

**DECATUR COUNTY
CONSTRUCTION & DEVELOPMENT
STANDARDS MANUAL**

**SECTION 02902
LANDSCAPING FOR UTILITIES**

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1.00 General

1.01 Description

- A. Furnish and install topsoil, fertilizer, seed, mulch, sod, trees, bushes, ornamental plants, fencing, mail boxes, planters, and related items necessary to complete work shown or specified.
- B. The Contractor shall repair or replace lawn areas, trees, and ornamental plants damaged or destroyed during construction.
- C. Lawn areas include grass areas, which are cut and maintained on a routine basis. Lawn areas include lawns at homes and businesses and grass shoulders of streets, roads, and highways.
- D. Replacement of underbrush in fields and woods, along farm fences and roads and in similar areas is not required, unless otherwise shown on the drawings.

1.02 Job Conditions

- A. Seed between March 15 and June 1 and between August 15 and November 1. Do not sow seed during adverse weather conditions. Do not broadcast seed during high wind. Do not sow seed when the moisture content of the soil is too low or too high for seed germination.
- B. The Contractor shall employ a local nurseryman to direct the removal and replanting of shrubs, bushes, small trees and other landscaping items within the area to be disturbed by the construction. The landscaping items shall be balled in burlap or otherwise protected for replanting.

2.00 Products

2.01 Lawn Products

- A. Limestone shall be agricultural grade with a minimum total neutralizing power of 90. At least 40% of the limestone shall pass a No. 100 sieve, and at least 90% shall pass a No. 8 sieve.
- B. Fertilizer shall be 15-15-15 grade.
- C. Seed mix shall be as follows:

<u>Seed Description</u>	<u>Percent by Weight</u>
Kentucky Blue Grass (Poa Prateusis)	35 to 40
Kentucky 31 Fecuse (Festuca Arundinacea Var. KY 31)	30 to 35
Perennial Rye (lolium multiflorm)	30 to 35

- 1. Seed shall not contain more than 5% inert matter. Seed shall not contain objectionable weeds.
- D. Mulch shall be straw or wood fiber. Straw shall be thrashed straw of cereal grain such as oats, wheat, barley, rye, and rice. Mulch shall not contain objectionable weed seeds or other material that might be detrimental to the planting being established.

E. Asphalt adhesive shall be emulsified asphalt. Adhesive shall meet the requirements of ASTM D977 for Grade SS-1.

2.02 Top Soil

A. A minimum of 6 inches of topsoil free of rocks, stones, limbs, roots and debris shall be placed before seeding or sodding.

2.03 Fence and Other Products

A. Replacement fence, mailboxes, planters, and other items shall be new and unused. Fence, mailboxes, planters, and other items shall be the same type as the items removed. Fence, mailboxes, planters, and other items shall be of equal quality to the items removed when the items removed were new.

3.00 Execution

3.01 Grading

A. Fine grade all non-paved areas disturbed during construction. Areas shall be smooth and uniform. Finish elevations and grades shall be the same as elevations and grades prior to construction, unless otherwise shown on the drawings.

3.02 Seeding

A. Loosen the seed bed, if not loose, to a depth of from 1 to 2 inches below finished grade.

B. Seeds and fertilizers can be sown with standard agricultural drills. Grass seeds may be sown broadcast or with a special seeder attachment on agricultural drills, but shall not be covered with more than ½ inch of soil, whether drilled or raked in. If not covered by the drill all uncovered seed shall, immediately after sowing, be slightly raked or harrowed to cover the seed.

C. Apply fertilizer in the amount of 20 pounds per 1,000 square feet.

D. Sow grass seed at the rate of not less than four pounds per 1,000 square feet.

E. Apply adequate mulching material following seeding and fertilizing.

F. Keep seeded and fertilized areas adequately watered until germination of all seed is completed and uniform grass cover is accomplished.

3.03 Protection, Removal and Replacement of Landscaping

A. Prior to the start of the sewer or water main construction, the Contractor shall employ a local nurseryman to inventory the shrubs, bushes, small trees (4 inches in diameter and smaller) and other landscape items within the area likely to be disturbed during construction.

B. The landscape items shall be removed ahead of the construction and protected by balling in burlap or other means at the direction of the nurseryman.

C. After installation of the sewer or water main and back filling and final grading of the disturbed area to the original contour, the landscape items shall be replanted at the direction of the nurseryman.

D. Landscape items in close vicinity to the construction, which because of their size cannot be removed and replanted, shall be protected as directed by the nurseryman.

E. Landscape items removed and replanted or items protected which do not survive for the warranty period of the contract one year after final completion documents are signed, shall be replaced in kind, in so far as practical, by the Contractor. Items which, cannot be replaced in kind due to size, shall be compensated for.

F. No additional payment shall be awarded for the protection, removal and replanting of landscape items but said costs shall be included in the unit costs for sewer and water main listed on the Itemized Proposal.

3.04 Fencing and Other Restoration

A. Locate fences, mailboxes, planters, and other items in the same location that the item had been prior to construction. Erect wire and board fences plumb and on straight lines. Set mailboxes, post, poles, and similar items plumb. Restore planters and similar items to the same shape the items had been prior to construction.

B. Wire fences shall have the proper tension for the type of wire fence restored. Other fences and items shall be properly erected or constructed.

3.05 Clean-up

A. Clean up the job site following landscaping. Remove rubbish, excess materials, temporary structures, and equipment. Leave the work in a neat and presentable condition.

End of Section 02902