

**ADDENDUM NO.1**  
SEPTMBER 11, 2014

**FUESSENICH INFIELD IMPROVEMENTS**  
**BID # FII-032-091614**

**TORRINGTON, CONNECTICUT**

SEPTEMBER 11, 2014

MMI #: 1464-15

This Addendum No. 1 includes revisions and clarifications to the Project Manual and along with responses to bidder's questions received prior to 12 noon on Wednesday, September 10, 2014.

**PROJECT MANUAL**

The following modifications are hereby made to the Contract Documents dated August 29, 2014 for the above referenced project. The following documents supersede those documents included in the original projection manual:

- A. Item 5 TOPSOIL PREPARATION AND FINISH GRADE. The specification has been updated to reflect the requirement of amending the existing topsoil with compost to raise the organic matter content from 3.37% to between 4%-8% as called for by the Hummel Soil Test Report located in the Appendix of the project manual. The specification for Topsoil Preparation and Finish Grade has been modified to include a specification for compost material.

**GENERAL**

- A. The Bid forms as provided in the project manual (sheet C-9,10) shall be used for submission of bids. The project will not require the payment of prevailing wage rates if such submitted bid for all work including that of sub-contractors is below \$100,000. If a contractor base bid is below \$100,000 but with Add Alternates is over the \$100,000 threshold and the change will affect pricing, the contractor shall submit two bid forms. One form priced as non-prevailing wage rates, and a second bid form priced for prevailing wage rates.

**RESPONSES TO QUESTIONS**

No questions were submitted.

**THIS ENDS ADDENDUM NO. 1**

## ITEM 5: TOPSOIL PREPARATION AND FINISH GRADING

- 1) Description: Removal and disposal of existing turf, rototilling topsoil in place, amending, importing and spreading of topsoil if required, preparation of finished grade, as shown on the plans or where directed by the Engineer.
- 2) Submittals: Test reports noting the required parameters for materials, source of or manufacturer of materials, samples of materials including compost and topsoil prior to the start of work.
- 3) Material: The topsoil material that is to be used is to have a soil pH range of 6.4-7.5 and soil available phosphorus of greater than 5 lbs. per acre as determined by the modified Morgan extractant. If the soil pH and soil available phosphorus is below 6.4 and 5 lbs. per acre respectively, then agricultural limestone and fertilizer phosphorus are to be added to the topsoil to achieve the minimum above before use.

(The existing field topsoil meets the above pH and phosphorous requirements per testing performed May 8-13<sup>th</sup>, 2013 by Hummel & Co. Inc. Report included as part of project manual.)

Compost shall be derived from organic wastes including sawdust, clean ground wood, leaf and yard residues, and bio-solids that meet all State Environmental Agency requirements. The product shall be well composted, free of viable weed seeds and contain material of a generally humus nature capable of sustaining growth of vegetation, with no materials toxic to plant growth.

Compost shall have the following properties:

<u>Parameters</u>	<u>Range</u>
PH	5.5 – 8.0
Moisture content	35% – 55%
C:N ratio	15 – 30:1
Organic Matter	> 40%
Particle Size	< 3/4 inch
Soluble Salts	< 4.0 mmhos (dS)
Bulk Density	< 1200 lbs/cuyd
Foreign Matter	< 1% by weight

The use of compost will reduce fertilizer requirements. The compost generator shall supply the specifier a nutrient analysis to determine these requirements. Generator shall supply documentation showing state approval for intended use.

- 4) Soil Tests: The Contractor shall inform engineer of location of topsoil borrow and submit samples prior to start of work for the imported topsoil, to be tested for the

following:

Particle size analysis of the topsoil will be determined by ASTM F 1632.

Soil pH and nutrient analysis using the modified Morgan soil test extractant for soil available P, K, Ca and Mg using University of Connecticut, Department of Plant Science, Soil Nutrient Analysis Laboratory.

Organic matter content in the topsoil to be determined by loss of weight on ignition on an overdry sample.

**Imported topsoil is to be a sandy loam per the USDA classification system.**

4) Quality Control

Samples are to be submitted to the University of Connecticut, Department of Plant Science, Soil Nutrient Analysis Laboratory, or another approved and equally accredited laboratory, to determine soil pH, soil nutrients and organic matter content.

5) Construction Methods:

Prior to use of any imported topsoil, the material shall be screened to remove all stones over 3/4 inch in diameter.

The areas on which topsoil is to be placed shall be graded to a reasonably true surface and cleaned of all stones, brickbats, and other kinds of rubbish. Topsoil shall be spread to the depth specified, with due allowance made for settlement. All stones, roots, debris, sod, weeds, and other undesirable material shall be removed from the topsoil. After shaping and grading, all trucks and other equipment shall be excluded from the topsoiled area to prevent excessive compaction. The Contractor shall perform such work as required to provide a friable surface for sod growth prior to sodding, including scarifying/rototilling base and surface prior to the installation of sod.

It shall be the Contractor's responsibility to restore to line, grade, and surface all eroded areas with approved material and to keep topsoiled area in acceptable condition until the completion of the construction work.

Finishing of topsoil shall be performed only when it can be followed within a reasonable time by the sodding operation.

Resupplying of topsoil to eroded or settled areas to finish grade shall be the responsibility of the Contractor. Care shall be taken not to damage turf in the replacement of topsoil.

1464-15-5-au2714-spec-techspecs-ITEM 05 Topsoil Prep and Grade





**Kyle Schultz**  
Project Manager

kyleschultz.corporation@aol.com  
860-302-3261

101 North Riverside Ave  
Terryville, CT

(203) 263-6622  
[www.artisticirrigation.com](http://www.artisticirrigation.com)

Lic# 208730



*Residential • Commercial • Athletic Fields • Tennis Courts  
Golf • Vineyards • Equestrian Rings • Pond Aerators*

**Bob McCarthy** Owner  
[bmccarthy@artisticirrigation.com](mailto:bmccarthy@artisticirrigation.com)

137 Quassuk Road  
Woodbury, CT 06798