

# TIME / line

Concept: This plot of land displays a compressed history of gardens in the St. Lawrence River region.

Encompassing thousands of years of horticultural caretaking along the St. Lawrence river in Canada, Time/Line amalgamates histories of plants and people into a dense ribbon, a timeline of species and communities that elegantly winds through the forest.

The timeline is divided into six distinct eras: First People, Colonizers, Victorians, early Landscape Architecture, current Landscape Architecture, and Future Gardens. Plant varieties are chosen for their true association and importance to people within the given era. At times, maintenance techniques will change the appearance of a particular species along the timeline. Seasonally, and in terms of plant diversity, the shift in species from earlier in the timeline to later in the timeline reveals longer growing seasons, and a wider range of plants and plant types through time.

Play: "Timeframes" are situated throughout the garden and can only be activated by the cooperation of two or more users. The timeframes are beacons, and markers of time, as one transitions from one era of plants into another. They are devices that encourage group collaboration and spontaneous conversation as visitors explore the garden.

## plant list

### First Nations (c.10,000 BC-1780s)

*Thuja occidentalis*, White Cedar, tree  
*Acer saccharum*, Sugar Maple, tree  
*Betula allegheniensis Britt.*, Yellow Birch, tree  
*Juniperus communis*, Ground Juniper, tree  
*Acorus calamus*, Flagroot, or Sweet Flag, herbaceous  
*Coptis trifolia*, Golden Thread, herbaceous  
*Symplocarpus foetidus*, Skunk Cabbage, herbaceous  
*Echinacea*, Echinacea, herbaceous  
*Achillea millefolium*, Common yarrow, herbaceous  
*Sedum roseum; syn. Rhodiola rosea*, Roseroot, herbaceous

### Colonization (approx. 1780s- 1820s)

*Malus pumila*, Apple Tree, crop  
*Pisum sativum*, Peas, crop  
*Apios americana*, Groundnut, herbaceous  
*Brassica oleracea*, Cabbage, crop  
*Lactuca sativa*, Lettuce, herbaceous  
*Allium canadense*, Meadow Garlic, herbaceous  
*Apios americana*, Spring Beauty, herbaceous  
*Lewisia rediviva*, Bitterroot, herbaceous  
*Trifolium wormskioldii*, Springbank Clover, herbaceous  
*Camassia esculenta*, Blue Camas, herbaceous

### Victorian Era (Late 1830s-1900)

*Malus*, Crabapple, tree  
*Prunus*, Prunus (ornamental cherry), tree  
*Rosa*, Rose, shrub  
*Hydrangea*, Hydrangea, shrub  
*Berberis*, Barberry, shrub  
*Paeonia*, Peony, herbaceous  
*Clematis*, Clematis, vine  
*Viola*, Violet, herbaceous  
*Hemerocallis*, Daylily, herbaceous  
*Delphinium*, Delphinium, herbaceous

### Advent of Landscape Architecture (1890s-1940s)

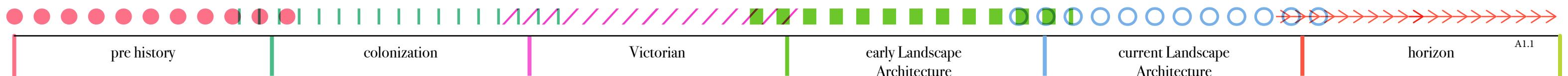
*Crataegus*, Hawthorn, tree  
*Cornus*, Dogwood, tree  
*Potentilla*, Cinquefoil, herbaceous  
*Viburnum*, Viburnum, shrub  
*Salvia*, Salvia, herbaceous  
*Lobelia cardinalis*, Cardinal Flower, herbaceous  
*Aster*, Aster, herbaceous  
*Quercus rubra*, Red oak, tree  
*Betula populifolia*, Gray birch, tree  
*Meconopsis betonicifolia*, Himalayan Blue Poppy, herbaceous

