. Concrete	_____	_____
3. Painting	_____	_____
4. Fencing	_____	_____
5. Sports Fields	_____	_____
6. Seeding/Sod	_____	_____
7. Electrical	_____	_____
8. Field Irrigation	_____	_____
9. Masonry	_____	_____
10. Roofing	_____	_____

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 Red Clay Consolidated School District.

All the terms and conditions of the McKean HS Culinary Arts Renovation have been thoroughly examined and are understood.

NAME OF BIDDER: _____

**AUTHORIZED REPRESENTATIVE
(TYPED):** _____

**AUTHORIZED REPRESENTATIVE
(SIGNATURE):** _____

TITLE: _____

ADDRESS OF BIDDER: _____

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.

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 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 011000 - SUMMARY

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:

1. Project information.
2. Work covered by Contract Documents.
3. Work by Owner.
4. Work under separate contracts.
5. Future work.
6. Purchase contracts.
7. Owner-furnished products.
8. Access to site.
9. Coordination with occupants.
10. Work restrictions.
11. Specification and drawing conventions.
12. Miscellaneous provisions.

- B. Related Requirements:

1. Section 015000 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

1.3 PROJECT INFORMATION

- A. Project Identification: Conrad School of Sciences Athletic Field.

1. Project Location: 201 Jackson Avenue, Wilmington, DE 19804

- B. Owner: Red Clay Consolidated School District, State of Delaware...

1. Owner's Representative: Marcin Michalski.

- C. Architect: Becker Morgan Group, Inc., 309 S. Governors Ave., Dover, Delaware.

1.4 WORK COVERED BY CONTRACT DOCUMENTS

- A. The Work of Project is defined by the Contract Documents and consists of the following, but not limited to:
1. Athletic sport field renovations, including but not limited to:
 - a. New competition softball field
 - b. New competition baseball field
 - c. New baseball / softball dugouts
 - d. New fencing and backstops
 - e. New natural grass field hockey/lacrosse field
 - f. New natural grass soccer field
 - g. Renovations to existing football/soccer natural grass field
 - h. Renovations to existing running track
 - i. New concrete sidewalks
 - j. Parking lot striping
 - k. Parking lot signage
 - l. Sediment and stormwater management infrastructure
 - m. New Scoreboards
 - n. New fencing and gates
 - o. New sports equipment
 - p. New irrigation and yard hydrants
- B. Type of Contract:
1. Project will be constructed under a single prime contract.

1.5 PHASED CONSTRUCTION

- A. The Work shall be conducted in Three (3) phases, with each phase substantially complete as indicated.
1. Phase 1: Construction of the proposed baseball field, located at the Richey Elementary School Site. Work of this phase shall commence within 14 after the Notice to Proceed, but no later than February 2018 and achieve Substantial Completion no later than April 2018.
 2. Phase 2: Construction of the proposed natural grass soccer field, field hockey/lacrosse field and competition softball field, located at the Conrad School of Science Site. Work of this phase shall commence within 7 after completion of the Phase 1 work, but no later than April 2018 and achieve Substantial Completion no later than September 2018.
 3. Phase 3: Demolition of the existing running track and proposed construction of the synthetic surface running track as well as the renovations to the existing natural grass football/soccer field within the track limits, located at the Conrad School of Science Site. Work of this phase shall commence but no later than October 2018 and achieve Substantial Completion no later than April 2019.

- B. Before commencing Work of each phase, submit an updated copy of Contractor's construction schedule showing the sequence, commencement and completion dates for all phases of the Work.

1.6 ACCESS TO SITE

- A. General: Contractor shall have limited use of Project site for construction operations as indicated on Drawings by the Contract limits and as indicated by requirements of this Section.
- B. Use of Site: Limit use of Project site to areas within the Contract limits indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.
 - 1. Limits: Confine construction operations to areas within the Contract limits.
 - 2. Driveways, Walkways and Entrances: Keep driveways parking garage, loading areas, and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.
 - a. Schedule deliveries to minimize use of driveways and entrances by construction operations.
 - b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

1.7 COORDINATION WITH OCCUPANTS

- A. Full Owner Occupancy: Owner will occupy site and existing adjacent building(s) during entire construction period. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's day-to-day operations. Maintain existing exits unless otherwise indicated.
 - 1. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Owner and approval of authorities having jurisdiction.
 - 2. Notify Owner not less than 72 hours in advance of activities that will affect Owner's operations.

