PART 1 - GENERAL

1.01 WORK INCLUDED

A. Finish grade subsoil and proof roll.
B. Place, level, and compact topsoil.

1.02 RELATED WORK

A. Section 01400 - Quality Testing.
B. Section 02211 - Rough Grading
C. Section 02223 - Backfilling.
D. Section 02936 - Seeding: Finish ground cover.

1.03 SAMPLES

A. Submit samples under provisions of Section 01400.
B. Submit sample of topsoil material from onsite stockpile and all off site sources to be used for approval of Engineer.

1.04 PROTECTION

A. Protect landscaping and other features remaining as final work.
B. Protect existing structures, fences, roads, sidewalks, paving, and curbs.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Friable screened loam; free of subsoil, roots, grass, excessive amount of weeds, stone, and foreign matter; acidity range (pH) of 5.5 to 7.5; containing a minimum of 4 percent and a maximum of 25 percent organic matter, maximum soluble salt content of 500 ppm, maximum of 5% by volume of extraneous material exceeding 2 inches in diameter.
PART 3 - EXECUTION

3.01 INSPECTION

A. Verify site conditions and note irregularities affecting work of this Section.
B. Beginning work of this Section means acceptance of existing conditions.

3.02 SUBSOIL PREPARATION

A. Eliminate uneven areas and low spots. Remove debris, roots, branches, stones, in excess of 1/2 inch in size. Remove subsoil contaminated with petroleum products.
B. Scarify subgrade to depth of 3 inches where topsoil is scheduled. Scarify in areas where equipment used for hauling and spreading topsoil has compacted subsoil.

3.03 PLACING TOPSOIL

A. Place topsoil in areas where seeding, sodding, and/or planting is scheduled at depths shown in details.
B. Use topsoil in a relatively dry state. Place during dry weather. Do not place on frozen ground.
C. Fine grade topsoil eliminating rough or low areas. Maintain levels, profiles, and contours of grade.
D. Remove stone, roots, grass, weeds, debris, and foreign material while spreading to sizes specified in 3.02.A above.
E. Manually spread topsoil around trees, plants, building, and structure to prevent damage.
F. Roll placed topsoil.
G. Remove surplus subsoil and topsoil from site.
H. Leave stockpile area and site clean and raked, ready to receive landscaping.

3.04 SOIL CONDITIONERS

A. Dolomitic Limestone: ASTM C 602-
B. Aluminum Sulphate: Standard commercial grade.
C. Peat: FS Q-P-166, Type 1, Class B.
D. Perlite: Standard horticultural grade.
E. Manure: Rotted a minimum of 6 months.

F. Sawdust: Rotted a minimum of 24 months.

G. Pesticides: As recommended by Department of Agriculture/Pesticide Control Board.

H. Fertilizer:
   1. FS 0-F-241, Type 1, Grade B
   2. Available nutrients, % by weight.
      a. 10 N
      b. 6 P2O5
      C. 4 K2O

I. Water: Harmless to plant growth.

J. Soil conditioners to be used as an amendment to the topsoil to enhance grass growth, not solely as a topsoil material.

3.05 TOLERANCES

   A. Top of Topsoil: Plus or minus ½ inch.

3.06 SCHEDULE OF LOCATIONS

   A. The following paragraphs identify compacted topsoil thickness for various locations.

      1. Refer to plan details sheet