### Expansion of Landscape Architecture and Introduction of Hybrids (1940s-2010s)

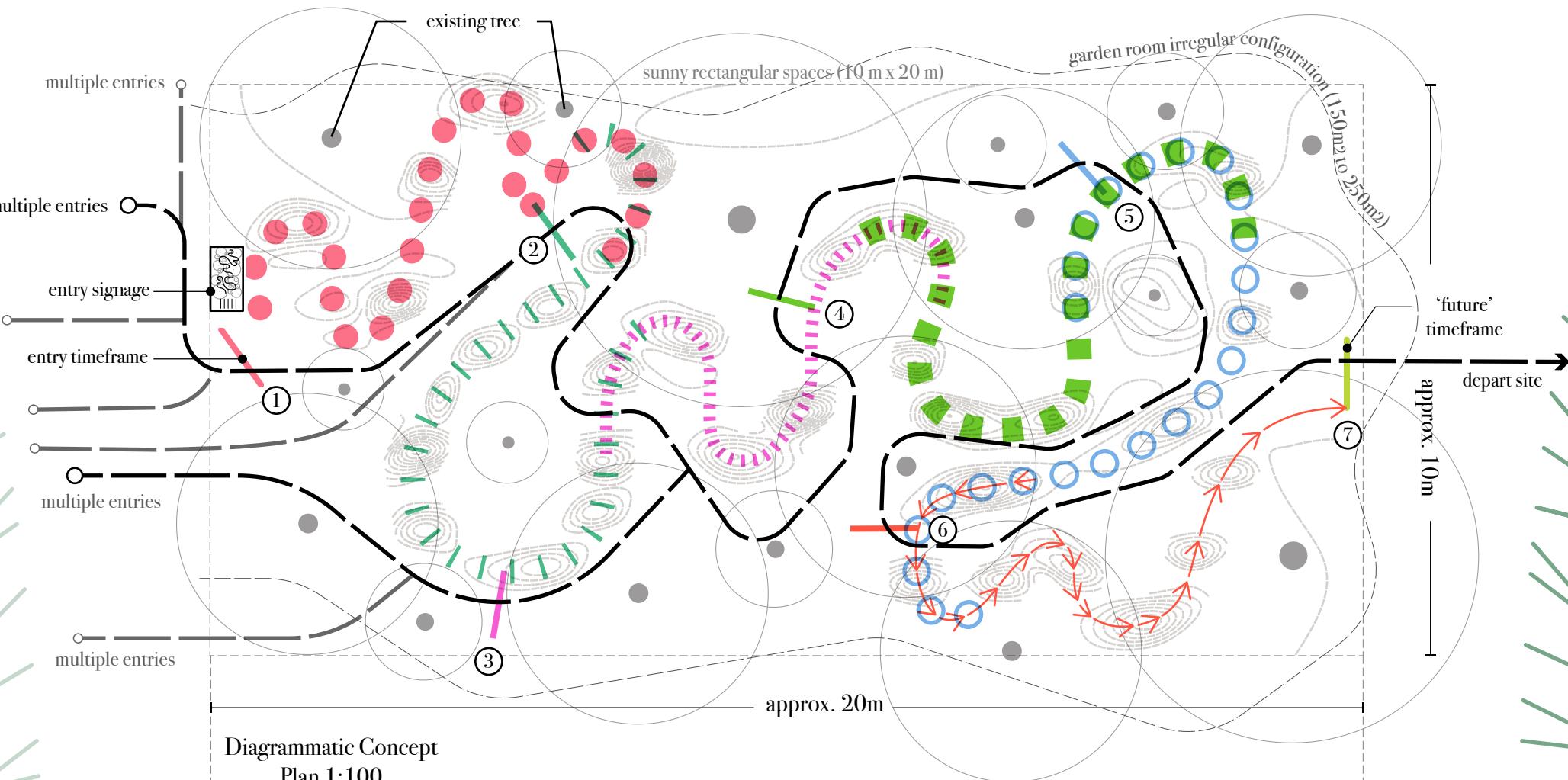
*Hydrangea quercifolia*, Oak Leaf Hydrangea, shrub  
*Caltha palustris*, Marsh Marigold, herbaceous  
*Polygonatum biflorum*, Solomons seal, herbaceous  
*Acer palmatum*, Japanese Maple, tree  
*Gleditsia triacanthos*, Honey Locust, tree  
*Platanus acerifolia*, London Plane Tree, tree  
*Shadblush Amelanchier laevis*, Smooth Serviceberry, shrub  
*Rudbeckia hirta*, Brown eyed susan, herbaceous  
*Achillea millefolium*, Common yarrow, herbaceous  
*Elymus canadensis*, Canada wild rye, grass

