

City of Waltham
Purchasing Department
Waltham, Massachusetts 02452

Dec. 04, 2017

ADDENDUM NO. 5

Plans & Specifications for: Elsie Turner Field & Graverson Playground, Waltham, MA

TO: ALL PLAN HOLDERS

This Addendum No. 5 is to modify, correct and/or supplement the Plans and Specifications.

Bidders are hereby informed that Plans and Specifications for the above-mentioned project are modified, corrected and/or supplemented as follows and that Addendum No. 5 becomes a part of the Contract Documents. Addendum No. 5 consists of Item 1 and attachment.

**THE FOLLOWING REVISIONS ARE MADE A PART OF THIS CONTRACT. RECEIPT OF THIS
ADDENDUM AND ALL ADDENDA MUST BE ACKNOWLEDGED AS RECEIVED IN THE FORM FOR
GENERAL BID SECTION 00310**

ITEM 1: ADD ADDITIONAL SPECIFICATIONS

Elsie Turner: Add attached Specifications Section -2910 Athletic Field Infield Mix to the Contract Documents.

END OF ADDENDUM 5

SECTION 02910

ATHLETIC FIELD INFIELD MIX

PART 1 - GENERAL

1.01 GENERAL PROVISIONS

- A. All of the Contract Documents, including the Contract Form, General Provisions, General Conditions, Supplemental Conditions, and all Attachments to the General Provisions, and Division 1 - General Requirements, apply to the work of this Section.
- B. Contact Dig-Safe (811) seventy-two hours prior to the start of any removals or excavation work, and obtain a Certificate verifying that marking the location of utilities has been completed. Contact the City of Waltham Engineer to verify the location of additional on-site utilities. Coordinate earthwork with utility companies.

1.02 SCOPE OF WORK

- A. Work under this Section shall include all labor, materials, services, equipment, transportation and accessories and the performance of all operations necessary to complete the work of this Section, as indicated on the Contract Drawings and as specified herein.
- B. The work shall include, but is not limited to, the following:
 - 1. Furnishing and installing infield mix.

1.03 REFERENCES

- A. All work shall comply with the minimum standards of the latest editions of the following codes and specifications, subject to modifications and amendments outlined herein.
 - 1. ASTM: American Society of Testing Materials.

1.04 SUBMITTALS

- A. Submit to the Landscape Architect:
 - 1. A representative sample of approximately 5 pounds for infield mix.
 - 2. Supplier's or laboratory sieve analysis for each type of fill material demonstrating compliance with the Specifications, including infield mix .

PART 2 - PRODUCTS

2.01 INFIELD MIX

A. Infield Mix shall be a custom engineered soil product that is mechanically mixed offsite in a controlled environment using a pugmill-type mixer. Infield mix shall be specifically recommended for infield use and shall be equal to Dura-edge "Classic Infield" mix (local distributor: Read Custom Soils 781-828-6300) as follows:

1. Infield mix shall be clean, dry clay mixed with washed mason-type sand resulting in a weed-free mixture that is reddish brown in color having a yield of 1.35 tons per cubic yard when placed loose or 1.5 tons per cubic yard when compacted 85%-90% on a Standard Proctor Test (ASTM D 689-07). The material shall possess the following particle size analysis:

Sand 70-75%

Silt/Clay: 25-30%

Medium Sand: greater than 50%

Silt/Clay ratio: 0.5-1.0

No particles greater than 3 mm.

No more than 5% of the particles shall be retained on the 2 mm sieve.

PART 3 - EXECUTION

3.01 INSTALLTION OF INFIELD MIX

- A. Compact subbase material to 90%. 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. Place the infield mix in lifts of 2 to 3 inches and lightly compact until an optimum compaction between 85 and 90 percent is achieved on a standard proctor test (ASTM D689-07). Scarify the surface to facilitate bonding of the next lift and repeat until finish grade elevation is achieved. If unable to achieve optimum compaction, a light application of water may be needed.
- C. Compacted depth of the material shall be as shown on the Drawings.
- D. Finish grade to slope as shown on the Drawings.
- E. The finished surface of the infield shall be smooth and free from any visible dips, humps, bumps or other blemishes which would hinder removal of water through positive surface drainage. Finished grades within the 100' flood contour which includes the athletic field shall be verified using laser operation survey instruments with a tolerance of $\pm \frac{1}{4}$ ". See Project Closet, Section 01700 for as-built survey requirements of this area.

3.02 PROTECTION AND REPAIR

- A. Protect newly graded areas from traffic and erosion. Keep free of trash and debris.
- B. Where completed compacted areas are disturbed by subsequent construction operations or adverse weather, scarify surface, reshape and compact to required

density prior to further construction.

3.10 CLEANUP

- A. Keep all work areas free from accumulation of debris.
- B. Properly and legally dispose of excavated materials, rubbish, debris, waste materials from, and about the site, including tools, scaffolds, apparatus and appliances used in connection with work under this Section and leave the premises in a clean condition.

END OF SECTION