

Design requirements:

Fresh, clean permanent seed mix per Table 1 of OPSS 572

- .1 Standard Roadside Mix without Clover for easements adjacent to the drain and stockpiles.
- .2 Old Field Mix for easements adjacent to the pond
- .3 Lowland Mix without Clover for drain/pond embankments

Nurse crop seed for seeding and mulching operations to be of best quality, free from disease, weed seeds or other foreign matter and of species indicated by following:

- .1 Straw Mulch - Fall Wheat or Rye Grain.
- .2 Hydraulic Mulches - Italian (Annual) Rye grass.
- .3 Only seeds harvested in preceding season will be accepted.

.4 Fertilizer:

- .1 Fertilizer for seeding and mulching shall be a standard 8-32-16 analysis in granular form.
- .2 Fertilizer for landscaped areas shall be a standard 20-20-20 analysis in granular form.
- .3 Transport to site in weatherproof bags showing weight, analysis and manufacturer's name.

.5 Erosion Control/Revegetation Blanket

***Refer to SP30 - Erosion Control***

**.2 Execution**

.1 Surface Preparation

- .1 Rough grade to lines and levels indicated on Drawings.
- .2 Fine grade areas to receive topsoil to uniform surface.
- .3 Eliminate uneven areas and low spots, ensuring positive drainage. Do not fill depressions with topsoil.
- .4 Remove debris, rocks, vegetation, stones and other coarse matter.

- .4 Plant at minimum depth which permits satisfactory seed coverage, preferably no deeper than 7 mm.
- .5 Sow during calm weather.
- .6 Sow half of required amount of seed in one direction and other half at right angles.
- .7 Harrow the area with light chain link harrows after sowing.
- .8 Roll area with light turf roller after harrowing.
- .9 Apply water if ground is dry. Ensure penetration of at least 25 mm. Sprinkle water with fine spray, avoid washing out of seed. Maintain seeded areas until growth is established.
- .10 Do not perform work under adverse field conditions such as frozen ground, ground covered with snow, ice, standing water or during windy conditions. Seed only during months of April, May, first week of June, last week of August, September, first week of October. Seeding at other times will not be accepted unless the weather is satisfactory to the Engineer.
- .11 **(Deleted)**
- .12 Carry out first mowing of all seeded and sodded areas.
- .13 Repair and reseed all bare spots.
- .14 Refertilize seeded areas after grass reaches a height of 60 mm at a rate of 0.55 kg nitrogen/100 m<sup>2</sup>. Spread evenly and water in well following manufacturers instructions. Postpone fertilizing until following spring if application falls within four week period prior to expected end of local growing period.
- .15 **(Deleted)**

**.3 Maintenance**

- .1 Water seeded areas once every two weeks as required to maintain minimum growth conditions. Watering may have to be more frequent during the summer.
- .2 Weed as required. During the first and second year, this process shall be on a bi-weekly basis.
- .3 Monitor and treat pests/diseases as required. Report to the Municipality of Leamington and obtain approval for recommended treatment.
- .4 Remove garbage and dispose off site.