1.8 WORK RESTRICTIONS

- A. Work Restrictions, General: Comply with restrictions on construction operations.
 - 1. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.

- B. On-Site Work Hours: Limit work in the existing building to normal business working hours of 6:00 a.m. to 3:00 p.m., Monday through Friday, unless otherwise indicated.
 - 1. Weekend Hours: Permitted with prior approval by Owner.
 - 2. Early Morning Hours: Permitted with prior approval by Owner.
- C. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after providing temporary utility services according to requirements indicated:
 - 1. Notify Owner not less than two days in advance of proposed utility interruptions.
 - 2. Obtain Owner's written permission before proceeding with utility interruptions.
- D. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to Owner occupancy with Owner.
 - 1. Notify Owner not less than two days in advance of proposed disruptive operations.
 - 2. Obtain Owner's written permission before proceeding with disruptive operations.
- E. Controlled Substances: Use of tobacco products and other controlled substances within the Cape Henlopen State Park is not permitted.
- F. Employee Identification: Provide identification tags for Contractor personnel working on Project site. Require personnel to use identification tags at all times.
- G. Employee Screening: Comply with Owner's requirements for drug and background screening of Contractor personnel working on Project site.
 - 1. Maintain list of approved screened personnel with Owner's representative.

1.9 SPECIFICATION AND DRAWING CONVENTIONS

- A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
 - 1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
 - 2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.
- B. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.
- C. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:

1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
2. Abbreviations: Materials and products are identified by abbreviations published as part of the U.S. National CAD Standard] [and] [scheduled on Drawings.
3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011000

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SECTION 012200 - 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 012600 "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
 - 2. Section 014000 "Quality Requirements" for field testing by an independent testing agency.

1.3 DEFINITIONS

- A. Unit price is an amount incorporated into the Agreement, applicable during the duration of the Work as 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, 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: Removal of unsatisfactory soil and replacement with satisfactory soil material.
 - 1. Description: Unsatisfactory soil excavation and disposal off-site and replacement with satisfactory fill material or engineered fill from off-site, as required, according to Section 312000 "Earth Moving."
 - 2. Unit of Measurement: Cubic yard (Cubic meter) of soil excavated, based on in-place surveys of volume before and after removal.

- B. Unit Price No. 2: Rock excavation and replacement with satisfactory soil material.
 - 1. Description: Classified rock excavation and disposal off-site and replacement with satisfactory fill material or engineered fill from off-site, as required, according to Section 312000 "Earth Moving."
 - 2. Unit of Measurement: Cubic yard (Cubic meter) of rock excavated, based on survey of in-place surveys volume of before and after removal.

END OF SECTION 012200

SECTION 012300 - ALTERNATES

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 alternates.

1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

- A. Alternate No. 01: Provide underground irrigation system for the new rectangular soccer and field hockey fields.
 - 1. Base Bid: Reel irrigation system in accordance with plans and specifications.
 - 2. Alternate: Provide underground irrigation system in accordance with the specifications.

- B. Alternate No. 02: Provide underground irrigation system for the new softball field (outfield).
 - 1. Base Bid: Reel irrigation system and yard hydrants in accordance with the plans and specifications.
 - 2. Alternate: Provide underground irrigation system and yard hydrants in accordance with the specifications.

- C. Alternate No. 03: Provide underground irrigation system for the new baseball field (infield and outfield).
 - 1. Base Bid: Reel irrigation system and yard hydrants in accordance with the plans and specifications.
 - 2. Alternate: Provide underground irrigation system and yard hydrants in accordance with the specifications.

