

SECTION 31 22 19.13 – SPREADING AND GRADING TOPSOIL

PART 1 – GENERAL

1.01 WORK INCLUDED

- A. Place finish grade and compact top soil.

1.02 RELATED WORK

- A. Section 32 01 90.33: Tree and Shrub Preservation
- B. Section 32 90 00 Planting

1.03 PROTECTION

- A. Prevent damage to existing trees to remain, bench marks, pavement, and utility lines. Correct damage at no cost to the Owner.

1.04 QUALITY ASSURANCE

- A. The Owner shall employ a qualified testing laboratory to observe this work and make tests required.
- B. Have topsoil tested and approved before it is moved to the project site.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. Provide topsoil equivalent to Maury silt loam: 12-27% clay, 20-50% sand, 40-68% permeability 2-6 inches per hour, low shrink-swell potential, pH 6.0-7.0. Topsoil to have a minimum 2% organic material.
- B. Topsoil shall be tested for sand, silt and clay percentages, organic content, pH and nutrient content by:

AGRI Systems of Texas, Inc.
15511 Baldswalle
Tomball, TX 77375
(713) 376-4412

or

A & L Agricultural Laboratory
2790 Whitten Rd.
Memphis, TN 38133
(901) 213-2400
(901) 213-2440 (fax)

- C. Topsoil shall be free of live Bermuda grass roots, stones and roots over 1 inch diameter and other foreign matter. Use topsoil stockpiled on site if conforming to these requirements. If inadequate topsoil exists on site, contractor will be responsible for providing additional topsoil.

PART 3 – EXECUTION

3.01 PLACING TOPSOIL

- A. Place topsoil in areas where seeding, sodding, and planting is to be performed. Place to the following minimum depths, up to finished grade elevations:
 - 1. 12 inches for seeded or sodded areas or groundcover beds.
 - 2. 24 inches for shrub beds or tree pits.
- B. Use topsoil in relatively dry state. Place during dry weather:
- C. Fine grade topsoil eliminating rough and low areas to ensure positive drainage. Maintain levels, profiles and contours of sub-grades.
- D. Remove stone, roots, grass, weeds, debris and other foreign material while spreading.
- E. Manually spread topsoil around trees and plants to prevent damage which may be caused by grading equipment.
- F. Lightly compact placed topsoil.

3.02 CLEAN-UP

- A. Upon completion of work of this Section, clean up and leave area free of debris, excess material, and equipment.
- B. Any excess earth shall be removed from the area by the contractor, who shall properly dispose of the material.

END OF SECTION