



**SUSAN BLACK
& ASSOCIATES**
LANDSCAPE
ARCHITECTS

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City of Bainbridge Island Waterfront Park and City Dock Design

Statement of Qualifications
July 15, 2009



Susan Black & Associates
Project Management
Landscape Architecture



KPFF
Civil and Structural Engineering



HARTCROWSER

Hart Crowser
Geotechnical Engineering



Kasprisin Pettinari Design
Architectural Rendering



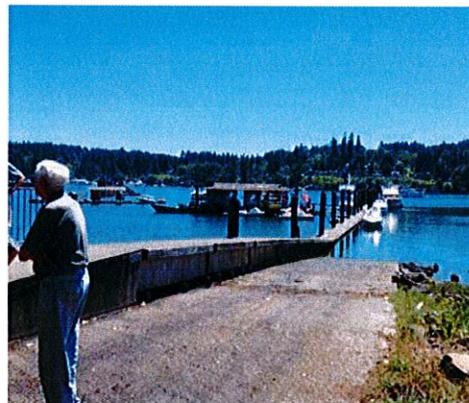
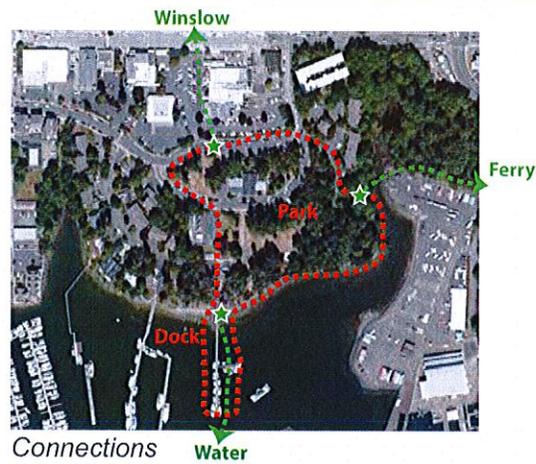
Statement of Interest

The Winslow Waterfront Park Project is an exciting chance to improve the Park grounds and facilities into equal status with other Winslow features and have it participate more fully in the community life of the Island. The park's location on the water and on a busy pedestrian route makes it a transportation node, a home for community activities, and a front door to the island for visitors and commuters. Yet the topography, existing facilities, existing circulation and program are now acting as constraints that need an overall plan that turns them into opportunities for a cohesive, well designed park.

The landform and waterfront of Waterfront Park possess existing land use layers; Existing Facilities, Existing Uses, Circulation Systems (pedestrian and vehicular). Each layer can be seen as a constraint to a well organized, functional, and valued community asset. A new program and schematic plan will address the reorganization, restoration, redevelopment of some of the facilities, circulation systems, and land uses - accompanied by images that also reflect the Winslow/Bainbridge personality and character.

Having grown up on Bainbridge and with a family deeply involved in improving Bainbridge quality of life, I (Susan) look at this project - in combination with the development of amenities at Winslow Way and Highway 304 - as finally bringing the last piece of a town community into place; satisfying the needs of community members, welcoming to pedestrians, bicycle visitors and boaters, accommodating appropriate recreation programs, concerts and festivals, and expressing the sustainable green ethic of the residents and owner.

SB&A, Inc. (Susan Black and Associates) has been designing parks since 1994, and developed some of the most wonderful community spaces in the region; Powell Barnett Park in Seattle, named the best playground in the country by the Disney Corporation in 2011 (5 years after it was built) and Seattle's best park by the Seattle Times in 2006; Whale Tail Park on Alki, named the most imaginative park in the City by the Seattle Times 2008; Maury Is-



View of dock



View of from road

land Waterfront Park, received Outstanding Achievement Award from King County, and West Point at Discovery Park in Seattle, a 1.5 mile beach park with freshwater wetland, won ASLA national awards. The firm specializes in public work.

SB&A's two principals have worked collaboratively on projects for 19 years, and provide outstanding, innovative and sustainable design, clear and integrated team management, accurate project costing, forefront

environmental permitting and fun and stress-free public involvement. Our creative solutions provide focus for community space that is associated with beauty, unusual and unexpected elements, artistic sustainability and sometimes surprise. (see our website, if interested, at www.susanblackandassociates.com.)

“Having been to the park for festivals and concerts with family and friends on Bainbridge Island and having worked with Washington State Ferries at their maintenance facility, Waterfront Park has always seemed like a place that had a lot of potential yet to be realized and being part of that realization is the exciting kind of work that we find very rewarding. Also, KPFF recently completed the design of a pedestrian bridge in the Grand Forest for the City of Bainbridge Island and we would like to continue that relationship.” Andy Bennett, KPFF

Relevant Project Experience

Susan Black & Associates

Susan was a creative force in the design of the landscape at West Point in Discovery Park in Seattle in the late 1980s and early 1990s. This 16-acre waterfront park removed 2000 linear feet of riprap seawall and restored a natural beach with eel grass habitat for juvenile salmon. It also created a one acre back-shore wetland/wonderland from a tiny spring fed creek. The shore edge is now a destination for naturalists tours from the Discovery Park Interpretive Center, as all plants in the 16 acre improvement, including extensive roof gardens, are native.

SB&A prepared a Master Plan for the 400 acre Maury Island Regional Waterfront Park, and Phase I

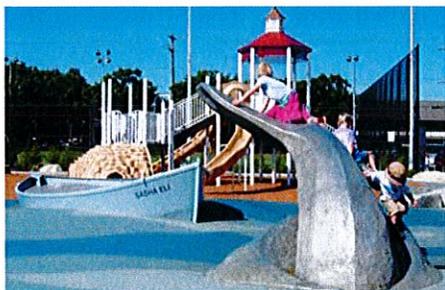
permits and improvements which included dock renovations and permitting. The structure extends 200 ft. out into the Sound, facing south towards Commencement Bay. The park offers 1.5 miles of south facing waterfront and a future diving facility. A few years later, Cascade Conservancy required a plan for the adjacent 300 acre gravel pit.



Cromwell Park Opening Day

SB&A designed Cromwell Park in Shoreline which now accommodates 40% storm water wetland – once dry ballfields – a new bandstand and amphitheater, restrooms, baseball field, basketball courts, playground and walking trails. Lea Hill Park, now in construction in Auburn near Green River Community College, features a picnic shelter, concert amphitheater, play area, basketball, Freegame Soccer field, 200 ft. baseball field and a small skate park. Opening will be October 2013.

SB&A is now preparing to construct a boardwalk system that was recently granted permits. The trail



Whale Tail Park



Thea Foss Waterway



Gene Coulon Memorial Beach Park

will wind through wetlands and open water on Lake Washington. Next door to Center for Urban Horticulture, this neighborhood project will invite birders and visitors to view wildlife while carefully protecting habitats for beaver, birds and fish from the viewers. Permitting for the improvements - with Corps of Engineers, DNR, DOE and City of Seattle, was lead by SB&A and took approximately 1 year.

KPFF and Hart Crowser

Team members KPFF and Hart Crowser are veterans in supporting waterfront park planning and design in the Puget Sound region. Their experience with waterfront and in-water construction has guided master planning efforts as well as developed specific program elements and budget requests. They know that waterfront construction requires contractors with unique knowledge and skills that need to be addressed in developing plans and specifications. Their collaborated designs reflect that understanding. Waterfront and in-water work is of-



Port Angeles Waterfront

ten more expensive than upland work and requires trade-offs and prioritizations during design. The SB&A Team will collaborate with the owner and stakeholders to achieve the correct balance between construction cost, aesthetics, accessibility, safety, service life, and maintenance costs. The team will work to find solutions that are the right fit for this project.

