



State of Rhode Island  
Department of Administration / Division of Purchases  
One Capitol Hill, Providence, Rhode Island 02908-5855  
Tel: (401) 574-8100 Fax: (401) 574-8387

**ADDENDUM # 2**

11/25/14

Solicitation #7549150

*Title: Provide Site Improvements at the Knight Campus Baseball Field*

**Submission Deadline: NOTE CHANGE**

**From: 1/22/15 @ 10:00 AM**

**To: 1/30/15 @ 11:00 AM**

Per the issuance of ADDENDUM # 2 the following are noted:

See attached

Prospective bidders and all concerned are hereby advised of the attached changes/modifications for the above referenced RFQ and are hereby requested to change their copies accordingly.

*No questions will be entertained.*

*Interested Parties should monitor this website on a regular basis, for any additional information that may be posted.*

**Gary P. Mosca**  
**Senior Buyer**

**01/14/15**

**Addendum No. 2**

**Solicitation No. 7549150**

***Provide Site Improvements at the Knight Campus Baseball Field***

**SPECIFICATIONS:**

1.0 **REMOVE:** Specification 32 18 17 Special Surfaces in its entirety.

**REPLACE WITH:** Specification 32 18 17 Special Surfaces as attached to this addendum as attached to this addendum.

SECTION 32 18 17  
SPECIAL SURFACES

**PART 1 - GENERAL**

1.1 RELATED DOCUMENTS

- A. Drawings and General Provisions of Contract, including General and Supplementary Conditions and Division 01 Specification sections, apply to work of this section.
- B. Related sections include the following:
  - 1. Section 31 00 00 – Earthwork

1.2 DESCRIPTION OF WORK

- A. The principle work of this section includes, but may not be limited to:
  - 1. Skinned Infield Surface
  - 2. Warning Track Surface

1.3 SUBMITTALS

- A. Product Data: For the product specified, submit a five-pound (5 lb.) sample along with a private lab test result indicating the particle size analysis of the material specified. All tests shall be performed in accordance with ASTM F-1632.
- B. Contractor to provide a survey of the sub-grade elevations to be approved by the landscape architect prior to the placement of the infield skin material.

1.4 MINIMUM REQUIREMENTS

- A. The successful bidder shall meet the following minimum requirements in order to be considered for installation of the athletic fields. **All requirements listed in 1.4 MINIMUM REQUIREMENTS shall be documented and submitted to the Architect for approval prior to commencement of any athletic field work.**
  - 1. Selected installer must have installed fields greater than three (3) years old of similar materials and design. **Documentation of this shall be furnished per 1.4, A above.**
  - 2. Selected installer must install athletic fields using his/her own crews, subcontracting of installation work will not be allowed.
  - 3. Selected installer must have a minimum of five (5) baseball infields at over 25,000 square feet each installed in the Northeast United States of similar construction. **A list of these installations with owner's name and phone number shall be furnished per 1.3, A above.**
  - 4. Selected installer must have a minimum of five (5) years' experience in the installation of athletic fields. The crew foreman shall have installed a minimum of five (5) similar installations. **A list of previous projects installed by foreman shall be furnished per 1.3, A above.**

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1.5 QUALITY ASSURANCE

- A. Pay close attention to special surfaces. Surface materials vary within the ball field areas. Any uncertainty of surface material must be brought to the attention of the Owner's Representative for clarification. The Contractor will be responsible for assuring that all special surfaces are applied in the area specified.
- B. The approved installer shall meet with the Site Contractor and General Contractor to review the following:
  - 1. Review the entire system including subgrade, base, utilities, and drainage to ensure all components are complimentary.
  - 2. Installation of the athletic field shall be done only after excavation and construction work which might injure it has been complete. Damage caused during construction shall be repaired prior to acceptance.
- C. Do not make substitutions without written approval. If specified materials are not available, obtain approval for substitution from the Architect and Owner's Representative.
- D. Material: Quality control samples shall be completed at a rate of one per 250 tons of material delivered to the jobsite. All tests shall be conducted by the same lab as the original sample.

