

Removal of existing topsoil salvaged from within the lines of improvement will be measured for payment in accordance with Section 203.18. The depth of the salvaged topsoil to be included for payment shall be the depth authorized. There will be no deduction from borrow quantities resulting from the authorized excavation of salvaged topsoil.

615.06 Basis of Payment The accepted quantities of loam will be paid for at the contract unit price per cubic meter [cubic yard] complete in place. Existing topsoil removed from within the lines of improvement and stockpiled for later use as loam will be paid for under Pay Item 203.20, Common Excavation, after removal and stockpiling, and will be paid for under Pay Item 615.07, Loam, when placed in its final position. Grading surplus topsoil, salvaged but not required for use on slopes as loam, will be paid for under the appropriate items of Section 631 - Equipment Rental, Section 618 - Seeding, and Section 619 - Mulch.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
615.07 Loam	cubic meter [Cubic Yard]
615.0701 Loam - Plan Quantity	cubic meter [Cubic Yard]

SECTION 616 - SODDING

616.01 Description This work shall consist of furnishing and placing approved live sod on a bed of friable soil for the replacement of lawns or other areas called for on the plans or authorized.

616.02 Materials Materials shall meet the requirements in the following Sections of Division 700 - Materials:

Fertilizer	717.01(b)
Agricultural Ground Limestone	717.02

Sod may be either field sod or cultivated sod.

Field sod shall consist of a dense, well-rooted, vigorous growth of turf forming perennials indigenous to the locality where it is to be used. Field sod shall be taken from approved sources where the sod will not break or crumble during cutting, transporting and laying. Field sod shall be reasonably free from noxious weeds, large stones, tree roots, or other materials harmful to growth or subsequent maintenance of the sod. Field sod shall be cut to a uniform thickness of not less than 50 mm [2 in].

Cultivated sod shall consist of a Kentucky Bluegrass/Red Fescue turf obtained from an approved commercial sod farm and shall be substantially free from objectionable grassy and broadleaf weeds. Cultivated sod shall be cut to a uniform minimum thickness of not less than 12 mm [$\frac{1}{2}$ in].

Pegs for holding sod shall be of approved sound wood and at least 19mm [$\frac{3}{4}$ in] in thickness and at least 200 mm [8 in] in length.

616.03 Cutting and Transporting The area from which sod is to be cut shall be mowed and cleared of excess clippings and other foreign matter shortly before cutting starts. The sod shall be freshly cut with an approved sod cutter into strips of uniform thickness having a minimum width of 300 mm [12 in] and a minimum length of 300 mm [12 in] and transported in an unbroken condition to the area to be sodded. Sod shall be placed in its final position within 24 hours after cutting. No storage of sod will be allowed unless specifically authorized by the Resident. Cut sod shall be protected from drying during the time between cutting and placing.

616.04 Site Preparation Sod shall be placed over 50mm [2 in] of moist loam in accordance with Section 615. The areas to be sodded shall be brought to the grades shown on the plans, allowing for the thickness of the sod. Areas to be sodded shall be cleared of stones, roots, clods, and other debris that might interfere with laying sod or subsequent maintenance of the sodded area. The fertilizer and agricultural ground limestone shall be applied to the soil by a mechanical spreader or other approved method capable of maintaining a uniform, measurable rate of application. The fertilizer and limestone shall not be applied simultaneously. Fertilizer and limestone shall be applied before laying sod, at the rate of 1.8 kg/100m² [4 lb/1000 ft²] for fertilizer and 6 kg/100 m² [13 lb/1000 ft²] for limestone. On hard packed soil, the areas under preparation shall be scarified or otherwise loosened to a depth of at least 50 mm [2 in] before placing loam

and laying sod, unless otherwise directed.

616.05 Laying Sod Sod shall be moist when laid and shall be placed on a moist soil bed. The sod shall be placed at a right angle to the slope, commencing at the lower end and tightly fitted, edge to edge, to provide a uniform surface. Transverse joints shall be staggered. Sod shall be fitted to produce a tight surface without gaps.

The sod shall be compacted and bonded to the soil with an approved tamper or light roller. After tamping or rolling, the sod shall have a smooth, even surface free from humps and depressions.

Unless otherwise directed, on areas with a gradient of 2 horizontal to 1 vertical or steeper, the sod shall be anchored with wooden pegs. The pegs shall be spaced no more than 600 mm [2 ft] apart in any direction and driven through the sod into the ground perpendicular to the ground surface. The top of the pegs shall be driven flush with the surface of the sod.

The Contractor shall water the sod as necessary and shall insure continued growth of the sod. Sod not surviving for 3 months after installation shall be removed and replaced by the contractor at their expense.

Frozen sod shall not be used nor shall sod be placed on frozen soil.

616.06 Method of Measurement Sodding will be measured by the square meter [square feet], measured along the slope, complete in place, or as otherwise directed.

616.07 Basis of Payment The accepted quantities of sodding will be paid for at the contract unit price per square meter [square yard] completed and accepted in place, which shall include supplying and installing sod, fertilizer, limestone and watering. Necessary excavation for placing sod will not be paid for separately but will be considered incidental to the contract unit price for sodding.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
616.08 Sodding	square meter [Square Yard]