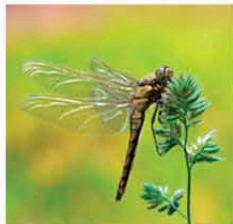
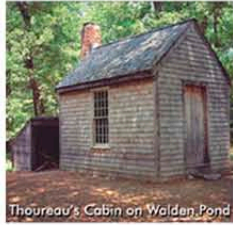
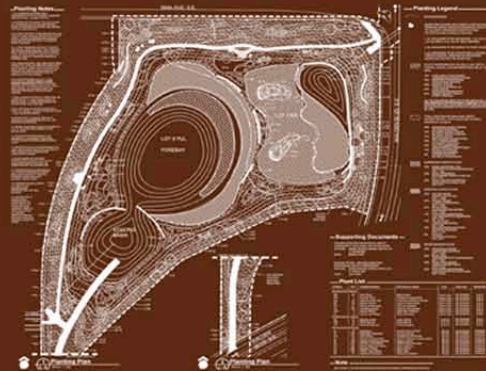


# Walden's Low Impact Development Strategies



## Walden's Philosophy

Walden was envisioned as an environmentally conscious community. To reduce the impact of the development, several Low Impact Development strategies were implemented at the project's inception. Integrated storm water management principals, bio-filtration systems & rain gardens, preservation of native vegetation and wetland reconstruction are among the techniques used to ensure Walden stays true to its founding principals of sustainability



## Constructed Wetlands

Storm water ponds in Walden have been designed as naturalized wetland environments. These wetlands will provide bio-filtration for the community's storm runoff & create valuable habitat for various forms of wildlife



## Preservation of Natural Features

Through careful & innovative community planning, Walden's design ensures the preservation of many natural amenities, such as stands of native aspen and willow as well as pockets of marshland habitat

## Alternative Energy Sources

Natural resources, like our sun, shall provide sustainable energy sources for various community amenities such as pathway & signage lighting



## What is A Rain Garden?

A Rain Garden is a planted depression that collects runoff from impervious urban areas such as roofs, driveways, roads and parking lots. This reduces rain runoff by allowing the surface water to soak into the ground prior to flowing into catch basins & storm drains & ultimately into our rivers and streams. It reduces running surface waters which cause erosion, water pollution and flooding.

By using Rain Gardens we achieve the following benefits:

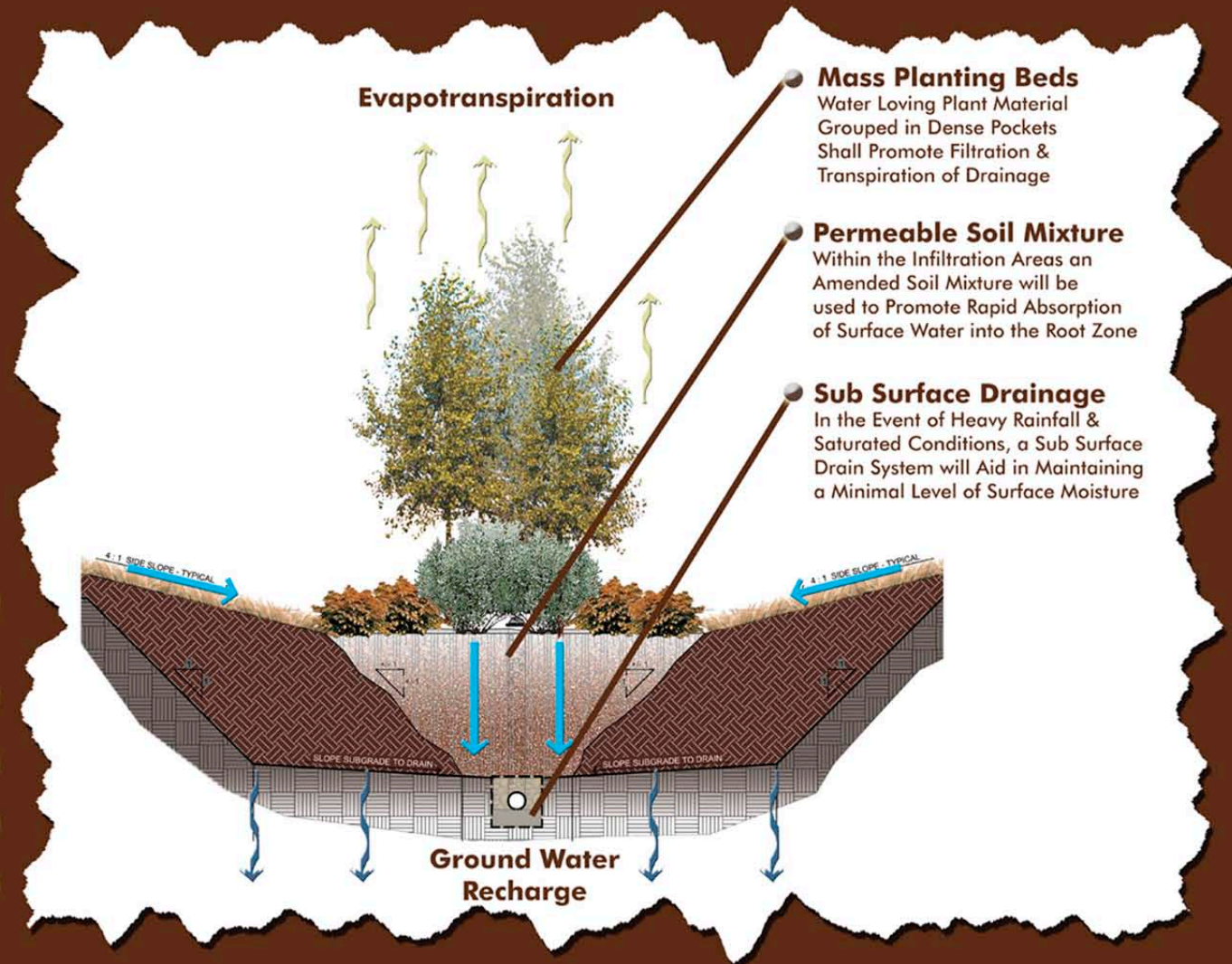
Promote Self Watering of Plant Material thus Reducing Irrigation Requirements

Filter and Clean Storm Water before Reaching our Creeks, Streams and Rivers

Recharge Groundwater

Reduce Demand on City Storm Infrastructure

Reduce Potential for Surface Erosion



### Evapotranspiration

### Mass Planting Beds

Water Loving Plant Material Grouped in Dense Pockets Shall Promote Filtration & Transpiration of Drainage

### Permeable Soil Mixture

Within the Infiltration Areas an Amended Soil Mixture will be used to Promote Rapid Absorption of Surface Water into the Root Zone

### Sub Surface Drainage

In the Event of Heavy Rainfall & Saturated Conditions, a Sub Surface Drain System will Aid in Maintaining a Minimal Level of Surface Moisture

Ground Water Recharge