**PART 2 - PRODUCTS**

2.1 Any manufacturer's names and/or model numbers identified herein are intended to assist in establishing a general level of quality, configuration, functionality, and appearance required. This is NOT a proprietary specification and it should be noted that "or equivalent" applies to all products denoted herein. It is understood that all manufacturers will have minor variations in configuration, appearance, and product specifications and such minor variations shall not eliminate such manufacturers as an equivalent. It is the intent of this specification to encourage open and competitive involvement from multiple manufacturers that are able to supply similar products.

2.2 SKINNED INFIELD SURFACE

- A. Infield mix shall be mechanically mixed offsite in a controlled environment to provide a thorough mixing of the sand and clay components to exact specifications as described in section 2.2-B of this specification.
- B. The skinned area soil mix shall be a composite soil of washed mason-type sand, silt, and clay, reddish brown to tan in color and conform to the following physical properties:
  - 1. Total sand content shall be seventy percent (70%) to seventy five percent (75%).
  - 2. The combined amount of sand retained on the medium, coarse and very coarse sieves shall be greater than fifty percent (50%).
  - 3. The combined amount of silt and clay shall be twenty five percent (25%) to

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- thirty percent (30%).
4. The ratio of silt-to-clay shall be 0.5-1.0.
  5. No particles greater than 3mm.
  6. Equal to or lesser than five percent (5%) of particles shall be retained on the two millimeters (2mm).

C. Soil Additives:

1. Pre-emergent weed control for skinned infield areas. Incorporate Simazine (Trade names Princept, Simazine, Sim-trol) or equivalent in top two inches (2") of skinned infield mix according to manufacturer's recommendation for local soil conditions.
2. Turface, a calcined clay sports field conditioner shall be added as a top dressing to the skinned infield areas, or equivalent. Application shall be done to manufacturer's recommendations.

D. Excess Materials

1. Provide the owner or owners' authorized representative with a 10-ton stockpile of material for future use.

2.3 WARNING TRACK SURFACE

- A. The warning track shall be clean, crushed brick mix with #10 limestone resulting in a mix that is reddish brown in color. The skinned surface mix shall pass the following sieve analysis:

<u>Sieve Size</u>	<u>Percent Passing</u>
3/8	100
#4	90-100
#8	60-78
#16	42-55
#30	20-40
#50	8-20
#100	5-12
#200	0-5

B. Soil Additives:

1. Pre-emergent weed control for skinned infield areas. Incorporate Simazine (Trade names Princept, Simazine, Sim-trol) or equivalent in top two inches (2") of skinned infield mix according to manufacturer's recommendation for local soil conditions.

C. Excess Materials

1. Provide the owner or owners' authorized representative with a 1-ton pallet of material for future use.

2.4 MOUND AND BATTER'S BOX CLAY

- A. Infield mix shall be mechanically mixed offsite in a controlled environment to
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provide a thorough mixing of the sand and clay components to exact specifications as described in section 2.4-B of this specification.

- B. Pitching mound and batter's box clay is clean, dry clay mixed with washed masonry type sand resulting in a weed-free mix that is reddish brown in color possessing the following physical properties:
  - 1. Total sand content shall be fifteen percent (15%) to twenty eight percent (28%).
  - 2. The overall clay content shall be greater than thirty percent (30%).
  - 3. The ratio of silt-to-clay shall be 0.75-1.25.
- C. Excess Materials
  - 1. Provide the owner or owners' authorized representative with a 1-ton pallet of material for future use.