### Globalization and Future Natives (1990s-Present and Beyond)

*Rhododendron calendulaceum*, Flame Azalea, shrub  
*Dodecatheon meadia*, Eastern Shooting Star, herbaceous  
*Kalmia latifolia*, Mountain Laurel, shrub  
*Sanguinaria canadensis*, Bloodroot, herbaceous  
*Rhus typhina*, Staghorn Sumac, shrub  
*Sassafras albidum*, Sassafrass, tree  
*Calamondin*, Calamondin, tree (Philippines)  
*Ocimum tenuiflorum*, Tusli, herbaceous (India)  
*Ziziphus jujuba*, Chinese Jujube, Tree (China)  
*Ficus carica*, Fig, tree (Iran)



**Plants:** Species selection is specific to the era at a given point along the compressed timeline. A ribbon of trees anchor the curving line through the forest, or plot, and are surrounded by a dense planting of smaller shrubs, herbaceous, flowers, herbs and many other diverse specimens associated with the historical period. The density of planting, species selection and transitions from one era to another are all scalable devices dependent upon final siting, arrangement and layout. This timeline is broken roughly into plants utilized by First Nations over millennia, foraged and cultivated plants from early European Settlers, the flamboyant displays of the Victorian Era, traditional plants from the advent of landscape architecture, plants derived from the popularization of hybrids in contemporary landscape practice, and new plant communities of the speculative future. This future draws from plants in the Central Appalachians whose range may shift due to climate change, exotic species imported for urban landscape projects, and culinary plants of significance to the ever-expanding melting pot of Canadian Immigration (particularly China, India, Iran, and the Philippines).



Diagrammatic Concept  
Plan 1:100



40'0" (existing trees)  
15'0" (existing trees)  
7'0" (timeframe)  
5'5" (visitor)  
3'10" (visitor)  
1'6" (mounded ground)  
-2'0" (planter boxes + horticultural soil below grade)