Grant Writing

In public work, SB&A has assisted clients such as Yakima Greenway, Friends of Whale Tail Park, Friends of Yesler Swamp, and Friends of Powell Barnett Park, to identify, apply for and win grants

from public agencies such as RCO and King County. Individually SB&A principals, working with various non-profits in the community, have raised several million dollars for projects that the community desires. Specifically, Susan has been a member of the Arboretum Foundation Board for ten years. She raised several million dollars for implementing the Master Plan and chaired the SR 520 Committee



Powell Barnett Park

to define impacts and negotiate mitigation actions from the bridge replacement with Washington State Department of Transportation. Working with a dozen non-profits over the years, she has experience in grant formulation, evaluation, writing and financial management.

KPFF has specialized experience in putting together projects so that government agencies can benefit from assistance programs such as Puget Sound Recovery Council (PSRC), Recreation and Conservation Office (RCO), Salmon Recovery Funding Board (SRFB), Aquatic Lands Enhancement Account (ALEA) Grants, Block Grants, and Community Volunteer Programs.

In addition to attending various funding workshops, KPFF continually trains project managers in the preparation of planning and design documents for grant program submittals. The KPFF team can provide assistance with grant writing or conduct a grant writing workshop should the City want to develop or expand upon in-house expertise.

"Recent KPFF success in assistance in acquiring funding for public projects is evidenced in the awards of Transportation Investment Generating Economic Recovery (TIGER) and TIB grants for Mercer Street and American Recovery and Reinvestment Act (ARRA) and TIB funding for Spokane Street Viaduct. In addition, KPFF recently assisted the City of Des Moines in the successful award of \$2.16 million from the Federal Highway Bridge Program for the North Twin Bridge. We also helped King County get grants to support the construction of two new passenger-only ferries." Andy Bennett, KPFF

Crowser to make sure the design is compatible with any restrictions on construction methods that are in the permit application.

Hart Crowser acquired a well-known environmental firm several years ago, and since has provided environmental assessment, permit planning, mitigation planning and shoreline management planning to many cities - including Normandy Park for Doug Schultz until his move to Bainbridge. These services are supportive of the geotechnical, structural and civil project planning, and are better for being an integral part of the team collaboration.

State and Local Shoreline Regulations

SB&A has been involved in the preparation of permit applications for waterfront projects around the region including Lake Washington, Cottage Lake, many anadromous fish/spawning streams, West Point, Harbor Island and other sites. On all our projects, developing facility designs consistent with the goals of the shoreline management plan and best practices science leads to successful permit applications and often on expedited timelines. KPFF,



Terminal 18, Port of Seattle



Highline Community College



Hazen High School

too, has assisted in preparing successful permit applications for waterfront projects for clients in the Puget Sound region and beyond. KPFF marina designs, for example, minimize impacts and mitigation requirements by using light-transmitting decking, structures that minimize the number of required piles, and pre-fabricated elements that minimize the amount of in-water and over-water work necessary during construction. KPFF engineers also work closely with the environmental consultant of Hart

Renewable Energy & Sustainable Design

Integration of renewable energy and sustainability concepts into a project has become almost second nature for public projects in the past decade. With increased understanding of the fragility of the natural systems that surround us, and the sources of pollution impacts that can be created by physical improvements, good design requires constant integration of new data, tools, information and

mitigations. SB&A has been in front of this wave since 1994 when they proposed a landscape-led solution to a substantial storm water facility in Des Moines to address runoff from the entire Highline Community College campus. In this case, demanding multiple functions from the same improvement expanded the 15-acre uses by a hundred-fold. And just this winter (2013), SB&A persuaded DOE to allow minor modifications to a forested wetland at Green River Community College to accommo-

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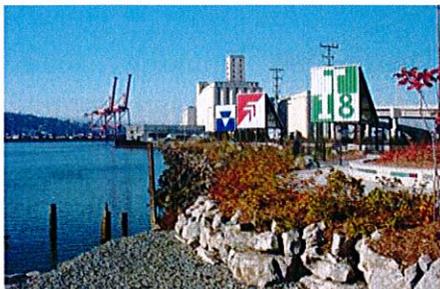
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date slightly more storm water instead of requiring that the forest be clearcut for a “detention” facility. Now that college has some of those same multi-functional features – trails, botany/biology/horticulture education etc. that Highline has.

KPFF is committed to stewardship of the environment and our valuable natural resources. KPFF engineers promote sustainable design through active cross-disciplinary coordination in early meetings where they explore how best to incorporate sustainable design features cost-effectively. The “minimum impact” mind-set inspires creativity, and has resulted in numerous green/sustainable projects. LEED Standards were established for the built environment to measure sustainability. A new group, The Institute for Sustainable Sites, is developing an Envision system for rating infrastructure sustainability. This project may be a good candidate for testing the new system.



*Bellevue Marina and
Clyde Beach Park*

Public Outreach Programs

SB&A has created several Park, Recreation and Open Space Plans and many park designs over the years, all of which require a plan for extensive dialogue with the public. To the SB&A team, an effective outreach and involvement program identifies public concerns and leads to the development of a project that is as responsive as possible to these issues given budgets and other constraints.

The team welcomes public input - particularly early in the design process, so that community comments, thoughts, and suggestions can be incorporated in the design or responded to properly. By communicating with the public throughout the design process, the team will be adjusting the design in concert with their input. This allows us to be responsive to public concerns while avoiding design delays and

major reworking.



Community Dedication Event

The process will have several steps;

1. Discuss/draft outreach plan with project “owners” and key stakeholders
2. Identify target audience and stakeholder groups
3. Hold open house/design charrette to discuss documented site constraints and site opportunities in relation to comments from two previous public meetings
4. Draft/submit Program for the park based on two previous public meetings
5. Hold open house for discussion of final program to be approved
6. Develop conceptual plan and alternatives
7. Present concept plan alternatives to the public for feedback
8. One-on-one meetings with the community members if needed
9. Hold open house to present conceptual plan moving forward to design

Team Description

SB&A is the Prime contractor for the Design, permitting, construction Documents, bidding and construction services for the contract. SB&A will be the primary contact, project manager, and be responsible for the design coordination and improvements. The team will design park improvements including dock conceptual and schematic plans, trails, seawall edges, circulation, vegetation management, building siting and architecture, landscape and building improvements, roads, restrooms and all



Powell Barnett Park Dedication

cost estimates. SB&A will also manage and direct the public outreach process with the client(s) to ensure that input is heard, understood and considered, and that notices and communications with the team, stakeholders and clients are clear and appropriate.

Teaming with SB&A are two very closely connected and highly professional engineering firms that provide a variety of essential support and design services: KPFF and Hart Crowser.

KPFF ENGINEERS

KPFF provides civil and structural engineering and surveying. KPFF is known for outstanding waterfront construction projects including piers and wharves, floating docks and structures, marinas, haul-outs and boat launch facilities. SB&A has worked with KPFF civil engineers on a number of projects for the City of Seattle and selected Low Income Housing clients who seek creative, low cost and green solutions to both civil and landscape code requirements.

The KPFF Waterfront Design team is lead by Andy Bennett, PE, with senior technical support from Kamyar Nikzad, PE. Andy's experience in naval architecture and coastal zone management give him a unique perspective on the relationship between upland and marine activities, which he has used to manage successful projects ranging from a 3,000 foot boardwalk to the design of a new support facility for US Navy submarines. He has proven his

ability to establish collaborative relationships between land owners, managers, designers, engineers, and environmental consultants, which has resulted in successful permit applications for piers, marinas, boat launches, and other waterfront facilities. Kamyar is a waterfront engineer with over 30 years experience and boat ramps, piers, and docks in service across western Washington.

Current projects involving both marina and civil engineering include the Meydenbauer Bay Marina Improvements in downtown Bellevue, marina modifications for Des Moines and Gene Coulon Park engineering services for multi-purpose buildings, restrooms, picnic shelters and other park facilities.

