

# FORM 635



GOVERNMENT OF NEWFOUNDLAND AND LABRADOR  
Department of Transportation and Works  
Highway Design Division

## SECTION 635 LIME FOR HYDROSEEDING

### INDEX

#### 635.01 SCOPE

#### 635.02 MATERIALS

#### 635.03 PREPARATION OF SURFACE

#### 635.04 LIMING OPERATIONS

#### 635.05 PROTECTION OF ENVIRONMENT

#### 635.06 MEASUREMENT FOR PAYMENT

#### 635.07 BASIS OF PAYMENT

#### 635.01 SCOPE

This section deals with the supply and application of lime prior to hydroseeding operations, including the work of preparing the surface to be limed. Preparing the surface involves grading and trimming the surface together with the removal of rocks and debris.

#### 635.02 MATERIALS

Lime shall be agricultural quality lime. The lime shall be free flowing and free of lumps. The Contractor shall supply the lime.

#### 635.03 PREPARATION OF SURFACE

Surfaces that are to be treated with lime shall first be shaped up and graded to prepare the surface for hydroseeding. This work shall consist of such dozer and hand work necessary to restore the ground to the smooth grades that existed prior to erosion, and to remove and dispose of all: other material, rock, boulders and debris that it is necessary to remove in order to prepare the surface for hydroseeding.

This shall apply to all areas to be hydroseeded regardless as to the source of the material. The Contractor may elect to bury this waste on site where feasible and with the Engineer's approval.

For areas over which Soil for hydroseeding is required, the placing and trimming of the Soil for hydroseeding shall be completed before the application of lime may begin.

#### 635.04 LIMING OPERATIONS

The Engineer shall designate the boundaries of areas for lime treatment. These areas will usually include a 300 mm wide overlap over adjoining vegetation so as to eventually provide a continuous cover of vegetation.

No area shall be limed until surface preparation has been completed to the approval of the Engineer.

The lime shall be applied at the even rate of  $0.7 \text{ kg/m}^2$  (7.0 t/ha), or at such other rate, or rates, as the Engineer may designate. The lime shall be applied using the hydroseeding equipment. Spreading by hand will not be allowed.

## **FORM 635**

The lime shall be applied before hydroseeding, in a separate operation from the hydroseeding application.

### **635.05 PROTECTION OF ENVIRONMENT**

The Contractor shall ensure that lime does not contaminate streams or brooks.

Lime has been found to cause corrosion of galvanized metal in guide rail. The Contractor shall take all reasonable care to prevent the contamination of: structures, signs, guide rails, fences, utilities and all such installations. Should contamination by lime occur, then the Contractor shall remove the contaminating lime, to the satisfaction of, and by means approved of by the Engineer.

### **635.06 MEASUREMENT FOR PAYMENT**

Measurement for payment shall be by means of the weight of lime used measured in tonnes rounded to one decimal place.

Where the lime arrives in pre-weighed bags, the weight shall be determined by counting the bags of lime used.

Where the lime arrives in loose form, then the lime shall be weighed at the Contractor's expense.

### **635.07 BASIS OF PAYMENT**

Payment at the contract price for Lime for Hydroseeding shall be compensation in full for all labour, materials and use of equipment to: trim and prepare the surface to be limed, collect debris and rocks, provide all haulage expenses to transport the debris and rocks to a disposal site provided by the Contractor at his own expense, dispose of the debris and rocks, supply the lime, weigh the lime if in loose form, and apply the lime in conformity with this specification.