- D. Alternate No. 04: Demolish existing running track and reconstruct track in accordance with plans and specifications.
 - 1. Base Bid: No Work.
 - 2. Alternate: Demolish existing track, utilities, curbing, wall, etc and construct new synthetic surface running track and all associated appurtenances per the plans and specifications. This alternate shall include all work associated with Phase 2 plans, including but not limited to field regrading, top soiling and seeding, utilities, wall, curbing, concrete, fencing, erosion and sediment control, track paving and surfacing, scoreboard relocation, long jump system, football uprights, reel irrigation, etc.

- E. Alternate No. 04a: Provide underground irrigation system for the grassed areas within limits of proposed running track. In accordance with plans and specifications.
 - 1. Base Bid: No work.
 - 2. Alternate: Provide underground irrigation system in accordance with the specifications. This alternate would not be accepted without acceptance of Alternate No. 4.

END OF SECTION 012300



ARCHITECTURE
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Meeting Attendance – Pre-Bid Conference

Date / Time: December 7, 2017, 10:00 am

Project Name: Conrad School of Sciences Athletic Fields

Project No. / Contract No.: 2013222.00 / 2-18-09

Location: Conrad School of Sciences

Attendees (Please print legibly)

NAME	AGENCY/COMPANY	TELEPHONE	EMAIL	FAX
Wayne Sharp	Becker Morgan Group	302-734-7950	wsharp@beckermorgan.com	302-734-7965
Jon Falkowski	Becker Morgan Group	302-734-7950	jfalkowski@beckermorgan.com	302-734-7965
Marcin Michalski	Red Clay School District	302-892-3284	marcin.michalski@redclay.k12.de.us	302-892-3287
Brian Havens	GrassBusters	410-392-6283	lisae@gbinc.net	302-292-1197
Steve Newman	Reybold Construction	609-202-4112	snewman@reybold.com	302-392-4491
Al Buciorelli	American Athletic	609-859-1414	abuc@trackandturf.com	609-859-1791
Brad Davidson	The Landtek Group	631-691-2381	estimatinggroup@landtekgroup.com	631-598-8280
Darren Anderson	ATT Sports, Inc	856-767-3088	danderson@attsports.com	856-767-3422
Matt Wimer	Hummer Turfgrass	717-917-5527	matt@usaturf.com	717-898-5000
Tony Ventresca	Ventresca Bors., Inc	302-658-6436	tony@ventrescabross.com	302-658-2360
Rob Kemske II	A-Del Construction	302-453-8286 ext 116	estimates@a-del.com rkemske@a-del.com	302-453+9550
Matt Ballintyn	Merit Constr. Engrs, inc	302-992-9810	mattb@mce85.com	302-992-9568
Kyle Lindstrom	Lindstrom Excavators	410-778-6344	kyle@lindexc.com	410-778-0477
Shawn Werley	Jones Turf Management, inc.	610-644-7224	jonesturf@gmail.com	610-644-8805
Greg Casenta	Corrado Construction	302-932-9009	gcasenta@corrado.com	302-652-2239



ARCHITECTURE
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ADDENDUM TO CONTRACT DOCUMENTS

Date: December 12, 2017

To: Bidders

From: Jon Falkowski, Becker Morgan Group, Inc.

Copies: All Attending Pre-Bid Meeting, see attached sign-in sheet
Marcin Michalski, Supervisor of Facilities and maintenance
Emily Ryan, Data Service Center

Project: **Conrad School of Science Athletic Fields**
Wilmington, Delaware

Project Number: BMG Project No. 2013222.01

Contract No.: 2-18-09

Subject: **ADDENDUM NO. 01**

NOTICE: Attention is called to the following item(s), effective as of the date above, which shall be added to, deleted from, or changed in the contract documents dated November 13, 2017, and any previously issued addenda, thereby incorporating these items into the contract.

