

## Site considerations

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### Attributes:

- some species are messy (dropping fruits, leaves, pods) or prone to suckering, pest infestations, wind damage, and require higher levels of maintenance. Is the species slow or fast growing?

### Climate:

- the species must be adapted to local hardiness zones. Also consider microclimatic factors: elevation, aspect, topography and wind/sun exposure.

### Disturbance:

- is the site prone to air pollution, vandalism, mechanical damage, road salts, high winds. Will staking or protective barriers be necessary until the tree is established?

### Diversity:

- avoid planting monocultures or species that are already heavily used in nearby areas. Diversity can help to reduce pest problems.

### Form and Function:

- is the tree intended for shade, screening, seasonal colour; what is the appropriate size or shape of the mature crown?

### Location:

- ample space must be available for the tree when it is **fully mature** to avoid conflicts with pedestrians, buildings, other trees, overhead or underground utility wires, or sidewalk damage. Root barriers may be necessary to avoid lifting of sidewalks or driveways.

**Soil:**

- what is the soil texture (clay/silt/sand/loam), pH, organic matter, levels of compaction. In general, soils in Glenmore tend to be heavy clay; soils in Rutland tend to be rocky and well drained; soils in the Mission area tend to be sandy (sloped areas) or boggy (flat areas).

**Sunlight:**

- is the site exposed to full sun, partial shading, full shade?

**Water:**

- consider the level of the ground water table, soil drainage, presence or absence of irrigation, topography (affecting drainage and available water), amount of soil available (especially for small spaces), expected competition with other trees, grass or plants for water.