

Madrona Woods Restoration



Madrona Woods

10+ acres of natural area comprising the steep landslide-prone slopes, ravines, creeks, springs and seeps in Madrona Park, located on Lake Washington's shore in a diverse east-central Seattle neighborhood



Environmental Education



Community



Project Goals

Restore 10+ acres of Madrona Woods to a healthy urban forest, eliminating invasive species, adding native plants and habitat diversity, and encouraging increased use by wildlife and people
 Redesign and rebuild approximately 1/2 - 3/4 miles of trails to be environmentally sustainable, scenic, safe, inviting and as accessible as possible
 Daylight and enhance all creeks, seeps, springs and waterfalls in the Woods
 Involve lots of people of all backgrounds and ages in restoration activities to promote environmental learning, awareness and enjoyment



Design Principles

Above all, be sensitive to the site and its environment
 Reveal and enhance the special qualities of the place
 Keep design ego in check so that in future what was designed and built will look natural and authentic to people as if it's been there forever
 Combat people's fear of the Woods ("nature deficit disorder") by making nature inviting, beautiful, interesting and alive with wildlife
 Field-locate features like trails and creek channels into existing micro-topography for the best physical and visual fit on site and to reduce construction impacts
 Design and build green. Use recycled and sustainable materials and products. Employ low impact construction techniques such as hand-building trail and creek enhancement structures



Trails



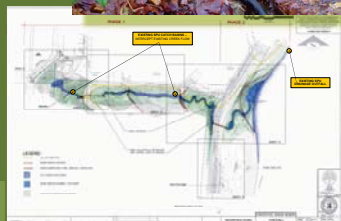
Landscape Architect's Role

Prime Consultant to Friends of Madrona Woods, a non-profit community organization
 Leading volunteers and design team through all phases of planning, design, public process, technical reports, construction documentation, permitting and construction observation
 Writing over 20 grants to fund design and construction of various habitat restoration, trail building and creek daylighting projects
 Assisting with volunteer work parties, including organization, set up and participation as a volunteer
 Teaching classes and lead tours as part of community outreach and environmental education program developed by Friends of Madrona Woods

Urban Forest Restoration



Creek Daylighting



Project Accomplishments

7-8 acres of diverse native forest and riparian habitats restored and enhanced, including the entire 3 acre watershed of Madrona Park Creek
 Approximately 0.4 mile trail system built that is sustainable, scenic, safe, including long flights of box steps. Several trailheads are ADA accessible
 Over 1/4 mile of natural Madrona Park Creek channel daylighted from its headwaters to Lake Washington
 2/3 acre of new native habitat and wetland cove, 400+ lineal feet of natural shoreline and 600 lineal feet of fish-passable channel created adjacent Lake Washington, all providing rearing and refuge habitat for threatened juvenile Chinook and other salmon species
 7 years of hands-on Environmental Education Program conducted in the Woods with schoolchildren from several local elementary and secondary schools
 2 series of "Walks in the Woods" educational tours provided for the general public
 More than 500 volunteers involved in restoration activities
 And we're not done. Habitat restoration, creek enhancement, maintenance and monitoring continue....

Project Significance

Effective Client / Landscape Architect Partnership
 Deep Commitment of the Landscape Architect
 Ego-less Design
 Activism in Landscape Architecture Practice
 Broad Community Support and Involvement

Project
MADRONA WOODS RESTORATION
 Location
MADRONA PARK, SEATTLE, WA
 Client
FRIENDS OF MADRONA WOODS
 Owner
SEATTLE PARKS AND RECREATION DEPARTMENT
 Landscape Architect/Prime Consultant
GRYNOR, INC.
 Subconsultants
PAVE ENGINEERS, INC. (civil/structural)
KLEINFELDER (geotechnical/wetland delineation)
SEATTLE URBAN NATURE (habitat mapping/monitoring)
 Contractors
PACIFIC EARTH WORKS, INC. (crack, cove & culvert construction)
JOSEPH MCKINSTRY CONSTRUCTION CO. (donated pedestrian bridge)
DANNENKO CONSTRUCTION (pedestrian bridge)
 Habitat Restoration Assistance
EARTHSCIPRS
CASCADE LAND CONSERVANCY
GREEN SEATTLE PARTNERSHIP
 Credits
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