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## **HILLTOPPER® WARNING TRACK MIX FOR BASEBALL OR SOFTBALL FIELD**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

- A. The work of this Section consists of all surfacing work and related items as indicated on the drawings and or as specified herein and includes, but is not limited to, the following items:
  - 1. Hilltopper® Warning Track Mix for baseball or softball field surfacing
- B. Related Sections:
  - 1. Section 02100 – Site Preparation
  - 2. Section 02200 – Earthwork
  - 3. Section 02230 – Granular Materials
- C. General Provisions
  - 1. All of the contract documents, including General and Supplementary Conditions and Division I General Requirements, apply to the work of this Section.
  - 2. Examine all drawings and all other Sections of the Specifications for requirements therein affecting the work of this trade.
  - 3. Coordinate work with that of all those affected by work of this Section. Cooperate with such trades to assure the steady progress of all work under the Contract.

#### **1.2 PERFORMANCE REQUIREMENTS**

- A. The following standards and definitions are applicable to the work of this Section to the extent referenced herein:
  - 1. ASTM: American Society for Testing and Materials.

#### **1.3 PROJECT/SITE CONDITIONS**

- A. Environmental Conditions: Proper drainage is required as Hilltopper® Warning Track Mix drains water laterally off the surface.
- B. Field Measurements: Each bidder is required to visit the site of the work to verify the existing conditions. No adjustments will be made to the Contract Sum for variations in the existing conditions.
  - 1. Where surfacing is indicated to fit with other construction, verify dimensions of other construction by field measurements before proceeding with the work.

#### **1.4 QUALITY ASSURANCE**

- A. Installer Qualifications: Installer to provide evidence to indicate successful experience in installation of Hilltopper® Warning Track Mix or approval by manufacturer.

## **1.5 WARRANTY**

- A. General Warranty: The special warranty specified in this Article shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by the Contractor under requirements of the Contract Documents.
- B. Special Warranty: Submit a written warranty executed by the installer agreeing to repair or replace components of Hilltopper® Warning Track Mix that fail in materials or workmanship within the specified warranty period. Failures include, but are not limited to, the following:
  - 1. Premature wear and tear provided the material is maintained in accordance with manufacturer's written maintenance instructions.
  - 2. Failure of system to meet performance requirements.
- C. Warranty Period: Contractor shall provide warranty that product was installed per specifications upon completion of install.

## **PART 2 - PRODUCTS**

### **2.1 MANUFACTURERS**

- A. Hilltopper® Warning Track Mix is provided by the following manufacturer:
  - 1. Stabilizer Solutions, Inc. 33 South 28<sup>th</sup> St., Phoenix, AZ 85034; phone (602) 225-5900, (800) 336-2468; fax (602) 225-5902; website [www.stabilizersolutions.com](http://www.stabilizersolutions.com); email [info@stabilizersolutions.com](mailto:info@stabilizersolutions.com).

### **2.2 MATERIALS**

- B. Aggregate Specifications
  - 1. Crushed stone shall consist of inert materials that are hard, durable, with stone free from surface coatings and deleterious materials.
  - 2. Dense graded crushed stone base shall be furnished and installed as required and specified under Section 02200, Earthwork and Section 02230 Granular Materials to a 2-3" compacted depth at 95% compaction.

## **PART 3 - EXECUTION**

### **3.1 PREPARATION**

- A. Proper base preparation is essential in the performance of the Hilltopper® Warning Track Mix. Base material should be leveled or laser graded to same grade as Hilltopper® Warning Track Mix. Base material has to be level to ensure Hilltopper® Warning Track Mix is at a uniform depth of 2.5" to 3" across entire field.
- B. Pre-soak base material with water prior to installing Hilltopper® Warning Track Mix and allow to dry. Once dry, compact base to 95% compaction.

### **3.2 BLENDING**

- A. Hilltopper® Warning Track Mix is a solely owned patented process.
- B. Blending procedures are performed only by a licensed Hilltopper® Warning Track Mix blender and can only be sold through licensed Hilltopper® Warning Track Mix Dealers.

### **3.3 PLACEMENT/COMPACTION**

- A. Place Hilltopper® Warning Track Mix at a 2.5” to 3” compacted depth.
- B. Grade Hilltopper® Warning Track Mix with box blade, laser grader or equal. It is recommended to grade or laser grade Hilltopper® Warning Track Mix at .5% slope towards drainage area.
- C. Compact Hilltopper® Warning Track Mix as needed. Installation methods may achieve desired hardness without compacting material. If Hilltopper® Warning Track Mix is too soft or surface contains excessive loose material, compaction is needed.
  - 1. Compaction can be achieved by a 1-ton double-drum roller
  - 2. Compact material making 1 to 2 passes.
  - 3. Use plate compactor, water roller, or hand tamp on edges and hard to get areas.
- D. It is recommended to spread 1 ton of Hilltopper® Conditioner per 1500-1800sqft of Hilltopper® Warning Track Mix. Hilltopper® Conditioner can be used as a loose surface topping for Hilltopper® Warning Track Mix and more can be added for desired looseness. Hilltopper® Conditioner can be spread using a commercial topdresser, box blade or laser grader, or by spreading and mat dragging.

### **3.4 INSPECTION**

- A. Finished surface shall be uniform, solid under foot, with desired amount of loose surface material. Compacted Hilltopper® Warning Track Mix shall be firm to full depth with no soft areas.

### **3.5 YEARLY MAINTENANCE**

- A. Add new Hilltopper® Warning Track Mix as needed.
- B. Rip and till the field 1-2 times a year to bring fresh material to surface. It is recommended to complete tilling work in warmer weather as Hilltopper® Warning Track Mix is harder during colder weather. Avoid tilling base material or any outside soil in with Hilltopper® Warning Track Mix
  - 1. If Hilltopper® Warning Track Mix becomes too compact, it is recommended to add pellet form gypsum and water in at gypsum manufacturer’s recommended rate.
  - 2. Hilltopper® Conditioner can be tilled into the top 1” of Hilltopper® Warning Track Mix to reduce compaction and add more loose surface material. Add at a rate of 1 ton of Hilltopper® Conditioner per 1500-1800sqft of Hilltopper® Warning Track Mix.
  - 3. If more compaction is desired after mechanical compaction, Please contact Stabilizer Solutions Inc. for more information.
- C. After heavy snow, loose surface material may need to be removed to expedite snow melt. In this situation add more Hilltopper® Warning Track Mix or Hilltopper® Conditioner at desired looseness.
- D. Level and compact field as needed with box blade or laser grader.

### **3.6 WEEKLY MAINTENANCE**

- A. Do not contaminate Hilltopper® Warning Track Mix with any outside soils as this will compromise its performance.
- B. It is recommended to line field with spray paint over marking chalk.
- C. Do not use calcined clay or any other amendments other than Hilltopper® Conditioner.
- D. Nail drag at least 1 time per week to a 1/2”- 3/4” depth.

- E. Mat drag surface to level and improve appearance.
- F. Remove debris, such as paper, grass clippings, leaves or other organic material by mechanically blowing or hand raking the surface as needed.

### **3.7 REPAIRS**

- A. Excavate damaged area to the depth of the Hilltopper® Warning Track Mix and square-off sidewalls.
- B. Apply Hilltopper® Warning Track Mix to excavated area to finish grade.
- C. Compact with an 8” to 10” hand tamp or 1000 lb. Roller.