PRE-BID MEETING MINUTES:

1. Mandatory Pre-Bid Meeting Held: 10:00 AM, December 7, 2017 at Conrad School of Science, Wilmington, DE
2. Wayne Sharp of Becker Morgan Group, Inc. (BMG) conducted the pre-bid meeting.
3. Introductions of the Design and Owner's team.
4. Bids Due: January 4, 2018, until 3:00 PM at the offices of Red Clay Consolidated School District, Facilities Department (Stanton Middle School site), 1798 Limestone Road, Wilmington, DE 19804, see Invitation to Bid.
5. Bidding Documents are available for a non-refundable cost of \$25 per CD with PDF Drawings and Project Manual (checks only) through BMG, BMG distributed CD's purchased at the meeting.
6. Bidding Documents are available for viewing at Becker Morgan Group, Inc., 309 South Governors Ave., Dover, Delaware.
7. Addenda: The last Addendum will be issued not later than four (4) days prior to bid.
8. Requests for Information (RFI): The last RFI's will be accepted until the 5:00 pm, Friday, December 22, 2017. RFI's are to be submitted to Chris Duke and Jon Falkowski of Becker Morgan Group. RFI are to be transmitted via fax (302.734.7965), or as an attachment to an email to cduke@beckermorgan.com and jfalkowski@beckermorgan.com. No other submissions will be processed. (See clarification in Addendum below).
9. Bidders were reminded to use the Bid Form included in the Project Manual. The Base Bid have two (2) separate prices, for Richey and Conrad. These are NOT Alternated, and both prices will constitute the "base Bid" for the project.
10. Bidders were reminded to include the Non-Collusion Statement with their bid.

11. Bidders were reminded to include copy of their valid Delaware Business License with their bid.
12. Bidders were reminded to include copies of the signed Employee Drug Testing Program Affidavit forms for the Bidder and each listed Subcontractor with their bid.
13. Bidders were reminded that the Employee Drug Testing forms in accordance with 4104 Regulations for Drug Testing of Contractor and Subcontractor will be required to be submitted in accordance with the Regulation.
14. Subcontractor List: BMG read the subcontractor list included in the Project Manual and asked if there were any desired changes, none were expressed. Bidders were informed that they need to fill in every subcontractor listing and list themselves if self-performing, **a blank space renders the bid irregular.**
15. Bidders were reminded that the project is a Prevailing Wage project and the certified wage rates are included in the Project Manual.
16. Bid Bond: Required value of 10% of the Bid.
17. Performance Bond and Payment Bond are required for the project.
18. Construction Contract to be AIA A101-2007 Standard Form of Agreement Between Owner and Contractor.
19. Temporary Facilities: Contractor can use the Owner's existing water and electrical service. Contractor shall provide temporary "port-a-pottie" for sanitary facilities. Contractor parking will be made available in existing parking lots.
20. Work Hour: Shall be as outlined in the Project Manual, 6:00 am – 3:00 pm, work on weekend upon Owner's prior approval.
21. BMG provided a brief overview of the scope of work of the project, as outlined in the Project Manual, and reviewed site access and staging.
22. Alternates: BMG indicated that there are four (4) Alternates included in the project, as outlined in the Project Manual. However, there will most likely be additional Alternates add by Addendum.
23. Schedule: Proposed schedule:
 - a. Richey School, Phase 1, start February 2018, completion April 2018.
 - b. Conrad School, Phase 1, start April 2018, completion September 2018.
 - c. Conrad School, Phase 2, start October 2018, completion April 2019.
 - d. Owner is open to reasonable alterations to this schedule, based on performance and construction times.
24. Bidders were informed that there are tight working conditions at the site, and reminded that they would be required to repair any damage due to their construction efforts.
25. The adjacent parking lot can be used for contractors parking and staging areas have been identified within the limits of construction.
26. BMG indicated that track topping material color to be "red".
27. BMG indicated that, per specifications, base compaction testing is required prior to installation, testing by Owner.
28. BMG indicated that the contractor will need to prepare and submit line striping and event markings for Owner's review and approval. Certification of accuracy to be provided upon completion.
29. BMG indicated that the owner is responsible for enlisting services of a geotechnical engineer for testing and inspection services.
30. BMG indicated that the paving contractor is responsible for enlisting services of a registered engineer and/or surveyor to verify lines and grades of the finish course asphalt. See Spec section 321817, Part 1.9 G. In addition, it is the responsibility of the track surfacing contractor to accept the asphalt base, in writing, prior to installation of track surfacing system.
31. BMG informed Bidders that the Richey School is located in the Town of Newport and the Conrad School is located in New Castle County, and the contractor will need to permit accordingly.
32. RCCSD indicated that the construction at Richey is adjacent to an existing Elementary School and temporary enclosure of the site will be required, as outlined on the Contract Documents.
33. RCCSD indicated there are two (2) existing scoreboard panels to be relocated in phase one and one (1) scoreboard to be relocated in phase two. BMG indicated that the supports for these scoreboards will be

provided by the contractor as Designated Design as it relates to beams, columns, foundations and electrical connections.

