

## SECTION 321028

### TOPSOIL

#### PART 1 - GENERAL

##### 1.1 WORK INCLUDED

- A. Furnishing all labor, materials, equipment, and incidentals necessary to furnish, prepare, and spread topsoil, fertilizer, lime, and mulch as specified herein.
- B. Consideration shall be given to City of North Port Code of Ordinances, Chapter 22 Article II, Section 22-57, Timing of Application, Fertilizer and Landscape Management.

##### 1.2 REFERENCE STANDARDS

- A. Florida Department of Transportation (FDOT):
  - 1. Standard Specifications for Road and Bridge Construction (Standard Specifications), latest edition.
  - 2. FDOT FM 1-T 267 – Florida Method of Test of Determination of Organic Content in Soils by Loss on Ignition.
- B. City of North Port:
  - 1. City of North Port Code of Ordinances, Chapter 22 Article II, Section 22-57, Timing of Application, Fertilizer and Landscape Management.

##### 1.3 SUBMITTALS

- A. General: Submit all submittals to the City in accordance with Section 013000, Shop Drawings, Submittals, and Samples.
- B. Required Submittals:
  - 1. Product Data: Product literature showing compliance with the requirements herein and including source/supplier information (as required):
    - a. Topsoil.
    - b. Lime.

- c. Fertilizer.
- d. Mulch.

## PART 2 - PRODUCTS

### 2.1 TOPSOIL

- A. Topsoil shall comply with the requirements of Section 162 – Prepared Soil Layer of the FDOT Standard Specifications for “Finish Soil Layer” and those requirements herein.
- B. Topsoil shall be reasonably free from subsoil, stumps, roots, brush, rock or stones exceeding two inches (2”) in diameter, clay lumps, trash, or other similar objects.
- C. Topsoil shall have a pH between 4.5 and 8.5 and shall have an organic content of 2.5 to 10 percent in accordance with FDOT FM 1-T 267.

### 2.2 LIME

- A. Lime shall be ground dolomite limestone, designated for agricultural use.

### 2.3 FERTILIZER

- A. Fertilizer shall comply with the requirements of Section 982 – Fertilizer of the FDOT Standard Specifications and those requirements herein.
- B. Fertilizer shall be a standard commercial fertilizer containing 12 percent nitrogen, 8 percent phosphoric acid, and 8 percent potassium.
- C. Fertilizer shall comply with the requirements of applicable state and federal laws and Code of the City of North Port Chapter 22 – Environmental and Natural Resources, Article II – Fertilizer and Landscape Management.

### 2.4 MULCH

- A. Mulch shall comply with the requirements of Section 981 – Turf Materials of the FDOT Standard Specifications.

## PART 3 – EXECUTION

### 3.1 PREPARATION OF AREA

- A. Clear stones larger than two inches (2”) in diameter, sticks, and other debris which might interfere with the establishment, growth, or maintenance of acceptable turf and roller the area before applying

fertilizer and limestone.

### 3.2 PLACING TOPSOIL

- A. Evenly spread topsoil prepared area to a uniform depth of 4 inches, after compaction. Spreading shall not be done when the ground or topsoil is excessively wet or otherwise in a condition detrimental to the work. Spreading shall be carried on so that sodding operations can proceed with a minimum of soil preparation or tilling.
- B. After spreading, any large stiff clods and hard lumps shall be broken with a pulverizer or by other effective means and any subsoil, stumps, roots, brush, rock or stones exceeding 2 inches in diameter, clay lumps, trash, or other similar objects shall be removed.
- C. The final topsoil surface shall conform to the required lines, grades, and cross sections.
- D. Any topsoil or other dirt falling upon pavements as a result of hauling or handling of topsoil shall be promptly removed.

### 3.3 PLACING LIME, FERTILIZER, AND MULCH

- A. The rate and method of application of lime, fertilizer, and mulch shall comply with the recommendations of the supplier and the requirements of Code of the City of North Port Chapter 22 – Environmental and Natural Resources, Article II – Fertilizer and Landscape Management

### 3.4 DISPOSAL OF WASTE MATERIALS

- A. The Contractor shall dispose of all material and debris generated by hauling such material and debris away to an approved facility.

END OF SECTION