



TOPSOIL:

Topsoil shall be a fertile, natural loam, capable of sustaining healthy plant growth; containing a minimum of 5% organic matter to a maximum of 25% by volume. Topsoil to be amended with good quality compost to ensure minimum organic content.

Topsoil shall be loose and friable, free of subsoil, clay lumps, stones, roots or any other deleterious material greater than 50mm diameter. Topsoil shall be free of all litter and toxic materials that may be harmful to plant growth. Topsoil containing sod clumps, crabgrass, couchgrass or other noxious weeds is not acceptable. Topsoil shall not be delivered or placed in a frozen or excessively wet condition.

Topsoil acidity / alkalinity shall be in the range of 6.0pH to 7.5pH. Topsoil in excess of 7.5pH shall be amended to reduce alkalinity. Use only products and methods approved by the Town of Aurora.

TOPSOIL TESTING:

Topsoil testing for all topsoil to be utilized for landscape use shall be completed by an accredited agency approved by the Town of Aurora. Topsoil shall be tested to confirm soil type (i.e. percentage of sand, silt, clay and organic content), macro and micronutrient content and pH levels. Test results shall be forwarded to the Town of Aurora Parks Division prior to commencement of topsoil placement. Fertilizers and soil amendments per topsoil test results shall be incorporated at time of topsoil placement or during planting / sodding / seeding operations.

TOPSOIL DEPTH:

The consulting Landscape Architect shall coordinate with civil engineering and site works operations to ensure the minimum depth topsoil is accounted in soil balancing calculations and provided on site.

Topsoil depth requirements are as follows:

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| 1. Storm water management facilities: | 300mm minimum continuous depth. |
| 2. Created or disturbed open space lands, buffers: | 300mm minimum continuous depth. |
| 3. Boulevards (Street Tree locations): | 300mm minimum continuous depth. |
| 4. Shrub Planting Beds: | 500mm minimum continuous depth. |
| 5. Tree Planting Beds: | 600mm minimum continuous depth. |
| 6. Sodded Areas without tree / shrub plantings: | 200mm minimum continuous depth. |
| 7. Residential Lots: | 200mm minimum continuous depth. |

The consulting Landscape Architect shall confirm, in writing to the Town of Aurora, the minimum depth of topsoil placed prior to planting, seeding or sodding operations.

TOPSOIL FOR FEATURE PLANTING AREAS, MEDIANS & TRAFFIC CIRCLES:

Topsoil required for feature planting beds, centre median and traffic circle planting beds shall be imported, screened, triple mix topsoil (consisting of equal parts of good quality topsoil, coarse sand and compost). Imported topsoil shall meet all of the topsoil requirements noted above and shall be approved by the Town of Aurora prior to placement.