HART CROWSER ENGINEERS

Hart Crowser's Garry Horvitz will oversee geotechnical, environmental and natural resource services. With engineers, geologists and scientists on staff, HC provides necessary support engineering for in-water structures, breakwaters, trails, parking facilities, roads and slope stabilizations, as well as providing permitting services for the projects. HC biologists and permitting specialists are experienced in dealing with complex planning and permitting issues and assist clients with NEPA, SEPA and ESA compliance, and DNR, DOE and Fish and Wildlife impact avoidance and mitigation definition.

Current geotechnical projects include a multi-phase Port Angeles waterfront project infilling community-oriented spaces along 8 blocks of the City's waterfront. Amenities being created include a pile-supported walkway over the water, a new park, plaza areas, a waterfront trail and a re-established beach. HC has been working for several years with the City of Tacoma to create and restore the Thea Foss Waterway Esplanade and Park under the State Superfund cleanup legislation. Monitoring subsequent to construction demonstrates a high degree of shoreline protection and ecological function.

HC's Environmental division worked at Point No Point to develop a Boat Launch in a highly sensitive area of the Sound. For this project, scientists worked collaboratively with designers to optimize fish habitat preservation and other intertidal conditions and minimize development impacts from a new dock and boat launch. The facility as built includes grating over much of the ramp, removed creosote piles and other derelict structures, planning for sediment transport and backshore enhancements. HC's Dianne Hennessey is now working with the City of Normandy Park on their new Shoreline Master Program and providing on-call environmental review for applications to the city. In the case of Normandy Park, shoreline protection is a major issue. Hart Crowser worked closely with DOE guidelines and best available science to recommend modifications to the City's Master Program Update.

Other potential team members:

Ron Kasprisin

Architectural rendering, art, design

Architect

Unselected, preferring to discuss selection with City and Council and select from Bainbridge

Client References

SB&A References

Daryl Faber, Director,

Auburn Parks and Recreation

(253) 931-3043

dfaber@auburnwa.gov

Kit Ledbetter, Parks and Recreation Director

City of SeaTac Parks and Recreation Department

Bus: (206) 973-4671, (206) 973-4800

kledbetter@ci.seatac.wa.us

Carol Arnold, Client,

Friends of Yesler Swamp Trail Foundation,

206-632-2660

carol.s.arnold@gmail.com

KPFF References

Pam Fehrman,

Bellevue Marina and Clyde Beach Swim Pier

City of Bellevue

425- 452-4326

North Shore Recreation Area Boat Launch & Pier

City of Seattle

Eric Friedli

206-684-8369

Grand Forest Pedestrian Bridge

Bainbridge Island Metro Park and Recreation District

Roger Belieu

206-842-3343

Hart Crowser References

Steve Zenovic

Port Angeles Waterfront Improvements

Zenovic & Associates

360-417-0501

steve@zenovic.net

Kristen Kuykendall, PE, Design Engineer

WDFW, Capital Asset Management Program

360-902-8383

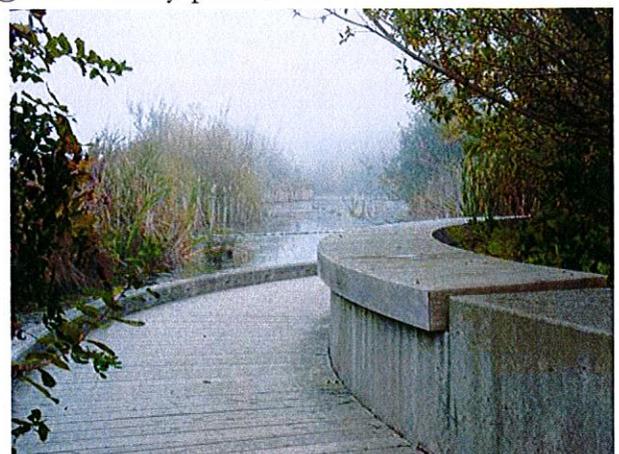
Kristen.kuykendall@dfw.wa.gov

Chad Tibbits, Senior Planner

City of Normandy Park

206-248-7603

chadt@cinormandy-park.wa.us



West Point Welland



SB&A TEAM APPENDIX

SB&A
Landscape Architecture, Project Management
Firm Profile with Relevant Projects

SUSAN BLACK RESUME

CHARLES WARSINSKE RESUME

HART CROWSER
Geotechnical and Environmental
Firm Profile
Relevant projects

GARRY HORVITZ RESUME

DIANE HENNESSEY RESUME

KPFF
Civil, Structural, Survey
Firm Profile and Relevant Projects

ANDREW BENNETT RESUME

DAVID SCHWARTZ RESUME



Susan Black and Associates is a highly experienced and award winning landscape architecture firm founded in 1994 in Seattle. SB&A provides services in landscape architecture, urban design and master land use planning. The principals of the firm are licensed landscape architects and average over 30 years' experience in planning, designing, permitting and developing significant public and private institutional and infrastructure landscape projects. SB&A's professional services includes:

Site Analysis & Master Planning	Planting & Irrigation Design
Environmental Impact Assessment	Mitigation/Wetland/Reclamation/Native Planting
Permitting	Grading and Drainage Design
Land Use Planning & Implementation	Urban Design & Environmental Art
Public Participation	Construction Observation
Construction Documentation & Specification Writing	Cost Estimating

SB&A is skilled and experienced in participating in, managing, and leading complex multi-disciplinary projects. SB&A principals are also experienced in local, state, and federal environmental and other regulatory permitting and processing procedures. They are committed to providing high quality value-added professional landscape architectural and environmental planning services at competitive rates. Due to the length of time the principals have practiced in the region, a wide range of associates and acquaintances in related fields provide SB&A a significant resource base to tailor services to the specific project needs. Institutional, campus, infrastructure design and development projects have brought CADD capability and equipment as well as outstanding illustration and rendering skills to SB&A clients.

Project List (Partial)

Urban Design, Plazas and Environmental Art

- ◆ Uptown Design Guidelines, Landscaped Streets Element, Uptown Alliance, Seattle, WA
- ◆ President's Plaza, Highline Community College, Des Moines, WA
- ◆ UW Katz Memorial and Art School Sculpture Garden, Seattle, WA
- ◆ West Hill Community Center Art Plaza, King County, WA
- ◆ Pacific Lutheran University "Tree of Life" Sculpture/Garden, Tacoma, WA
- ◆ Bates Technical College Central Courtyard, Tacoma, WA
- ◆ Scenic Heights Solstice Park, SPU, Seattle, WA
- ◆ Queen Anne Water Tower Park Design, SPU, Seattle, WA
- ◆ Burien Library Entry Courtyard, Burien, WA
- ◆ Federal Way 320 Library Courtyard, Federal Way, WA
- ◆ Redmond Library Plaza, Redmond, WA

Parks, Recreation, and Aquatic Facility

- ◆ Lea Hill Park, Auburn, WA
- ◆ Haines Wharf Park, Edmonds, WA
- ◆ Whale Tail Park, Seattle, WA
- ◆ Powell Barnett Park, Seattle, WA
- ◆ Lakewood Neighborhood Park, Seattle, WA
- ◆ Harbor Island Park, Seattle, WA
- ◆ Pilchuck Park Master Plan, Snohomish, WA