34. BMG outlined to limited electrical scope of work.
35. BMG indicated the site will require fill to bring fields to proposed grade. It is intended that any excess material will be hauled off-site as there is no room for stockpiling. Bidder asked if testing would be required to insure the existing soil is suitable/acceptable. Testing should be performed by the contractor prior to construction. If soil is not acceptable, borrow will need to be provided, BMG will add Unit Price by Addendum.
36. Bidder asked about maintenance period for the turf areas. Turf grass warranty shall be 12 months unless otherwise decided between owner/contractor based on field use and agreed upon turnover time. BMG will confirm by Addendum.
37. Bidders asked about sod watering, by contractor or by Owner. BMG will clarify by Addendum.

RFI's

(Italicized questions still pending)

(Shaded questions answered in previous Addenda)

LandTel Group RFI 01	
Item	Description
1	<p>Q: Please confirm the above referenced project is currently out to bid, as we read conflicting information from various bid notice sites. If it is, could you provide and estimate of the start and finish dates. Is the information regarding purchasing the documents correct: \$25 from Becker Morgan Group?</p> <p>A: Bidders should be using the Delaware bid portal MyMarketPlace for bid information. No estimates will be released at this time. Currently the schedule is included in the Project Manual as start upon receipt of Notice to Proceed and completion in 180 days. The schedule will be amended by Addendum. Bid documents are available from Becker Morgan Group, Inc., 309 South Governors Ave., Dover, DE 19904, 302-734-7950, please call in advance.</p>
The Perfect Mound RFI 01	
Item	Description
1	<p>Q: The Perfect Mound, manufactures portable pitching mounds and I would like to know how I can get our mound approved as an alternative to the one listed in your bid documents so that general contractors have the option to spec us into their bid.</p> <p>A: Currently we are not inclined to approve a portable synthetic surface mound in lieu of the naturally formed, diamond-tex with clay bricks design, per the owner's request.</p>
Precision Sports Surfaces, Inc. RFI 01	
Item	Description
1	<p>Q: Is there an estimated or desired completion date for the running track surface?</p> <p>A: No later than April 2019</p>
2	<p>Q: What are the liquidated damages for the project?</p> <p>A: There are no liquidated damages.</p>
3	<p>Q: Regarding spec section 321818, please approve our equivalent running track surface system (Spartan BS (RED) manuf. by APT). I have attached specifications, references and additional documents for your review.</p> <p>A: Approved.</p>
Grassbusters RFI 01	
Item	Description
1	<p>Q: I have sent out electrical information to 3 separate contractors for bidding and they are asking what size conduit and wiring do you want to use for wiring the scoreboards? Is Becker Morgan going to provide details or do you want them to bid Design/Build?</p>

	A:	
2	<p>Q: As per detail sheet C-902, there is a proposed 6" concrete curb running the entire interior of the running track. Is this to be included in the base bid for the football field or the alternate for the track? I am just trying to be certain exactly what is to be included in the alternate for the new synthetic track construction.</p> <p>A: Yes, track interior curbing to be included in base bid for alternate no. 4. All work associated with phase 2 including track and field work, etc. is base bid within alternate no. 4. See revised alternates specification 012300 section 3.1 D2 for further description of scope.</p>	
3	<p>Q: In addition on plan sheet C-201, item G-5 calls out for a proposed retaining wall per architectural plans. I don't see any detail for a retaining wall. There is currently an existing concrete wall around outside of football field.</p> <p>A:</p>	

PROJECT MANUAL CHANGES:

