

162 FINISH SOIL LAYER.
(REV 5-28-02) (FA 7-12-02) (1-03)

SECTION 162 (Pages 169-171) is deleted and the following substituted:

SECTION 162
FINISH SOIL LAYER

162-1 Description.

Prepare a 6 inch [150 mm] thick layer of mixed material favorable to grass growth over areas of the project which are to be seeded, seeded and mulched, or planted, by applying and mixing in a muck blanket, topsoil, compost or commercially available supplements. Use the mixed material in areas to be sodded, when called for in the plans.

162-2 Materials.

Meet the requirements of Section 987.

162-3 Ownership of Surplus Materials.

The Department will retain ownership of all materials suitable for construction of the finish soil layer until the final job requirements have been fulfilled. Unless otherwise provided by the Contract Documents, take ownership of any surplus materials then remaining and not needed for job requirements and dispose of, outside the right-of-way, to the Engineer's satisfaction.

In urban or other areas where temporary storage of apparent surplus materials within the right-of-way may be impracticable, the materials may be stockpiled outside the right-of-way in areas provided by the Contractor until needed on the project or declared surplus. With the Engineer's written approval, the Contractor may dispose of excess material with the stipulation that any portion required to fulfill job requirements will be replaced with equally suitable material at no cost to the Department.

No extra compensation is allowed for any rehandling involved under the provisions of this Subarticle.

162-4 Construction Methods.

162-4.1 Preparation of Areas: Prior to the beginning of the work, construct the surface of the earthwork to such lines and elevations that will provide a surface conforming to the plan lines and elevations upon completion of the finish soil operations. Leave the surface of the earthwork in a roughened and loose condition.

Prevent contamination of the finish soil layer material by other construction operations. Remove any contaminated material and replace at no cost to the Department.

162-4.2 Spreading and Mixing: Uniformly spread the necessary material over areas to receive treatment.

After spreading, mix the material with the underlying soil to a combined depth of 6 inches [150 mm]. Continue mixing to provide a uniform finish soil layer true to line and grade. Correct any slippage of this material at no cost to the Department.

Immediately after spreading and mixing, sample and test the top 6 inches [150 mm] at a testing laboratory qualified under 6-9. Test sampled material for organic matter content and pH values in accordance with the requirements of 987. Take samples at a minimum of three samples per shoulder mile [2 kilometers]. For areas less than 1/4 shoulder mile [400 m] in length, one sample is sufficient. When the

source of added material changes, the Engineer will require an additional sample. Test results will be averaged for each shoulder mile [2 kilometers] or increment thereof to determine specification compliance. Out of tolerance individual tests to a minimum of 1% organic content and pH values within an extended range of 4.2 to 8.8 will be allowed.

Do not seed, seed and mulch, or place sod until acceptable values for organic content and pH are obtained.

The Engineer reserves the right to take and test additional samples to determine specification compliance. For failing samples, take and test additional samples, as directed by the Engineer, to delineate areas that need re-treatment. Perform re-treatment at no additional cost to the Department.

Perform additional testing of retreated areas, at locations directed by the Engineer, to determine specification compliance.

The sampling and testing frequency may be reduced to three samples per 2 shoulder miles [4 kilometers] if the test results, when averaged, meet the specification requirements for three consecutive shoulder miles [6 kilometers]. Sampling and testing will revert to the original frequency of three samples per each shoulder mile [2 kilometers] if the Contractor's or the Department's tested samples do not meet specification requirements.

162-5 Method of Measurement.

The quantity to be paid for will be the area, in square yards [square meters], for the finish soil layer meeting the requirements of 162-2, completed and accepted.

162-6 Basis of Payment.

Prices and payments will be full compensation for completing all work specified in this Section, including hauling any material from the project right-of-way, designated borrow areas, other sources as may be provided by the Contractor, or any combination of the above; furnishing any materials required to meet the required organic levels; and mixing, grading, and/or leveling as required to provide a relatively uniform homogeneous mix throughout the 6 inches [150 mm] within the prescribed lines and grades.

Payment will be made under:

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| Item No. 162- 3- | Finish Soil Layer - per square yard. |
| Item No. 2162- 3- | Finish Soil Layer - per square meter. |