- ◆ South King County Ballfields Community Park, King County, WA
- ◆ Pendleton Community Park and Ballfield Complex, Pendleton, OR
- ◆ Cottage Lake Park and Community Pool Master Plan and Design Development, King County, WA
- ◆ West Hill Community Center and Landscape Improvements Project, King County, WA
- ◆ Pendleton River Parkway, Master Plan and Brownfield Civic Park, Pendleton, OR
- ◆ Logan Park Ballfield Redevelopment, Snohomish County, WA
- ◆ Maury Island Regional Park, Vashon, Island, WA
- ◆ Woodinville Heights Park Design, Woodinville, WA
- ◆ Marymoor Soccer Field Upgrade, King County DCFM, Seattle, WA
- ◆ Forsgren Park Design, Snohomish County Parks, Everett, WA
- ◆ Preston Park, King County DCFM, Seattle, WA
- ◆ Leavenworth Family Aquatic Center Master Plan and IAC Grant Application, Leavenworth, WA
- ◆ Pendleton Pool Renovation and Family Aquatic Center Feasibility, Master Plan and Design, Pendleton, OR
- ◆ King County Aquatic Center Expansion Project, Federal Way, WA
- ◆ Quincy Aquatic Center Site Feasibility, Master Plan and Site Design, Quincy, WA
- ◆ South Seattle Community College, Soccer Fields, State of Washington, Olympia, WA
- ◆ Long Lake Park and Recreation Plan, Washington Water Power, Spokane, WA
- ◆ South Kitsap School District Track and Stadium Field Project, Kitsap, WA

Historic and Cultural Landscape

- ◆ Fort Lewis Base Housing Landscape Preservation, Equity Residential, Tacoma, WA
- ◆ Des Moines Memorial Drive Corridor Management Plan, King County Transportation, Seattle, WA
- ◆ WWI Memorial Plaza, DMMD, Sunnyside School, Burien, WA
- ◆ State of Washington West Capitol Campus Landscape Restoration Plan Phase I, Olympia, WA
- ◆ University of Washington Arboretum Historic Landmarks Nomination, Seattle, WA
- ◆ Sylvan Grove Restoration, University of Washington, Seattle, WA
- ◆ Island Grove Restoration, University of Washington, Seattle, WA
- ◆ Chase House Restoration, University of Washington, Bothell, WA
- ◆ Promontory Point Landscape Restoration, Magnuson Park, Seattle, WA

Environmental and Conservation Projects

- ◆ Yesler Swamp Boardwalk, Laurelhurst Neighborhood and CUH, Seattle, WA
- ◆ Green River Woodland Detention, Green River CC, Auburn, WA

Institutional Landscape Design and Development

- ◆ West Hill Community Center, King County, WA
- ◆ Highline Community College Campus Landscape Development Planning, Des Moines, WA
- ◆ Highline Community College Surface Water Control Facility Design, Des Moines, WA
- ◆ South Seattle Community College Landscape Development Plan, Seattle, WA
- ◆ Sno-Isle Regional Library Service Center Master Plan and Design, Marysville, WA
- ◆ Redmond Town Center Master Plan, Redmond, WA
- ◆ Dental Clinic Landscape Project, Monroe, WA
- ◆ Redmond Regional Library Landscape Improvements, Redmond, WA
- ◆ Pacific Lutheran Music Building Landscape Improvements Project, Tacoma, WA
- ◆ Pacific Lutheran University Landscape Master Plan, Tacoma, WA
- ◆ UW Campus Landscape & Reconditioning Study, Rainier Vista and Sylvan Grove, Seattle, WA
- ◆ UW Campus Sylvan Grove and Stevens Way walkway and wall project, Seattle, WA
- ◆ UW Island Grove Reconditioning Study, UW/Seattle, WA
- ◆ Noise Abatement Group Offices, SeaTac, WA
- ◆ Terminal 18 Landscape, Public Access and Roadway Corridor Design, Port of Seattle, WA
- ◆ Shilshole Marina Landscape Improvements Project, Port of Seattle, WA

Public Infrastructure, Transportation, and Industrial Landscape Design and Mitigation

- ◆ Des Moines Memorial Drive, Burien, WA
- ◆ Yarrow Point Road, Yarrow Point, WA
- ◆ Hunts Point Road, Hunts Point, WA
- ◆ 10th Avenue and Garfield, Seattle, WA
- ◆ Factoria Boulevard Improvements, City of Bellevue, Bellevue, WA
- ◆ McGilvra Boulevard Improvements, Seattle, WA
- ◆ Linden Avenue Street Improvements, SeaTran, Seattle, WA
- ◆ Brightwater Siting Process, King County Wastewater, Seattle, WA
- ◆ Sweyolocken Pump Station, King County Wastewater, Seattle, WA
- ◆ Cedar DBO, Lake Youngs Facilities, Seattle Public Utilities, Seattle, WA
- ◆ Sound Transit - LINC Light Rail Stations and Lines Landscape Improvements, Seattle, WA
- ◆ Landsberg Diversion Structure and Park Master Plan, Seattle Public Utilities, Seattle, WA
- ◆ Seattle Water Department Scenic Heights Pump Station and Charlestown Standpipe, Seattle, WA
- ◆ Seattle Water Department Queen Anne Water Tower Replacement Project, Seattle, WA
- ◆ Vashon Transfer Station, King County Solid Waste, Seattle, WA
- ◆ Vashon Landfill Closure, King County Solid Waste, Seattle, WA
- ◆ Highline Community College Surface Water Control Facility Design, Des Moines, WA
- ◆ Port of Seattle, Aircraft Fueling Facility, SeaTac, WA
- ◆ Port of Seattle Customs and Police Facility, SeaTac, WA
- ◆ Metro/West Point Secondary Treatment Plant Park and Mitigation Design, Seattle, WA
- ◆ Metro/Renton Secondary Treatment Plant Campus and Mitigation Design, Seattle, WA
- ◆ Long Lake Hydroelectric Comprehensive Recreation Plan, Spokane, WA

Street Ends and Waterfront Park Design

- ◆ Terminal 18 Park, Seattle, WA
- ◆ Charles Street End, Leschi Neighborhood, Seattle, WA
- ◆ Norman Street End, Leschi Neighborhood, Seattle, WA
- ◆ 42nd Avenue E., Madison Park Neighborhood, Seattle, WA
- ◆ N Avenue Street End and Waterfront Park Design, Anacortes, WA
- ◆ Guemes Channel Park and Ferry Dock, Anacortes, WA
- ◆ Maury Island Regional Park Shoreline and Dock Improvements, Vashon Island, WA
- ◆ Spokane Street Improvements, Harbor Island, WA

Housing/Private Developments

- ◆ Aurora Homeless Housing, 105th and Aurora, Seattle, WA
- ◆ Aurora Homeless Housing, 105th and Aurora, Seattle, WA
- ◆ YWCA "New Angeline's Center", Seattle, WA
- ◆ The Bart Harvey Roof Gardens, Terry and Minor, Low Income Housing Institute, Seattle, WA
- ◆ Canaday House Courtyard Gardens, Cascade Neighborhood, Seattle, WA
- ◆ The Larry Gossett, Roof Gardens, University District, Seattle, WA
- ◆ The Jim McDermott Residential Housing for Homeless Veterans, Lake City, Seattle, WA
- ◆ The Gilmore, Housing development 3rd and Pine, Seattle
- ◆ Harbor Square Condominiums, Plaza, Bainbridge Island, WA
- ◆ Compass Center Veteran's Housing Project, Shoreline, WA
- ◆ Compass Center Cascade Women's Facility, Seattle, WA
- ◆ Foss Home Renovation, Seattle, WA
- ◆ Hiawatha Place Housing Streetscape, Park, Roof Garden and Plaza Design, Seattle, WA
- ◆ Village Home, Commercial and Residential Mixed Use Project, Bainbridge Island, WA
- ◆ 2900 First Avenue Garden Redevelopment, Seattle, WA
- ◆ The Seneca Apartment, Seattle, WA
- ◆ Curley School Redevelopment, Artist Housing, Ajo, AZ

- ◆ Kenmore Family Housing Landscape Design, Kenmore, WA
- ◆ Kenmore Senior Housing, Kenmore, WA
- ◆ Rosemont Heights Master Plan, Sapporo, Japan
- ◆ Virginia Mason Clinic Addition, Bainbridge Island, WA

