Norfolk Street Pond
I-5 HOV Lanes, Seattle
WSDOT 1997

Pond & meandering channel mimic historic Duwamish River oxbows and wetlands and treat highway runoff
Spot Drainage pipe project becomes....

**Linear Park:** Walk-in entrance to Carkeek Park

**Treatment:** Runoff reduced to Piper's Creek by 50 & improves H₂O quality

**Education:** Viewlands students planted natives & hold classes on site

**Habitat:** Songbirds, hawks, garter snakes, coyotes, mountain beaver observed

*Viewlands Cascade Natural Drainage System*

Seattle, WA 2000

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2004 American Government Award, Harvard’ University & 2003 2020 Vision Award, Puget Sound Regional Council
Work with Communities

24th Avenue Landing at Salmon Bay
Public Dock & Beach
Ballard Neighborhood Coalition
1987-2001

Early grass-roots project rebuilt 280' long public dock, restored 90' of shoreline, planted natives & improved pedestrian access at street end with sewer overflow. Entirely community-led & grant funded.
24th Avenue Landing 1987 - 2001

Conceptual plan & built elements incorporate artistic features
Meadowbrook Wetlands & Creek
Seattle, WA
1991 - 1997

Community-led project creates 1/4 mile long wetland & side channel to Thornton Creek. Project provides wildlife habitat, passive recreation, environmental education and creative drainage solution to formerly soggy ballfields.
Meadowbrook Wetlands & Creek
Seattle, WA
1991 – 1997

1993 WASLA Merit Award for Design

Whimsical “Geometry Ponds” conceptual plan & section
Meadowbrook Wetlands & Creek
Seattle, WA
1991 – 1997

Designed & built in phases by volunteers w/ $50K total in grants + pro bono services
Madrona Woods Restoration & Madrona Park Creek Daylighting, Seattle, WA 1998 – present

100% grassroots & grant-funded project restores 12 acre of urban nature. Neglected, invasive-choked woods become inviting, healthy native forest with trails, waterfalls and natural creeks flowing to restored Lake Washington shoreline.
Madrona Woods Restoration & Madrona Park Creek Daylighting
Seattle, WA  1998 – present
Volunteer-power + $1M grants = success
2010 WASLA Honor Award for Design / 2005 WASLA Award for Work in Progress

Madrona Woods Restoration & Madrona Park Creek Daylighting
Seattle, WA  1998 – present
Special Solutions for Public Projects

'Reflective Refuge' @ Meadowbrook Pond
Seattle, WA
1998

10 acre detention/flood control pond, Thornton Creek restoration, habitat creation and art park, downstream of Meadowbrook Wetlands & recent Thornton Creek Confluence project.

Before - abandoned sewage treatment plant

After (same view)
'Reflective Refuge' at Meadowbrook Pond

- a 35th Avenue Entry
- b Earth Sculpture and Perimeter Berms
- c Wetland Mosaic
- d Bridge Trellis
- e Meadow Walk
- f Ridge Walk
- g In-and-Out Trail
- h Meander Trail
- i Overlook and Tufa Railings
- j Reflective Refuge Room
- k Watergate and Water Mirror
- l Sound Mirror
- m Sound Reflector Wall
- n Flood Pool
- o Tufa Cliff
- p Pond Bridge (recycled plastic)
'Reflective Refuge' @ Meadowbrook Pond Seattle, WA 1998

Cherished community asset engages students & citizens in art, culture & ecology

1998 Artistic Merit Award for Excellence in Concrete Construction, Special Applications.
Ravenna Creek Daylighting
Seattle, WA
2006

Removed from sewer system, 860 l.f. of diverse stream channel & wetlands are created. 2.6 acres is re-graded to more natural topography. 4+ acres is revegetated and enhanced with native plants. Pedestrian circulation & art are added. Ballfield is retained. Win for all! Construction cost approx. $1M.
Design successfully negotiated a creative solution acceptable to sports, creek & other interest groups
Thornton Creek Water Quality Channel
Northgate, Seattle
2009
Thornton Creek Water Quality Channel
Northgate, Seattle
2009
Thornton Creek WQ Channel
Northgate, Seattle
2009

2.7 acre urban open space creatively combines water quality & creek daylighting as centerpiece of new mixed-use, transit-oriented neighborhood

2010 WASLA Honor Award for Design / 2009 Outstanding Award, American Society of Civil Engineers
PART TWO to cover:

- Plant Communities, Succession & Restoration-style Planting Plans
- Preventative Maintenance Measures
- Construction
- Post-Construction Maintenance & Monitoring

Meanwhile ponder the questions:

- Can habitat be incorporated into all projects?
- If so, why not more urban habitat solutions?

… to be continued