Item	Description
1	<p>Section 000110 – Table of Contents</p> <p>A. Add Section 012200 Unit Prices, 2 pages.</p>
2	<p>Section 002113 – Instructions to Bidders</p> <p>A. Add the following to the end of 3.1.2:</p> <p style="padding-left: 40px;">a. “All bidders must purchase electronic copies (PDF) of the Contract Documents, as outlined in the Invitation to Bid, to be eligible to submit a bid.”</p> <p>B. Delete the word “seven” from the first sentence of 3.2.2, Substitute the word “eight”.</p> <p>C. At the pre-bid meeting it was indicated that the last RFI is due on December 22nd. The last RFI will be due by 5:00 pm, Wednesday, December 20, 2017.</p>
3	<p>Section 004113 - Bid Form</p> <p>A. Delete entire section, Substitute revised Bid Form dated 12/12/17.</p>
4	<p>Section 011000 - Summary</p> <p>A. Delete entire section, Substitute revised Summary dated 12/12/17.</p>
5	<p>Section 012200 – UNIT PRICES</p> <p>A. Add entire new section Unit Prices, dated 12/12/17.</p>
6	<p>Section 012300 – ALTERNATES</p> <p>A. Part 3.1 – Add “E. Alternate No. 04a: Underground Irrigation to grassed field within track.</p>
7	<p>Section 321818 – SYNTHETIC TRACK SURFACING SYSTEM</p> <p>A. Part 2.2 – Add Approved Equal Alternative.</p>

DRAWING CHANGES:

Item	Description

LIST OF ATTACHMENTS

Item	Description	
1	Pre-Bid meeting Attendance Sign-In Sheet	12/07/17
2	Specification Section 004113 – Bid Form	12/12/17

2	Specification Section 012200 – Unit Prices	12/12/17
2	Specification Section 012300 – Alternates	12/12/17
2		

Addendum # 01
Conrad School of Science Athletic Fields
Wilmington, Delaware

December 12, 2017
2013222.01
Page 6

END OF ADDENDUM # 01

201412202_Addn01.doc

SECTION 321818 – SYNTHETIC TRACK SURFACING SYSTEM

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. All weather resilient synthetic track surface over asphalt base, with striping.

1.3 SCOPE

- A. The synthetic surfacing contractor shall furnish all labor, materials, equipment, supervision and services necessary for the proper completion of the synthetic track surfacing system and related work indicated on the drawings and specified herein.
- B. The synthetic surfacing contractor shall refer to the drawings for the required locations of synthetic track surfacing to be installed. All quantities and dimensions shall be field verified by the synthetic surfacing contractor.

1.4 SPECIFIC SCOPE OF WORK

- A. Install an IAAF approved, porous polyurethane synthetic track system consisting of SBR granules and topped with BEYPUR, a single component polyurethane structural spray, and EPDM granules.
- B. Layout and paint all lines and event markings as required and specified by current NFSHSA, IAAF, and NCAA rules.

1.5 COORDINATION

The synthetic surfacing contractor shall coordinate the work specified with an authorized and appointed representative of the owner so as to perform the work during a period and in a manner acceptable to the owner.

1.6 APPLICABLE PUBLICATIONS

Codes and standards follow the current guidelines set forth by the International Amateur Athletic Federation (IAAF) and the National Collegiate Athletic Association (NCAA), along with the current material testing guidelines as published by the American Society of Testing and Materials (ASTM).

1.7 SUBMITTALS

- A. Product Data: For material indicated.
- B. Samples for Verification: For each type and color of material required.
- C. Product Certificates: Signed by manufacturers of track surface certifying that products furnished comply with requirements and are suitable for the use indicated.
- D. Qualification Data: For firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.
- E. Test results from an IAAF Testing Laboratory confirming compliance to the performance of athletic tracks test according to the IAAF.