Residential Projects - 1996-2012

- ◆ Hanson Residence, Blakeley Island, WA
- ◆ Donworth Residence, Sequim, WA
- ◆ Rolfe Residence, Broadmoor, WA
- ◆ Keating Residence, Yeomalt Point, Bainbridge Island, WA
- ◆ Gossard Residence, Lake Washington Blvd., Seattle, WA
- ◆ Ordon Residence, Woodinville, WA
- ◆ O'Farrell Residence, 10th Avenue E., Seattle, WA
- ◆ O'Farrell Residence, Maidenhair Lane, Seattle, WA
- ◆ Weiner Residence, Sand Point Neighborhood, Seattle, WA
- ◆ Hebert Residence, Whidbey Island, WA



LANDSCAPE
ARCHITECTS

SB & ASSOCIATES, INC.
1148 NW LEARY WAY
SEATTLE, WA 98107
(206) 789-2133 Fax (206) 789-2186

Susan E. Black, President
Principal, Landscape Architect

Ms. Black has over 28 years of professional experience in public and private landscape design and park and open space planning. She has participated on a number of large multidisciplinary teams as manager of design, environmental assessment and mitigation. She has lead many smaller teams in design, documentation and construction of park and public access landscapes. She has provided park planning services for several jurisdictions such as King County, Kitsap County and Skagit County, and recently done renovation assessments, plans and cost estimates for all 29 parks in the City of Des Moines.

Susan founded SB&A in 1994. She has developed specific expertise in native and riparian habitat development, historic resources preservation and planning, planning for sculpture and art, park design, development and restoration. Her creative and sometimes non-traditional designs for park elements and sustainable materials make each park a unique play experience. She is a Seattle native and sailor.

Relevant Projects

- Lea Hill Park, Auburn, WA
- Powell Barnett Park, Seattle, WA
- Haynes Wharf Park, Edmonds, WA
- Lincoln-Eldridge Historic Park Renovation, Tacoma, WA
- Alling Park Renovation, Tacoma, WA
- Cromwell Park, Shoreline, WA
- Hamlin Park, Shoreline, WA
- Whale Tail Park, Seattle, WA
- Heritage Park Eastern Washington Butte Concept Plan, State of Washington, Olympia, WA
- Pilchuck River Community Park Master Plan, Snohomish Co.
- Terminal 18/Harbor Island Park, Port of Seattle, Seattle, WA
- Katz Sculpture Garden Courtyard, UW School of Art, Seattle, WA
- Des Moines Memorial Drive Memorial Improvements, with 5 jurisdiction: King County, Burien, SeaTac, Normandy Park, Des Moines, WA
- Sylvan Grove Theater, University of Washington
- Olympia Capitol Campus Restoration/Preservation/Enhancement Plan, Olympia
- Sylvester Park Restoration/Preservation/Enhancement Plan, Olympia
- West Point/Discovery Park Trail, Wetlands, Native Landscape Improvements for Habitat, Seattle, WA
- Magnuson Park Habitat/Native Planting Improvements, Seattle

Education

Bachelor of Landscape Architecture, University of Washington, 1985

Registration

Landscape Architect, Washington, 1994, State of Arizona, 2005



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ARCHITECTS

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(206) 789-2133 Fax (206) 789-2186

Charles A. Warsinske

Principal, Landscape Architect, ASLA

Mr. Warsinske is a registered landscape architect with over 37 years of experience in the design and planning of parks, trail systems and facility landscapes. He has a very wide and comprehensive knowledge of landscape design, development, construction and management, environmental permitting and recreational and educational programming. As a designer, he seeks to integrate art, science and environmental understanding into the every day elements that comprise sustainable landscapes. His designs are often a blend of the latest, most sustainable materials and techniques and creatively planted and programmed. His experience with green development emphasizes solutions that are permanent, low cost, require low maintenance yet are clever and durable.

Project Experience

- ◆ SR 522/Burke Gilman Construction Services, King County, WA
- ◆ West Hill Community Center Design and Construction Services, King County, WA
- ◆ Highline Community College Projects 1995-2005, Des Moines, WA
- ◆ Redmond Library, Redmond, WA
- ◆ West Side Trail Master Plan, SeaTac, WA
- ◆ Cottage Lake Park Master Plan, Design, Permitting and Development, King County, WA
- ◆ KCLS On-Call Services, Issaquah, WA
- ◆ King County On-Call Services Project Manager, Seattle, WA
- ◆ Burke Gilman Trail, The Missing Link Study, Seattle, WA
- ◆ Powell Barnett Park Redevelopment, Seattle
- ◆ Whale Tail Park Playground and Alki Elementary Playground, Seattle
- ◆ Bellingham Technical College Improvements, Bellingham, WA
- ◆ Bates Technical College Central Plaza, Tacoma, WA
- ◆ Pilchuck River Community Park, Master Plan, Snohomish County, WA
- ◆ Skagit Valley Community College Master Plan, Mount Vernon, WA
- ◆ Cromwell Park Master Plan, Shoreline, WA
- ◆ Hamlin Park Master Plan, Shoreline, WA
- ◆ King County Maury Island Park Master Plan, Vashon, WA

Education

B.S. Horticulture/Landscape Architecture, Washington State University, 1972
Master of Landscape Architecture, University of Washington, 1982

Registration

Landscape Architect, Washington, 1975

GEOTECHNICAL ENGINEERING

City of Port Angeles Waterfront Improvements, Port Angeles, WA

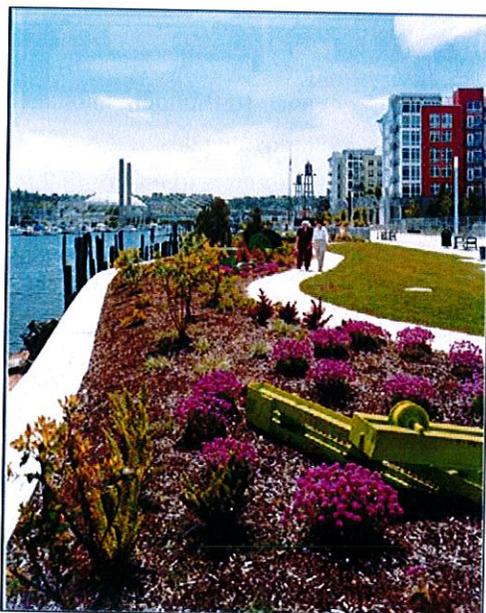
Hart Crowser is providing geotechnical engineering services for planning, design, and construction of a multi-phase, \$17 million project along the Port Angeles waterfront. Phase 1 is under construction and Phase 2 design is 60% complete. The project includes a variety of spaces along the shoreline, including a pile-supported esplanade over the water, the new West End Park, a multi-use building, plaza area, waterfront trail, and a re-established beach west of Terminal 4. The overall project encompasses the majority of the City's waterfront area—approximately eight blocks, including an existing pier and beach, a primary street with two ferry terminals, and a former industrial site identified for the park and public beach.



Contact: Steve Zenovic, Zenovic & Associates, Inc., 360-417-0501, steve@zenovic.net

Thea Foss Waterway Esplanade and Park, Tacoma, WA

Hart Crowser has been the City of Tacoma's consultant for remediation and development of the Thea Foss Waterway, all done in the context of a State Superfund cleanup. As part of this work, Hart Crowser provided



geotechnical and environmental design support for development of a 1.5-mile-long walkway as part of a large upland development along the Thea Foss Waterway. Geotechnical work included design of pavements, sheet pile bulkheads, renovation and replacement of an existing wharf, and construction of new marinas and associated pedestrian access corridors. Environmental work included shoreline protection and habitat enhancements for several kilometers of formerly industrial waterfront. This involved developing specifications for shoreline recontouring, "soft armoring", marsh fringe and riparian plantings, intertidal habitat benches, and large woody debris installations. The project required intensive, long-term negotiations with EPA and Trustee agencies regarding all aspects of the project including remedial design, impact assessment, and mitigation requirements and design. All project components



have been constructed and have been monitored for several years by the City, demonstrating achievement of a high degree of shoreline protection and ecological function.

