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SECTION 2

HILLTOPPER® MOUND AND HOMEPLATE CLAY – SOFTBALL APPLICATIONS

PART 1 - GENERAL

1.1 SUMMARY

- A. This section includes material and labor requirements for construction with Hilltopper® Mound Clay for the following items:
 - 1. Mounds
 - 2. Homeplate Areas

- B. Related Sections:
 - 1. Section 02100 – Site Preparation
 - 2. Section 02200 – Earthwork
 - 3. Section 02230 – Granular Materials

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 SUBMITTALS

- A. Products Data: Must be approved by Landscape Architect and owner.
- B. Shop Drawings: Show details of installation, including plans and sections.

1.4 PROJECT/SITE CONDITIONS

- A. 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.
- B. Environmental Limitations: Store in a moderate temperature. Hilltopper® can form clods in cold weather. If clods form, set material outside in the sun until it becomes pliable.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Installer to provide evidence to indicate successful experience building mounds, Hilltopper® Mound Clay, or approval by manufacturer.

1.6 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® Mound & Homeplate Clay surfacing 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, provide 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® Mound and Home Plate Clay is provided by the following manufacturer:
 - 1. Stabilizer Solutions, Inc. 33 South 28th St., Phoenix, AZ 85034; phone (602) 225-5900, (800) 336-2468; fax (602) 225-5902; website stabilizersolutions.com; email info@stabilizersolutions.com

2.2 MATERIALS

- A. Hilltopper® Mound and Homeplate Clay
 - 1. Proprietary blend of natural clay and polymer that does not require water or screening.
 - 2. Acceptable local supplier list to be provided by Architect
- B. Tools
 - 1. Tamp, rake, general field maintenance tools.

2.3 BLENDING

- A. Hilltopper® Mound Clay is a solely owned and patented process.
- B. Blending procedures are performed only by a licensed Hilltopper® Mound Clay blender and is only sold through licensed Hilltopper® Mound Clay dealers.

2.4 EXCESS MATERIALS

- A. Provide owner's authorized rep. with the following excess materials for use in future mound or homeplate area repair: 50-lb. bags of the Hilltopper® Mound and Homeplate Clay.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Proper base preparation is essential in the performance of Hilltopper® Mound Clay. Hilltopper® drains laterally off of surface. Base material should be leveled or laser graded to same grade as rest of field.
- B. Pre-soak base material prior to installing Hilltopper® Mound Clay and allow to dry. Then compact base to 95% compaction.

3.2 SOFTBALL PITCHING AREA - NEW BUILD

- A. Set pitching rubber.
 - 1. Standard Field (High School): 40-feet from front of pitching rubber to back tip of homeplate
 - 2. College Field: 43-feet from front of pitching rubber to back tip of the homeplate
 - 3. Skinned Infield: 60-feet from front of pitching rubber to outer edge of infield area.
- B. Measuring 1-foot behind the rubber and 11' in front of the rubber, excavate a 4' X 12' area to a 3-4" depth.
- C. Tamp Hilltopper® Mound Clay and cover with infield mix.
- D. 1-bag per 2-sqft at a 3" depth.
- C. Cover area with infield mix. (Optional)

3.3 SOFTBALL PITCHING AREA – EXISTING

- A. Measure a 4' X 12' area, 1' behind the rubber and 11' in front.
- B. Excavate this area to a 3-4" depth.

3.4 SOFTBALL HOMEPLATE AREA – NEW BUILD

- A. Set homeplate and square it with the pitching rubber.
- B. To treat the complete homeplate area (including batter's and catcher's areas), excavate a 8' X 13' area to a 3-4" depth (approximately: 45 / 50-lb bags).
- C. For batter's box installation, excavate a 3' X 7' area to a 3- 4" depth. For catcher's area, a 4" X 4" area.
 - 1. 4' X 6' Slapping Zone can be installed in front of batter's boxes.
 - 2. 25' to 30' from back of homeplate to backstop.
- D. Lightly moisten area if soil is dry.
- E. Place Hilltopper® Mound Clay in excavated areas in 1 ½ to 2" lifts. Tamp to compact. Repeat process with each layer.
- F. Cover area with infield mix. (Optional)

3.5 SOFTBALL HOMEPLATE AREA – EXISTING

A. Measurements and Installation are the same as “3.4 SOFTBALL HOMEPLATE AREA-NEW BUILD”.

3.6 INSPECTION

A. Finished shall be uniform, solid under foot. Hilltopper® Mound Clay shall be firm to full depth with no soft areas.

3.7 MAINTENANCE

A. Weekly

1. Do not contaminate Hilltopper® Mound Clay with outside soils as it will compromise its performance.
2. Field Lines: It is recommended to use field spray paint over marking chalk.
3. Do not use calcined clay or other amendments with Hilltopper® Mound Clay.
4. Remove debris, such as paper, grass clippings, leaves or other organic material by mechanically blowing, hand raking, or sweeping the surface as needed.

B. Yearly

1. Add new Hilltopper® Mound Clay as needed.
- 2.

3.9 REPAIRS

- A. To patch wear spots thoroughly sweep out the existing material.
- B. Use a shovel to chop the existing Hilltopper® Mound Clay to give it a tooth so the new material will bond with it.
- C. Lightly moisten the existing Hilltopper® Mound Clay.
- D. Add new Hilltopper® Mound Clay and tamp until firmly compacted.

END OF SECTION 2