1.8 PERFORMANCE STANDARDS

- A. The synthetic track surfacing system shall exhibit the following minimum performance standards as required by IAAF:
 - 1. Thickness 12 - 13mm
 - 2. Force Reduction 35 to 50%
 - 3. Modified Vertical Deformation 0.6 to 2.5mm
 - 4. Friction \geq 47 TRRL Skid Resistance
 - 5. Tensile Strength \geq 0.4 MPa
 - 6. Elongation at Break \geq 40%

1.9 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced factory trained installer who has specialized in installing similar in material, design, and extent to those indicated for this Project and whose work has resulted with a record of successful in-service performance.
- B. The uniformity of both grade and planarity is intended to meet governing body specifications. Slopes shall meet those set forth in the rules for track and field for the intended use of the facility (NFSHSA). Complete rules and regulations are available from the National Federation of State High School Associations (NFSHSA) at 816-464-5400. Finished slopes shall match

those shown on the grading plans.

- C. The finished surface of the leveling course shall not vary more than 3/16" in any direction when measured with a 10' straight-edge. Elevations shall be taken every twenty-five feet in the running direction at the inside edge, centerline and outside edge of track. Any area that does not have the correct cross slope shall be documented and reported to the owner prior to construction start up and staging of materials.
- D. Track surfacing contractor shall check the asphalt for compliance, and reject, for correction, any base which is not within specifications.
- E. Certification – Upon the completion of the stone and asphalt base, the construction shall be checked by a licensed professional engineer or land surveyor for compliance with the lines and grades set forth in the plans and specifications. Upon completion of the survey, the licensed professional engineer or land surveyor shall certify that the track and field events are constructed in accordance with the plans and specifications.
- F. Line striping and event markings shall be laid out in accordance with current IAAF and NCAA rules. Upon Completion of the installation, the owner shall be supplied with all necessary computations and drawings as well as a letter of certification attesting to the accuracy of the markings.

1.10 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to Project site in original unopened containers or bundles with labels indicating manufacturer, product name and designation.
- B. Store and handle materials to comply with manufacturer's written instructions to prevent their deterioration or damage due to moisture, high or low temperatures, contaminants, or other causes.

1.11 PROJECT CONDITIONS

- A. Asphalt Substrate: The asphalt upon which the TRACK SURFACE is installed shall be clean, free-draining, and shall exhibit the planarity and tolerances set forth in Court and Field Diagram Guide as published by the National Federation of State High School Associations (NFSHSA).
- B. Weather Conditions: The quality of the installation is dependent upon proper weather conditions. No installation shall be made when rain is imminent or when ambient temperatures are below 50 degrees F. It is best to install the system in sunny weather with day-time temperatures of at least 60 degrees F. When night-time temperatures fall below 45 degrees F, the system should not be installed.
- C. Installation shall not take place if adjacent or concurrent construction generates excessive dust, abrasives or any other by-product that, in the opinion of the installer, would be harmful to the track material, until completion of such works.

1.12 WARRANTY

- A. All synthetic track surfaces shall be fully warranted against defects in workmanship and materials. The specific length of the warranty shall be five (5) years. The contractor shall

repair or replace defective surface at no cost to the owner. Excluded from the warranty are defects caused by faulty design, acts of God, improper maintenance, abuse, and uses other than those set forth above. The owner is required to maintain the facility in accordance with the maintenance instructions which are provided with the warranty.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

A. Primers

1. Shall be a polyurethane based primer formulated to be compatible with paved-in-place SBR granules.

B. Black SBR Granules

1. Rubber granules for the base mat shall be recycled SBR rubber 1 to 3mm in size, containing less than 1% dust.

C. EPDM Granules

1. The rubber granules for the structural spray wearing coats shall be EPDM peroxide cured, synthetic rubber containing a minimum 20% EPDM resin, with a specific gravity of 1.5 ± 0.1 g/cm³. The EPDM rubber shall be color matched as chosen by the owner.

D. Single Component Polyurethane Binder

1. Shall be a MDI based single-component polyurethane binding agent. Binder shall not have a free TDI monomer level above 0.2% and must be solvent free. The binder must be specifically formulated for SBR rubber crumb compatibility.

E. Structural Spray Coating

1. Shall be a waterbased single-component, pigmented polyurethane, specifically formulated for compatibility with EPDM granules. The coating shall be Red. Pigment intergraded in the field shall not be allowed.