Contact: Mary Henley, City of Tacoma Dept of Public Works, 253.377.5862, mhenley@ci.tacoma.wa.us

ENVIRONMENTAL PERMITTING

Point No Point Boat Launch, Hansville, WA

Hart Crowser worked as part of the design team selected by the WDFW to expeditiously plan, design, and permit a functional, environmentally conscious boat ramp and recreational area. This new ramp replaced a derelict rail launch system and provides small boat access for the Hansville area. WDFW purchased the property in 1997 with the intent of restoring boat launching capabilities to the site in keeping with Hansville's rich sport fishing history and the interest expressed by the local boating community.

Hart Crowser worked closely with the design team during the design/permitting process to maximize efficiency in developing a permissible design. Design elements were carefully incorporated to minimize impacts to the existing ecology of the area (eelgrass habitat, a documented forage fish spawning beach, and juvenile salmonid migration corridor). Such elements included optimizing orientation, incorporating grating over a significant portion of the boat ramp surface, and elevating the boat ramp to allow for

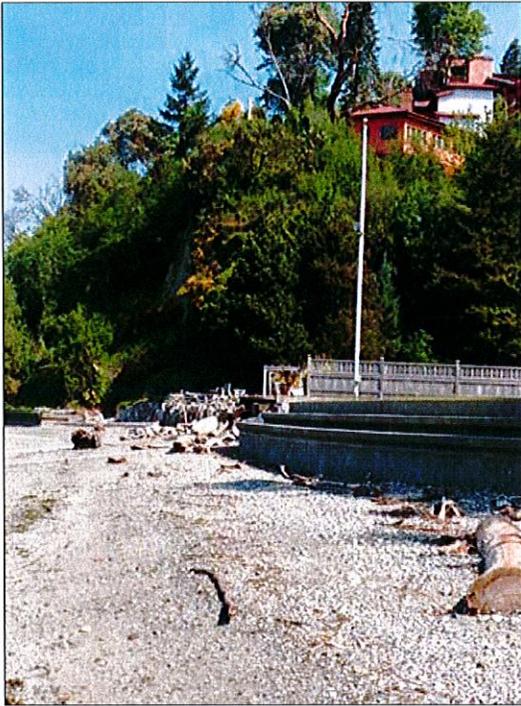


longshore transport. Several conservation measures were also incorporated to enhance surrounding habitats, such as removing existing derelict structures that occur in the nearshore, removing creosote piles, incorporating native plantings to enhance the backshore, and establishing operational buffers to ensure that the use of the ramp would not impact existing eelgrass. This WDFW project also required extensive stakeholder involvement. Hart Crowser handled many of these interactions, including dealing directly with tribal interests in maintaining or enhancing the local ecology of the area.

Contact: Kristen Kuykendall, PE, Design Engineer, Washington Department of Fish and Wildlife, Capital Asset Management Program, 360.902.8383, kristen.kuykendall@dfw.wa.gov

Shoreline Master Program Update and Permit Reviews, Normandy Park, WA

Hart Crowser is working with the City staff to update the City of Normandy Park Shoreline Master Program (SMP) based on the latest State shoreline regulations and best available science. An audit of the existing SMP was conducted to determine if it complies with the latest Shoreline Management Act (SMA) and best available science. Hart Crowser provided the City with proposed modifications to the SMP. Work entailed



reviewing existing documentation, public comments, Washington State Shoreline Management Act (SMA) and Washington State Department of Ecology (Ecology) SMP guidelines and best available science for shoreline protection. Hart Crowser worked closely with City staff and Ecology to determine the most appropriate shoreline regulations for the community.

Hart Crowser is also an on-call environmental consultant for Normandy Park. This work entails review of shoreline and critical areas permit applications for projects along the marine shoreline. Hart Crowser determines if the project permits are in compliance with the shoreline and critical areas regulations and if the projects are most beneficial to the shoreline environment based on best available science. Projects include bulkhead replacement, boat ramps, house repair and reconstruction, and restoration of natural shoreline features.

Contact: Chad Tibbits, Senior Planner, City of Normandy Park, 801 SW 174th Street, Normandy Park WA, 98166, 206.248.7603, chadt@cinormandy-park.wa.us



GARRY E. HORVITZ, P.E., L.E.G.

Senior Principal Geotechnical Engineer

EDUCATION

M.S., Civil Engineering
(Geotechnical), 1975,
Massachusetts Institute of
Technology

B.S., Civil Engineering, 1973,
State University of New York
at Buffalo

REGISTRATIONS

Professional Engineer, WA,
OR, AK, and HI

Licensed Engineering
Geologist, WA

TWIC

AFFILIATIONS

American Society of Civil
Engineers (ASCE); Waterway,
Port and Coastal Division

ASCE National Port and
Harbor Steering Committee

Society of American Military
Engineers (SAME)

With 39 years of experience, Garry is a Senior Principal and one of Hart Crowser's most senior engineers. Garry has provided project management and senior-level review for soils and foundation studies and engineering design on hundreds of developments and redevelopments—from preliminary siting through final design and construction. His expertise includes slope and embankment design; geotechnical engineering design of elevated structures (bridges, piers, and wharves); engineering for pavement and roads, dredging, breakwaters and piers, seismic projects, and landslide stabilization; and foundation design for a wide range of industrial, commercial, and infrastructure projects.

REPRESENTATIVE PROJECT EXPERIENCE

Thea Foss Waterway Public Esplanade and Boardwalk, Tacoma, WA. Project Manager for geotechnical design for development of a 1.5-mile walkway as part of a large upland development along the Thea Foss Waterway. Work included design of pavements, sheet pile bulkheads, renovation and replacement of an existing wharf, and construction of new marinas and associated pedestrian access corridors. All of this work was done in the context of a state Superfund cleanup.

City of Port Angeles Waterfront and Transportation Improvement Plan (WTIP), Port Angeles, WA. Principal in charge of geotechnical engineering support for planning, design, and construction of this multiphase, multiyear development. The project includes a variety of spaces along the shoreline, including a pile-supported esplanade over the water, the new West End Park, a multi-use building, plaza area, waterfront trail, and a re-established beach west of Terminal 4. The overall project encompasses the majority of the City's waterfront area—approximately eight blocks, including an existing pier and beach, a primary street with two ferry terminals, and a former industrial site identified for the park and public beach.

Olympic Sculpture Park, Seattle, WA. Principal in Charge for geotechnical services for the design of the Olympic Sculpture Park at the foot of Broad Street, at the south end of Myrtle Edwards Park. This project consists of constructing a major park facility that will allow access from Western Avenue across Elliott Avenue and across the BNSF right of way to the shoreline. Two pedestrian bridges span city streets and the BNSF railroad. The project involved seawall upgrading, as well as the design of deep shoring systems in the form of both soldier pile/tieback systems and soil nail systems.

Harborside Park and Heritage Museum, Bremerton, WA. Project Manager for geotechnical engineering for a planned park and museum on waterfront land located adjacent to the ferry terminal, given to the City of Bremerton by the Navy. The



project includes incorporating an existing historic naval shipyard building into a new museum, new building foundations, and shallow foundations for a visitor walkway and stairs that highlight sculptures and waterfront views. Hart Crowser is also providing environmental services to the City.

Central Waterfront, Port of Seattle, Seattle, WA. Garry was the Project Manager for the geotechnical design of foundation and earthwork and the environmental assessment of waterfront and upland properties. The waterfront component of the project included demolition of Pier 66 and Port headquarters and their replacement with a new pier, a conference center, World Trade Center buildings, a new parking garage and hotel, as well as the construction of a small breakwater and marina. The upland component included mid- and high-rise mixed-use development across three to four city blocks along Alaskan Way.