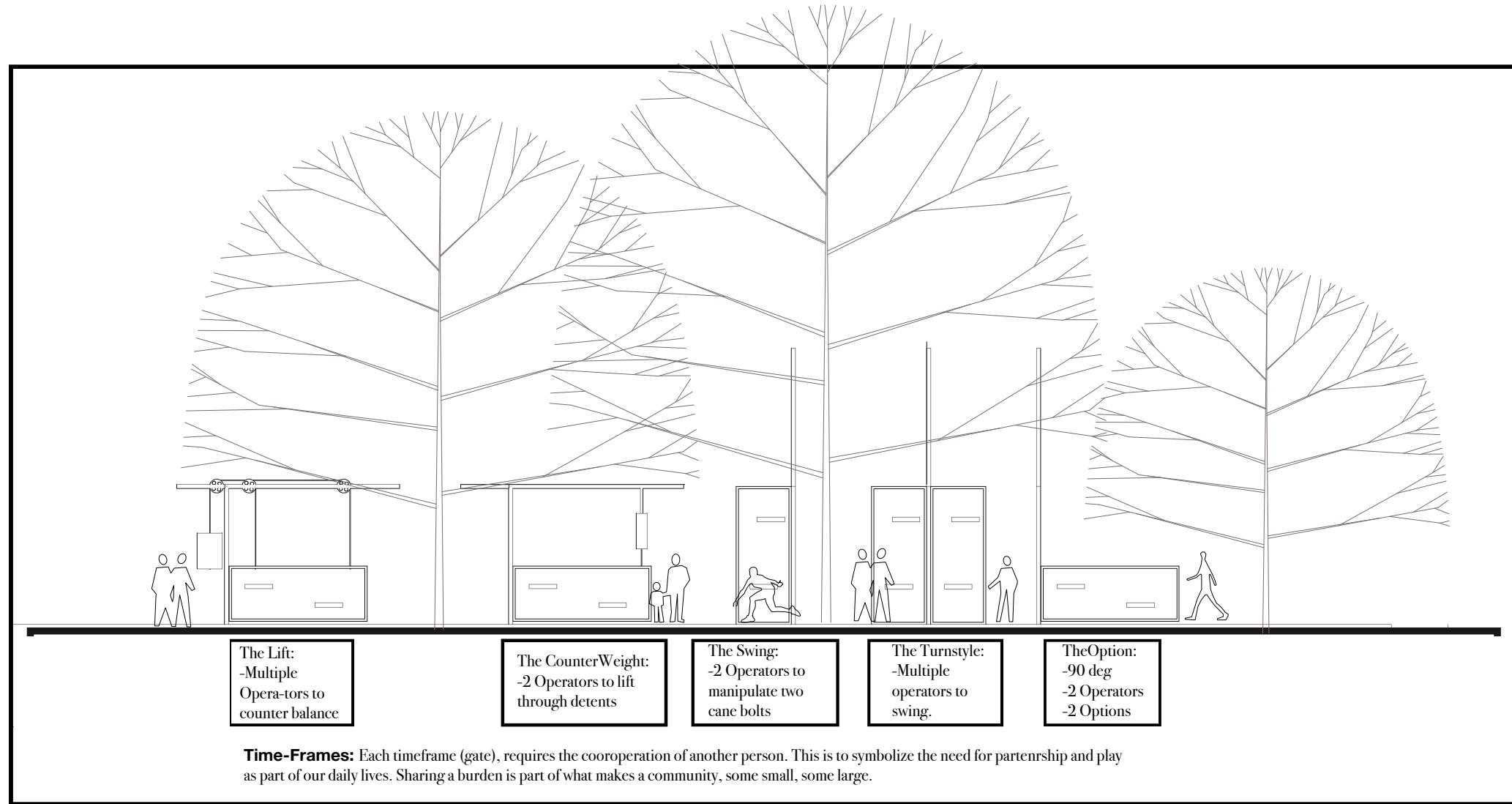
Diagrammatic Concept  
Section 1:100



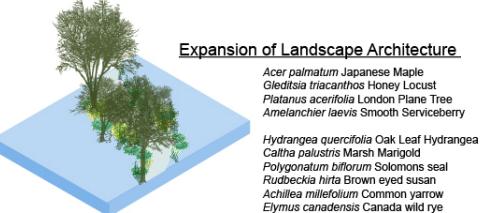
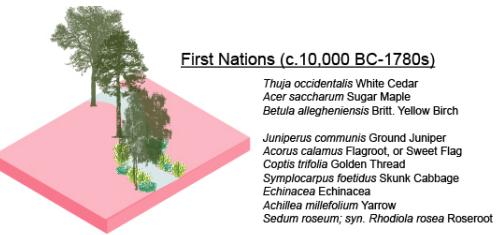
Enlarged Detail Section  
1:100

Materials: Surface materials on the ground change through the representation of time as well. The ground-materials shift as massive areas of texture that loosely correspond with their plant communities. Transitions from one ground material to another happen at the "timeframes".

Subterranean: Along the timeline, the earth is mounded to conceal below-grade simple planter boxes that will house the appropriate horticultural soils for the species above. This topographic playfulness also creates visual interest and provides more legibility to the timeline through the space.



## timeline catalog:



aerial view



perspective view



unrolled section study of timeline plants