F. Line Marking Paint

1. Single-component, moisture cured, aliphatic polyurethane paint.

2.2 REPRESENTATIVE PRODUCT

- #### A. Basis of Design: BSS 100 Synthetic Track Surfacing System as manufactured by:

Beynon Sports Surfaces, Inc.
16 Alt Road
Hunt Valley, MD 21030
Phone: 410-771-9473
Fax: 410-771-9479
E-Mail: dbeynon@beynonsports.com

- B. Approved Equal Alternative: Spurtan BS Synthetic Track Surfacing System as manufactured by:

Advanced Polymer Technology Corp.
109 Conica Lane Po Box 160
Harmony, PA 16037
Phone: 724-452-1330
Fax: 724-452-1703
E-Mail: info@advpolytech.com

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine existing track surface for compliance with requirements for joint configuration, installation tolerances, and other conditions affecting track surface performance.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Sub-base

1. The Synthetic Track Surfacing System shall be laid on an approved sub-base. The General Contractor shall provide compaction test results of 95% or greater for the installed sub-base and asphalt surface.
2. For NCAA certification the following criteria must be followed. The track surface, i.e. asphalt substrate, shall not vary from planned cross slope by more than + .2%, with a maximum lateral slope outside to inside of 1%, 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".
3. 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.
4. It shall be the responsibility of the track surface 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 synthetic surfacing contractor must, in writing, accept the planarity of the asphalt receiving base, before work can commence.

B. Thickness

1. The thickness of the Synthetic Track Surfacing System shall be 13mm.
2. The Synthetic Track Surfacing System components shall be processed and installed by specially designed machinery and equipment. A mechanically operated paver with variable regulated speed and thermostatically controlled screed shall be used in the installation of the base mat. The wearing course shall be installed using automatic electronic portioning, which provides continuous mixing and feeding for an accurate, quality controlled installation.

C. Installation

1. Base Course - The SBR granules and single compound polyurethane binder shall be mixed together on site to regulate the ratio/quantity of SBR, not to exceed 82% in the base mat portion of the system. The single compound polyurethane binder shall be mixed with the SBR rubber so that a minimum of 20%, by weight, exists in the final mixture. This mixture is then mechanically installed using the paver.
2. Wearing Course - The 0.5 to 1.5mm EPDM granules shall be integrated into the single-component structural spray coating. The structural spray shall be made in two (2) uniform applications.

3.3 POST-INSTALLATION INSPECTION

- A. Mat Construction: The track and field event surface shall be constructed in accordance with methods approved by the manufacturer of the system.
- B. The finished surface shall be uniform in appearance, depth and density.
- C. Provide track markings in accordance with NFSHSA, IAAF, and NCAA rules and regulations.

3.4 CLEANING

Clean off excess material as the Work progresses by methods and with cleaning materials approved by product manufacturers.

3.5 PROTECTION

Protect track surface during and after curing period from contact with contaminating substances and from damage resulting from construction operations or other causes so track surfaces are without deterioration or damage at time of Substantial Completion. If, despite such protection, damage or deterioration occurs, cut out and remove damaged or deteriorated track surface immediately so installations with repaired areas are indistinguishable from the original work.

END OF SECTION 02886-A



Transmittal

309 South Governors Avenue, Dover, DE 19904

PROJECT: 201322201 Conrad Schools of Science/Athletic Fields
2013222.01

DATE: 12/12/2017

SUBJECT: Addendum No. 1

TRANSMITTAL ID: 00006

PURPOSE: For your use

VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Jonathan Falkowski 309 South Governors Avenue Dover DE 19904 United States	Becker Morgan Group, Inc.	jfalkowski@beckermorgan.com	302-734-7950

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Transmittal

DATE: 12/12/2017
 TRANSMITTAL ID: 00006

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REMARKS: Please find attached documents associated with Addendum 1.

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	12/12/2017	004113 - bid form-Add01.pdf	
1	12/12/2017	011000 - summaryAdd01.pdf	
1	12/12/2017	012200 - unit prices-Add01.pdf	
1	12/12/2017	012300 - alternates-Add01.pdf	
1	12/12/2017	321818 - Synthetic Track.pdf	
1	12/12/2017	201322200-mtgattend-prebid.pdf	
1	12/12/2017	201322201_Addn01.pdf	