12th Street Yacht Basin Redevelopment, Port of Everett, WA. Project Manager providing geotechnical services for development of this 220-slip marina. The marina focuses on large yachts and vessels.

Port of Seattle Public Access Projects, Seattle, WA. Garry was the Project Manager for major redevelopments for the Port of Seattle at Terminals 5 and 30. These waterfront projects included geotechnical and environmental design for public access facilities, slope stability, and environmental permitting.

Martin Luther King, Jr., Memorial Park, Seattle Parks Department, WA. Garry was Hart Crowser's Project Manager for site explorations, slope stability evaluation, cut and fill design, and foundation design for a memorial and reflecting pool located in a potentially hazardous slope area.

Eagle Harbor West Operable Unit Sediment Remediation, Bainbridge Island, WA. As Senior Technical Reviewer of design documents, Garry evaluated the remedial design analysis report; plans and specifications; construction quality assurance plan; operations, maintenance, and monitoring plan; construction cost estimate; construction time schedule; and permitting and site access plan. The EPA projected that constructing the preferred remedy for mercury- and PAH-contaminated sediments at the Eagle Harbor aquatic Superfund site would cost \$15 million to \$20 million. Hart Crowser, working on behalf of the potentially responsible parties, proposed an alternative, less costly approach—combining upland source control, relatively low-cost enhanced natural recovery, and a nearshore fill to contain the most contaminated sediments—at a savings of at least \$10 million. This project had a strong bank stabilization component.



DIANE HENNESSEY

Senior Ecologist

EDUCATION

Certificate of Wetland Scientist/Wetland Science and Management Program, University of Washington, 1999

MS, Environmental Science/Land and Water Resources, University of Wisconsin, 1996

BS, Environmental Science/Biology, State University of New York, 1983

40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) training, February 2013

Forage fish survey training, May 2013

Washington Wetland Rating System Spring 2008

AFFILIATIONS

Instructor Wetland Science and Management Certificate Program, University of Washington, since 2004

Instructor Wetlands Class, Native Plant Society Stewardship Program, since 2004

American Water Resources Association, since 2001

Coastal Society, since 2005

Society for Wetland Scientists, since 1999

Society for Ecological Restoration, since 2003

Native Plant Society, since 2002

Audubon Society, since 2004

Wilderness Society, since 2000

Diane Hennessey is a biologist and environmental scientist with 14 years of experience. Her experience includes biological studies, wetland and stream restoration, permitting, shoreline and critical areas regulatory review and development, ecological assessment of species listed under the Endangered Species Act (ESA), mitigation design and planning, natural resource planning, environmental impact analysis, and project management. Ms. Hennessey has performed wetland, stream habitat, fisheries, wildlife, and water quality field studies for a variety of projects in freshwater and marine systems. She has prepared a full suite of permit applications, critical areas reports, mitigation and restoration plans, biological assessments, NEPA/SEPA environmental impact statements, and environmental assessments. She has worked with local jurisdictions to review and update their shoreline and critical areas regulations using best available science. She also has experience with global positioning system units for natural resource field mapping and data collection and geographic information system mapping and analysis.

Shoreline Master Program Update and Permit Reviews, Normandy Park, WA. Ms. Hennessey is the project manager for completing an update of the City of Normandy Park Shoreline Master Program (SMP) based on the latest State shoreline regulations and best available science. She conducted an audit of the existing SMP to determine if it complies with the latest Shoreline Management Act (SMA) and best available science and then modified the SMP accordingly. Work entailed incorporating public comments and working closely with City staff, the community, and Washington State Department of Ecology to determine the most appropriate shoreline regulations for the community. Ms. Hennessey also provides review of shoreline and critical areas permit applications for projects along the marine shoreline of Normandy Park. Projects include bulkhead replacement, boat ramps, house repair and reconstruction, and restoration of natural shoreline features.

Shoreline Master Plan Development and Shoreline Inventory, Tulalip Reservation, WA. Ms. Hennessey was the lead biologist for a shoreline master plan update and shoreline inventory project for the Tulalip Indian Tribe on the Tulalip Indian Reservation in Washington. She worked with a team of scientists to conduct a field inventory to map the shoreline features and analyze the condition of the marine shoreline within the Tulalip Reservation. The inventory was completed both from a boat and from walking and aerial photographic interpretation for inaccessible areas. She was one of the primary authors of the inventory and characterization technical report and assisted with developing the GIS Map folio. She also worked with the project team and the Tulalip Tribal members to determine their vision and alternatives



or shoreline development, restoration, public access, and parks and recreational facilities. She assisted with preparing a master plan for marine shoreline use within the Tulalip Reservation.

City of Kirkland Environmental Services On-Call, Kirkland, WA. Ms. Hennessey was the project manager for the environmental services on-call contract. She set up task orders with the City for a variety of environmental projects and then assigned staff to projects or completed them herself. She worked closely with the City so that she could be aware of upcoming projects and act seamlessly as their environmental staff when needed. Types of services completed under the on-call contract include: conducted and prepared wetland, stream, shoreline, and habitat studies for City projects, conducted a comprehensive natural resources and watershed study, designed, developed and monitored mitigation projects for City projects, prepared documents for ESA compliance including biological assessments and biological evaluations. Ms. Hennessey and staff prepared environmental permitting documents for the City including SEPA checklists, shoreline permits, Hydraulic Project Approval, and Nationwide Permits. Additionally, Ms. Hennessey and staff also reviewed, analyzed, and commented on these studies and permits on behalf of and in coordination with the City when completed by a third party.

Port Susan Bay Estuary Restoration – Final Design and Permitting, Snohomish County, WA. Ms. Hennessey was the lead biologist working with Nature Conservancy, stakeholders, and permitting agencies on a 150-acre estuary restoration project in Port Susan Bay. The purpose of the project was to restore pre-development conditions to the delta at Hat Slough, and to restore intertidal habitat and salmonid habitat on the delta that had been eliminated by development elsewhere on the delta. The design consisted of removing and setting back 7,350 feet of levee landward to restore 150 acres of estuary. Ms. Hennessey conducted field studies and prepared wetland, wildlife, fish habitat, and endangered species biological assessments. She also prepared all local, state, and federal permit documents for the project. She coordinated and met with federal, state, and local permitting agencies, Snohomish County agricultural board, farmers, and other stakeholders to address issues that could arise for permitting the project. The project was controversial because of a change from agricultural land use to restoration use and the shoreline permit was appealed by the Farm Bureau. After a legal battle, the appeal was reversed and the project permitting was approved. Construction was completed in summer of 2012.

Pierce County Flood Hazard Management Plan Programmatic EIS, Pierce County, WA. Ms. Hennessey was the lead scientist and author of the natural resources sections of the EIS. The EIS focused on impacts to habitat and river processes, as well as land use other human environment issues resulting from a wide array of proposed flood-reduction activities, including levee and revetment maintenance, levee and revetment setbacks, and gravel removal. Ms. Hennessey conducted wetland, stream, and wildlife habitat assessments to support the EIS. She also led and attended meetings and public open houses to obtain stakeholder input. The County also proposed a suite of innovative programs under the preferred alternative. The flood plan is wide-reaching and controversial and involves a wide variety of stakeholders ranging from private developers to environmental organizations, agencies, and tribes.

Steilacoom Dock Biological Assessment, Pierce County, WA. Ms. Hennessey was the lead scientist conducting an endangered species assessment to determine potential impacts and mitigation measures for reconstruction of the Steilacoom Dock in Pierce County. The biological assessment (BA) focused on impacts to marine habitat and marine mammals and fish. She worked closely with Pierce County and permitting agencies to complete the BA and permit the project.



