

SECTION 2

MOUND AND BATTER'S BOX AREAS

PART 1 – GENERAL

1.1 SUMMARY

- A. This section includes the material and labor requirements for construction of a complete pitcher's mound and batter's box surface for the following items:
 - 1. DuraPitch Premium Mound Clay
- B. Related Sections
 - 1. Site Preparation
 - 2. Earthwork

1.2 SUBMITTALS

- A. Product Data: For the product specified, submit a 5-pound 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. Approved Testing Lab: Hummel and Company, Inc.
Attn: Norm Hummel
35 King Street
Trumansburg, NY 14886
607-387-5694

1.3 PROJECT/SITE CONDITIONS

- A. All site work and earthwork shall be performed in accordance with the preceding sections. Furthermore, the compacted subgrade shall be installed in accordance with the final slope and shall mirror finish grade in order to ensure an even depth of material once placement has occurred.
- B. In certain instances, and where warranted, a survey of the subgrade elevations shall occur prior to placement of the material.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Installers of materials specified shall have, at minimum, five successful installations of similar projects and materials. Installers shall be in possession of and demonstrate knowledge of the use of appropriate tools and equipment for the proper compaction and finishing of a pitcher's mound and batter's box area.

- B. Material: If quality control samples are specified, they shall be completed at a rate of one per 250 tons of material delivered to the jobsite. All tests shall be conducted by the lab specified in Section 1.2 (B). All testing will be compared to and be in accordance with the material specifications provided in Section 2.2.

PART 2 – PRODUCT

2.1 MANUFACTURERS

- A. DuraPitch Premium Mound Clay is produced by the following manufacturer:

- 1. Natural Sand Company, Inc.
4783 Harlansburg Rd. Slippery Rock, PA 16057
866-867-0052 (Fax) 724-530-6696
e-mail: info@naturalsand.com
www.naturalsand.com

2.2 MATERIALS

- A. DuraPitch Premium Mound Clay is an engineered soil product which is mechanically mixed offsite in a controlled environment using a pugmill-type mixer. This process ensures thorough mixing of the sand and clay components to exact specifications.

- B. Product Specification

- 1. Mound and batter's box clay is clean, dry clay mixed with washed mason-type sand resulting in a weed-free mix that is reddish brown in color having a yield of 1.75 tons per cubic yard and possessing the following particle size analysis:
 - a. Total sand content shall be 15-28 percent.
 - b. The overall clay content shall be greater than 30 percent.
 - c. The ratio of silt divided by clay, otherwise known as the SCR, shall be 0.75 – 1.25.

Material meeting this specification is DuraPitch Premium Mound Clay as manufactured by Natural Sand Company, Inc., Slippery Rock, Pa., 866-867-0052, or an approved equal.

2.3 EXCESS MATERIALS

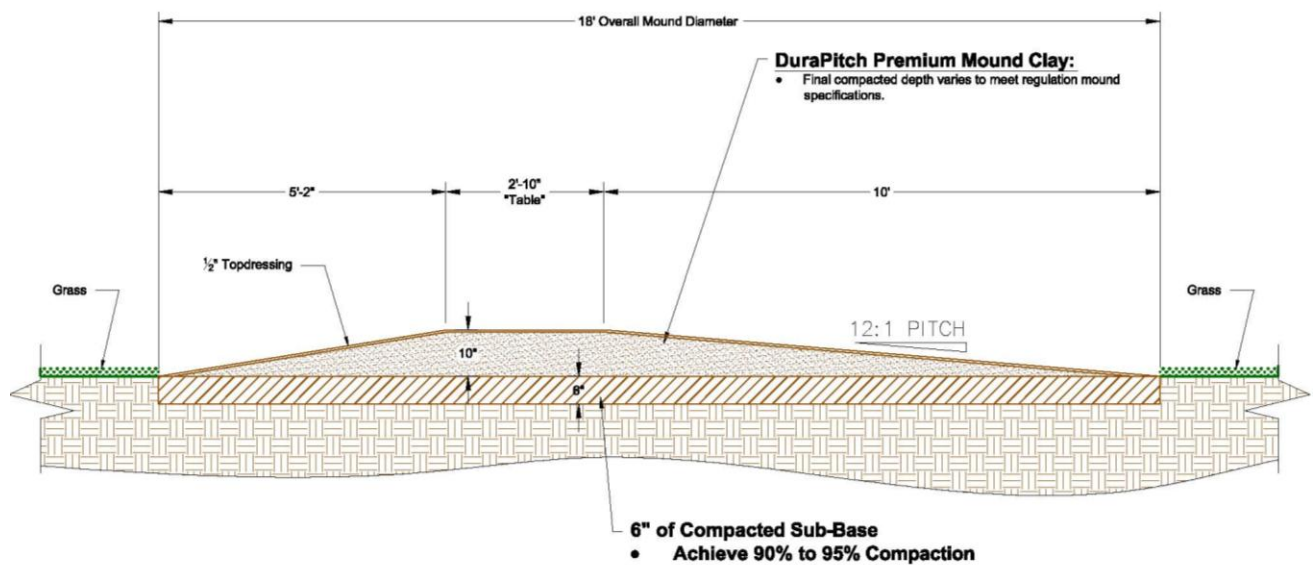
- A. Provide the owners' authorized representative with a 1-ton pallet of material for future use.

PART 3 – EXECUTION

3.1 PLACEMENT

- A. Place the material in lifts of 2 inches and compact with a minimum 1-ton vibratory roller until an optimum compaction between 90 percent and 95 percent is achieved. Scarify the surface to facilitate bonding of the next lift and repeat until finish grade elevation is achieved. Completing this process as described will minimize settling and improve the performance of the product. See diagram in 3.1.C.
- B. Depth of the material shall be 4 inches to 6 inches when finished and compacted. See diagram in 3.1.C.
- C.

Typical Professional Pitching Mound Cross-Section
(looking at the side of the mound)



3.2 Watering

- A. In most cases, the material is delivered with optimum moisture and adding water is not necessary. If unable to achieve optimum compaction, a light application of water may be needed.

3.4 Inspection

- A. The finished surface of the infield shall be smooth and free from any visible dips, humps, bumps or other blemishes which would hinder the removal of water through positive surface drainage. In some instances, and where warranted, a finished elevation survey shall be conducted to assure proper installation.

3.5 Topdressing

- A. Following successful inspection, topdressing shall be applied to the surface for optimum product performance. This topdressing is a calcined clay product and shall be added at a rate of one 50-pound bag per 100 square ft.
- B. Product is Turface Pro League Heritage Red conditioner and is available through Natural Sand Company, Inc., Slippery Rock, Pa., 866-867-0052, and Profile Products LLC, 750 Lake Cook Rd, Suite 440, Buffalo Grove, Ill., 800-207-6457.

End of Section 2