

**SECTION 32 18 23.16
NATURAL BASEBALL FIELD SURFACING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Removal of existing grass, topsoil and correction of grades as necessary.
- B. Natural baseball field surfacing for baseball field.

1.02 RELATED REQUIREMENTS

- A. Section 02 41 00- Site Demolition

1.03 DEFINITIONS

- A. Subgrade: The surface of the ground on which the natural baseball field surfacing is installed.

1.04 SUBMITTALS

- A. See Section 01 33 00 – Submittal Procedures, for submittal procedures.
- B. The Contractor shall submit a sample of the natural baseball field surfacing material, shop drawings, installation detail and all applicable test data (as mentioned herewith) for approval. This submission shall be sent prior to the Pre-start meeting or no later than 45 days after receipt of the Letter of Award.
- C. Product Data: For all manufactured surfacing products, provide manufacturer's product data showing materials of construction, compliance with specified standards, installation procedures, and safety limitations.
- D. Product Data: For natural surfacing materials, provide supplier's certification or mill certificate showing compliance with specified requirements.
- E. Shop Drawings: Detailed scale drawings showing locations and depth of natural baseball field surfacing.
 - 1. Clearly identify base elevations in relation to a fixed survey point on site and to subgrade elevation and depth of natural baseball field surfacing.
 - 2. Show locations of underground utilities, storm-drainage system and irrigation system.
 - 3. Show locations of related construction such as walkways and roadways, fences, site furnishings, and plantings.
- F. Maintenance Data:
 - 1. For natural baseball field surfacing, provide manufacturer's recommended maintenance instructions and list of repair products/procedures, with address and phone number of source of supply.

PART 2 PRODUCTS

2.01 DESIGN CRITERIA

- A. Because the safety of the baseball field depends on strict conformance to the design criteria, this information is provided for Contractor's information.
 - 1. The top elevation of the natural baseball field surfacing is intended to be flush with adjacent grades.

2.02 MATERIALS

- A. The Contractor shall furnish and install natural baseball field surfacing as shown on the Contract Drawings and as set forth in these specifications. Natural baseball field surfacing shall be:
 - B. 1) Diamond Gold Infield Mix, as specified by GreenPro Materials, PO Box 265, Bound Brook NJ 08805, phone 908.647.0159 attn: Michael Stabile or Ashleigh Perrine.
 - C. 2) an equal product.
- D. The natural baseball field surfacing shall be installed by a certified installer, approved by the Supplier.

1. Natural Baseball Field Surfacing shall exhibit the following traits: yellow-orange in color, no separation of materials, all natural materials, and adequate moisture content. The mechanical analysis shall be: Sand 65% to 80%, Silt 6% to 10% and Clay 9% to 13%

PART 3 EXECUTION

3.01 3.01 EXAMINATION

- A. A. Verify that subgrades are at proper elevations and that smooth grading is complete.

3.02 3.02 PREPARATION

- A. A. Correct subgrade irregularities to ensure that required depth of natural baseball field surfacing can be installed, and subgrade elevation is in accordance with manufacturer's requirements.
- B. C. Remove rocks, debris, and other similar items.

3.03 3.03 INSTALLATION

- A. A. The natural baseball field surfacing itself should not create new hazards; hence, all installation shall be done as carefully as possible in a neat and workmanlike manner..

3.04 3.04 SURFACING LAYER

- A. A. Install in accordance with manufacturer's instructions, and requirements of authorities having jurisdiction.
- B. B. Install proper thickness/depth throughout specified area.

3.05 3.05 FIELD QUALITY CONTROL

- A. A. NYCHA or NYCHA's representative will inspect baseball surfacing after installation to verify that surfacing is of proper type and depth and that the baseball field meets specified design requirements.
- B. B. Repair or replace rejected work until compliance is achieved.

3.06 3.06 CLEANING AND PROTECTION

- A. A. Restore adjacent existing areas that have been damaged from the construction.
- B. B. Clean baseball field of construction materials, dirt, stains, filings, and blemishes due to shipment or installation. Clean in accordance with manufacturer's instructions, using cleaning agents as recommended by manufacturer.
- C. C. Clean baseball field of excess construction materials, debris, and waste.
- D. D. Remove excess and waste material and dispose of off-site in accordance with requirements of authorities having jurisdiction.
- E. E. Protect installed products until Substantial Completion.
- F. F. Replace damaged products before Substantial Completion.

END OF SECTION 32 18 23.16