

**SECTION 02905
TOPSOIL**

PART I: GENERAL

- 1.1 GENERAL REQUIREMENTS
 - A. Furnishing and placing topsoil for finish grading and for seeding, sodding and planting.

- 1.2 MEASUREMENT AND PAYMENT
 - A. Unit Prices:
 - 1. No separate payment shall be made for topsoil under this Section. Include payment in Section 02910 – Hydromulch Seeding or Section 02915 – Sodding.
 - 2. Refer to Section 01270 – Measurement and Payment for unit price procedures.
 - B. Stipulated Price (Lump Sum):
 - 1. If Contract is Stipulated Price Contract, payment for work in this Section is included in Total Stipulated Price.

- 1.3 REFERENCENCES
 - A. CFTS – City of Friendswood Technical Specifications.

PART II: PRODUCTS

- 2.1 TOPSOIL
 - A. Topsoil shall be fertile, friable, natural sandy loam surface soil obtained from excavation or borrow operations having characteristics specified in TABLE 4.1 – TOPSOIL CHARACTERISTICS in this Section.
 - B. Topsoil shall be reasonably free of subsoil, clay lumps, weeds, non-soil materials and other litter or contamination. Topsoil shall not contain roots, stumps and stones larger than two inches (2 In).
 - C. Obtain topsoil from naturally well-drained areas where topsoil occurs at a minimum depth of four inches (4 In) and has similar characteristics to that found at placement site. Do not obtain topsoil from areas infected with growth of or reproductive parts of nut grass or other noxious weeds.

PART III: EXECUTION

- 3.1 EXAMINATION
 - A. Excavate topsoil for esplanades and areas to receive grass or landscaping from areas to be further excavated. Stockpile in area approved by the Project Manager.
 - B. Stockpile topsoil to depth not exceeding eight feet (8 Ft). Cover to protect

from erosion.

3.2 TOPSOIL EXCAVATION

- A. Conform to excavation and stockpiling requirements of Section 02135 – Excavation for Roadway.

3.3 PLACEMENT

- A. Place no topsoil until subgrade has been approved. For areas to be seeded or sodded, scarify or plow existing material to a minimum depth of four inches (4 In) or as indicated on the Drawings. Remove vegetation and foreign inorganic material. Place four inches (4 In) of topsoil on loosened material and roll lightly with appropriate lawn roller to consolidate topsoil.
- B. Increase depth of topsoil to six inches (6 In) when placed over sand bedding and backfill materials specified in Section 02140 – Utility Backfill Materials.
- C. For areas to receive shrubs or trees, excavate existing material and place topsoil to depth and dimensions shown on the Drawings.
- D. Remove spilled topsoil from curbs, gutters and, paved areas and dispose of excess topsoil in accordance with requirements of Section 01580 – Waste Material Disposal.
- E. Place topsoil to promote good drainage and compact with light roller. Water topsoil after placement until saturated for a minimum depth six inches (6 In), fill in and recompact areas of settlement.

3.4 PROTECTION

- A. Protect topsoil from wind and water erosion until planting is completed.

PART IV: TABLES

4.1 TOPSOIL CHARACTERISTICS

TOPSOIL CHARACTERICISTICS	
CHARACTERISTIC	VALUE
pH Value	Between 5.5 and 6.5
Liquid Limit	50 or Less
Plasticity Index	20 or Less
Gradation	Maximum of 10% passing No. 200 Sieve

END OF SECTION