PART 1 – GENERAL

1.1 SUMMARY

A. This Section includes material and labor requirements for construction with soil stabilizer for the following items:

1. Soil stabilizer for high use turf areas inside the East gate at ETSU stadium.

B. Related Sections:

1. Section 329000 – PLANTING

1.2 SUBMITTALS

A. Shop Drawings: Show details of installation, including plans and sections.

1.3 PROJECT 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.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: Installer to provide evidence to indicate successful experience in installing soil stabilizer.

B. Mock-ups: Install 5 ft. wide x 5 ft. long mock-up of sand and soil mix with stabilized soil at location as directed by owner.

1. Notify Designer 7 days in advance of dates and times when mock-up will be constructed.
2. Obtain Designer's approval of mock-ups before starting construction.
3. Mock-up to be protected through remainder of construction and used as a reference for typical compaction and installation.
4. The mock up area may remain as part of the installed work at the end of the Project.

C. Warranty: Submit a written warranty executed by the installer agreeing to repair or replace components of stabilized 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 provided the material is maintained in accordance with manufacturer's written maintenance instructions.
2. Failure of system to meet performance requirements.

D. Warranty Period: Contractor shall provide warranty for performance of product. Contractor shall warranty installation of product for the time of one year from completion.
E. Contractor shall provide, for a period of sixty days, unconditional maintenance and repairs as required.

PART 2 – PRODUCTS

2.1 SOIL STABILIZER

A. MANUFACTURERS AND MODELS

1. Stabilizer Solutions, Inc. - StaLok Fiber G-400
2. HONEYCOMB CORE CO. - COREgrass 60-40R
3. TYPAR - BodPave 85

3.2 SOIL

A. Soil Mix

1. Per manufacturer’s recommendation.
2. Quality control testing should be performed for every 500-tons of soil delivered to site. Cost is contractor’s responsibility. Soils not meeting requirements must be removed and replaced at contractor’s expense. Contractor is to have representative from manufacturer on site the first day of installation for oversight and to answer any questions.
3. No truck traffic permitted over installation area until final placement and compaction is completed.

B. Equipment

1. Approved rototiller, reverse tiller is preferred (Incorporator, Rotodairon, Blecavator, or equivalent).

PART 3 – EXECUTION

3.1 SUBBASE INSTALLATION

A. Stabilized Soil for Turf

1. Fine grade and compact existing subgrade to 85% compaction (ASTM D698). Surface must be smooth with no wheel ruts.

3.2 ROOTZONE MEDIUM

A. Place 3” of coarse sand over the existing or ripped soil with a loader or dozer. Using a rototiller, blend the coarse sand into soil in creating a 9” modified root zone for the high use turf areas.

3.3 INSTALLATION

A. Per manufacturer’s recommendation.

3.4 WATERING / CONSOLIDATION

A. Add soil amendments, if necessary, based on soil analysis to be provided by contractor. If acceptable, the surface is ready for sod.

3.5 MAINTENANCE

A. Maintain same as normally for un-stabilized grass areas.

END OF SECTION 313423

CONSTRUCTION DOCUMENTS
ISSUED 8-APRIL-16