

CITY OF ONTARIO LANDSCAPE PLANNING DIVISION RECOMMENDATIONS FOR VEGETATED SWALES

Hydro seed mix for irrigated and partially irrigated sites with some standing water

| SEED | LBS/ACRE |
|--|----------|
| ACHILLEA MILLEFOLIUM | 1.0 |
| ESCHSCHOLZIA CAESPITOSA | 1.0 |
| JUNCUS BUFONIUS | 1.0 |
| LEYMUS TRITICOIDES RIO | 6.0 |
| DESCHAMPSIA CESPITOSA | 4.0 |
| FESTUCA RUBRA 'MOLATE' | 10.0 |
| HORDEUM BRACHYANTHERUM | 6.0 |
| MUHLENBERGIA RIGENS | 1.0 |
| MUHLENBERGIA MICROSPERMA | 3.0 |
| HORDEUM DEPRESSUM | 3.0 |
| Seed mix by S & S Seeds 805.684.0436 or approved equal | |

Hydroseeding slurry component for slopes from 3:1 to 2:1

| Product | Application Rate |
|-------------------------------------|------------------|
| Conwed 1000 Wood Fiber Mulch | 2000 lbs/acre |
| Ecology Controls M-Binder/Tack | 200 lbs/acre |
| Biosol Mix 7-2-3 Organic fertilizer | 800 lbs/acre |
| AM 120 Mycorrhizal inoculum | 60 lbs/acre |

Add to slope rolled erosion control netting product (RECP Netting) 20.6 ounce weight per yd², for landscape areas directly receiving pavement run off.

Shrubs from 1- 5 gallon containers should be appropriately planted on the swale side slopes.

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| FESTUCA IDAHOENSIS - Blue Fescue 1' x1' | MUHLENBERGIA RIGENS - Deer Grass 4'x4' |
| FESTUCA MAIREI – Marie's Fescue -2'x2' | CAREX PANSA – California meadow sedge -1'x1' |
| LEYMUS CONDENSATUS - Canyon Prince 4'x3' | LEYMUS TRITICOIDES – Creeping Wild Rye 2'x2' |

Trees from containers 5 to 15 gallons should be appropriately planted on the swale side slopes.

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| QUERCUS AGRIFOLIA – COAST LIVE OAK | locate max. 35' apart. |
| PLATANUS ACERIFOLIA – LONDON PLANE TREE | locate max. 35' apart. |

Soils with low infiltration rates less than 1” per hour shall:

- Excavate an additional 12” deep and add river rock or gravel in the swale bottom lined with filter fabric.
- Vary river rock sizes such as 50% shall be 6” diameter, 30% shall be 9-12” diameter and 20% shall be 15-18” diameter. Use a meandering layout for a more natural appearance, if possible.

Suitable Bioswale soil

General - Topsoil shall be free of roots, clods, or stones larger than 1-inch in the greatest dimension, pockets of coarse sand, noxious weeds, sticks, lumber, brush and other litter. It shall not be infested with nematodes or other undesirable disease-causing organisms such as insects and plant pathogens or any hazardous materials.

Topsoil shall be friable and have sufficient structure in order to give good tilth and aeration to the soil.

Gradation limits - soil shall be a sandy loam. Gravel over ¼-inch in diameter shall be less than 20% by weight. Permeability Rate shall be not less than 1 inch per hour or more than 20 inches per hour.

Soil Organic Matter Content - The desirable range is 3% to 5%. Sufficient soil organic matter shall be present to impart good physical soil properties but not be excessive to cause toxicity or cause excessive reduction in the volume of soil due to decomposition of organic matter.