### **PART 3 - EXECUTION**

#### **3.1 SKINNED INFIELD SURFACE**

- A. Ball field infield areas which are to become skinned shall be excavated to the required depth. Excavated material shall be deposited of in the proper manner. Subgrade to be compacted to ninety percent (90%) compaction or greater.
- B. Spread base gravel uniformly over subgrade to the depth indicated on the plans and as specified in Section 31 00 00 - Earthwork. Gravel shall be graded and compacted to produce smooth non-yielding surface. Gravel layer to be compacted to ninety percent (90%) compaction or greater.
  - 1. Skinned infield area soil mix shall then be distributed over gravel layer to the depth indicated on the plans required to achieve finish grade.
  - 2. Place material in lifts of two (2) to three (3) inches and lightly compact until an optimum compaction between eight five (85) and ninety (90) percent is achieved on a standard proctor test (ASTM D689-07).
  - 3. Scarify between lifts to ensure bonding between lifts.
  - 4. Wet down the area with surface spray of clean water until area appears to be saturated but workable. Within twenty-four (24) hours, roll entire surface with a roller weighing a minimum of two (2) tons. Additional mix shall be added eliminate depressions or uneven surface. Skinned surface to be flush with sodded or seeded surface, except in construction of pitcher's mound.
  - 5. Materials shall be finished graded with a laser device that allows accuracy of quarter inch (¼") in ten feet (10').
  - 6. Add Turface as per manufacturer's recommendations for quantity and installation.

#### **3.2 WARNING TRACK SURFACE**

- A. Warning track areas which are to become skinned shall be excavated to the  
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required depth. Excavated material shall be deposited of in the proper manner. Subgrade to be compacted to ninety percent (90%) compaction or greater.

- B. Spread base gravel uniformly over subgrade to the depth indicated on the plans and as specified in Section 31 00 00 - Earthwork. Gravel shall be graded and compacted to produce smooth non-yielding surface. Gravel layer to be compacted to ninety percent (90%) compaction or greater.
  - 1. Skinned infield area soil mix shall then be distributed over gravel layer to the depth indicated on the plans required to achieve finish grade.
  - 2. Place material in lifts of two (2) to three (3) inches and lightly compact until an optimum compaction between eight five (85) and ninety (90) percent is achieved on a standard proctor test (ASTM D689-07).
  - 3. Scarify between lifts to ensure bonding between lifts.
  - 4. Wet down the area with surface spray of clean water until area appears to be saturated but workable. Within twenty-four (24) hours, roll entire surface with a roller weighing a minimum of two (2) tons. Additional mix shall be added eliminate depressions or uneven surface. Skinned surface to be flush with sodded or seeded surface, except in construction of pitcher's mound.
  - 5. Materials shall be finished graded with a laser device that allows accuracy of quarter inch ( $\frac{1}{4}$ " ) in ten feet (10').
  - 6. Add Turface as per manufacturer's recommendations for quantity and installation.

### 3.3 MOUND AND BATTER'S BOX CLAY

- A. Pitcher's Mound and Batter's Box areas which are to become skinned shall be excavated to the required depth. Excavated material shall be deposited of in the proper manner. Subgrade to be compacted to ninety percent (90%) compaction or greater.
- B. Spread base gravel uniformly over subgrade to the depth indicated on the plans and as specified in Section 31 00 00 - Earthwork. Gravel shall be graded and compacted to produce smooth non-yielding surface. Gravel layer to be compacted to ninety percent (90%) compaction or greater.
  - 1. Skinned infield area soil mix shall then be distributed over gravel layer to the depth indicated on the plans required to achieve finish grade.
  - 2. Place material in lifts of two (2) to three (3) inches and lightly compact until an optimum compaction between eight five (85) and ninety (90) percent is achieved on a standard proctor test (ASTM D689-07).
  - 3. Scarify between lifts to ensure bonding between lifts.
  - 4. Wet down the area with surface spray of clean water until area appears to be saturated but workable. Within twenty-four (24) hours, roll entire surface with a roller weighing a minimum of two (2) tons. Additional mix shall be added eliminate depressions or uneven surface. Skinned surface

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to be flush with sodded or seeded surface, except in construction of pitcher's mound.

5. Materials shall be finished graded with a laser device that allows accuracy of quarter inch ( $\frac{1}{4}$ " ) in ten feet (10').
6. Add Turface as per manufacturer's recommendations for quantity and installation.

- 3.4 The finished surface of all surfaced areas shall be inspected by the owner and the architect to check for a surface that is smooth and free from any visible dips, humps, bumps or other blemishes which would hinder the removal of water through positive drainage. In the case of discrepancy, a finished elevation survey shall be conducted at the expense of the contractor to assure proper installation.

END OF SECTION