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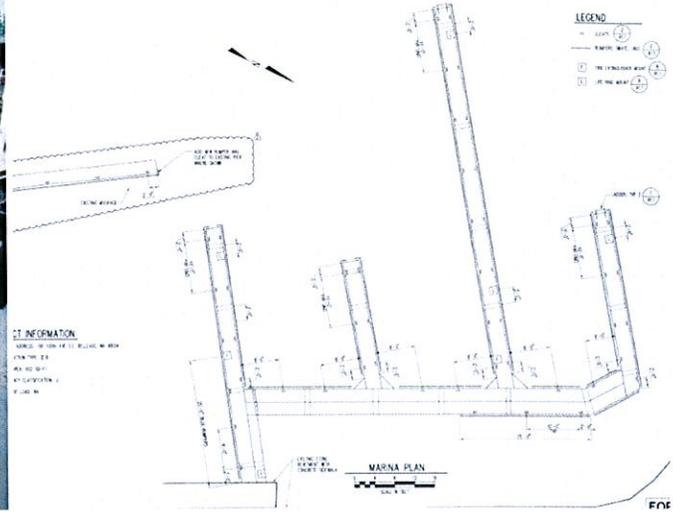
www.kpff.com

Founded in Seattle in 1960, Seattle-based KPFF Consulting Engineers is among the largest civil and structural engineering firms on the West Coast. Our local offices employ over 300 employees – including 98 structural staff and 74 civil engineers. KPFF provides services for all phases of a project, from planning through construction.

We are engineers who know how to design waterfront parks. We are recognized for our technical expertise and extensive knowledge of the permit, design, and construction process. Our experience includes motorized and non-motorized boat launches, docks, marinas, waterfront parks, piers, wharves, ferry terminals, breakwater and shore protection, dredging, underwater toe-wall construction, floating structures, and complex marine structures rehabilitation. In addition, we are experienced with planning, analysis, and design of grading, drainage, utilities, trails, parking facilities, access roads, street improvements, and ADA accessible pedestrian paths.

KPFF has substantial experience designing fixed and floating marine structures of all sizes for transportation, commercial, and recreational purposes. We have designed facilities for large tide and lake level variations, and have established a reputation for producing innovative and cost-effective designs. As part of our design process, we work closely with specialists in geotechnical engineering and cathodic protection to ensure our structures will have a long service life in the harsh marine environment.

KPFF's in-house surveyor team offers full-service surveying abilities providing research, document preparation, field work, calculations, drafting, and analysis.



Bellevue Marina and Clyde Beach Park Waterfront Improvements

Bellevue, WA

KPFF led a team to provide civil and structural engineering services and permitting for the redesign of the Meydenbauer Bay Marina transient moorage and Clyde Beach swim pier. The transient moorage design and associated residential dock demolition were part of the implementation of the 2010 Master Plan for Meydenbauer Bay Park. The marina and swim pier improvements include construction drawings and cost estimates for the replacement of existing marine structures to meet current design standards, including ADA accessible grating, and configuration for most efficient layout for users. This project is planned for construction this Spring/Summer 2013.

REFERENCE:

Pam Fehman
 Parks Project Manager
 City of Bellevue
 425-452-4326



Sand Point / Magnuson Park North Shore Recreation Area

Seattle, WA

Magnuson Park is located on Lake Washington and is a former U.S. Naval Air Station. It is one of the largest holdings within the Seattle Park's system at more than 3,000 acres. The 17 acres that constitute the North Shore include 1,700 linear feet of Lake Washington shoreline

The general intent of the project was to restore the shoreline and develop a non-motorized boating facility for teaching, storage, and rental of small sailing and paddling boats, called the Sand Point Boating Center.

KPFF provided civil and marine structural engineering. Water access facilities were fully designed to include fixed and floating docks, ramps, and a new beach that covered the pre-existing concrete bulkhead. Building adaption and re-use as well as public restrooms were addressed in the master planning and schematic design phases. The design of these facilities included providing disabled access (ADA compliant) dock facilities, trails, and picnic areas.

REFERENCE:

Eric Friedli
Director, Enterprise Division
City of Seattle Department of Parks and Recreation
206-684-8369



Gene Coulon Memorial Beach Park Renovation

Renton, WA

This 53-acre, award-winning waterfront park extends approximately one mile along Lake Washington's southern shoreline. KPFF provided engineering services for the original development of this major city park, including an initial drainage study of the large basin draining through the park area. KPFF provided hydrologic and hydraulic studies for the realignment of an existing stream on the site. The stream was relocated and reshaped to act as a separation between the park area and boat launch parking and to create a marsh-like habitat for waterfowl.

Most recently, KPFF provided civil and structural engineering services for the seismic retrofit and rehabilitation of the existing marine structures. The project includes floating pontoons, fixed timber docks with ACZA- or CCA-treated piling and members, four concrete slip-in-place boat ramps, and public access improvements.

REFERENCE:

Leslie Betlach
Parks Director
City of Renton
425-430-6619



Grand Forest Park Bridge Repairs

Bainbridge Island, WA

KPFF provided structural engineering services for the design of repairs to a 47-foot-long bridge carrying a trail over Issei Creek in Grand Forest Park. New timber glulam stringers were designed to replace rotten log stringers and to remove the existing pier in the creek. KPFF inspected the existing bridge to verify that the existing timber railings and deck were not also rotten and determined they could be re-used on the new stringers. KPFF also created construction staging plans and coordinated with multiple glulam suppliers to provide the client multiple local material sources.

REFERENCE:

Roger Belieu
Bainbridge Island Metro Park and Recreation District
206-842-3343



Andrew K. Bennett

PE

Marina & Boat Launch
Engineer - KPFF
Consulting Engineers

EDUCATION

MMA Coastal Zone Management, University of Washington

BS Naval Architecture and Marine Engineering, MIT

REGISTRATION

WA
Professional Engineer

AFFILIATIONS

American Planning Association

Society of Naval Architects and Marine Engineers

Seattle Propeller Club, Past President

Northwest Seaport, Board of Directors

Andy brings over 25 years of experience in waterfront planning, waterborne transportation, and structural analysis. His background includes design, planning, and project management of vessels, terminals, and waterfront facilities. Responsibilities have included contract negotiation, schedule development, RFP preparation, capital and operating cost estimates, regulatory compliance, sensitivity studies, route planning, vessel acquisition, terminal planning, and system integration.

Bellevue Marina and Clyde Beach Park Waterfront Improvements, Bellevue, WA

Project Manager for the civil and structural engineering services and permitting for the redesign of Meydenbauer Bay Marina transient moorage and Clyde Beach swim pier. The transient moorage design and associated residential dock demolition were part of the implementation of the 2010 master plan for Meydenbauer Bay Park. The marina and swim pier improvements include construction drawings and cost estimates for the replacement of existing marine structures to meet current design standards, including ADA accessible grating, and configuration for most efficient and layout for users.

Friday Harbor Ferry Terminal Vicinity Master Plan Update, WA

Project Manager for the update of the terminal area master plan, to guide transportation improvements by the ferry operator, town, county, and port. The goal was to reduce ferry dwell times, increase pedestrian safety, and improve traffic flow without detracting from the historic character of Downtown Friday Harbor. The improvements were needed to accommodate 70% growth ridership over the next 20-25 years.

Mount Vernon Downtown and Waterfront Master Plan, WA

Project Manager for the development of a master plan for the downtown area. The master plan included analysis of transportation, market, and financial feasibility conditions. A major component of the master plan was the implementation of flood protection measures to encourage development in the Mount Vernon's downtown area adjacent to the Skagit River.

Bremerton Boardwalk, Bremerton, WA

Project Manager for this new boardwalk, which opens up the Bremerton waterfront, connecting their ferry terminal, city center plaza, marina, convention center, parks, and new residential developments, as well as creates a bike and pedestrian pathway. KPFF worked closely with the mayor and the public works staff to piggyback what will be a great community amenity, the boardwalk, onto a much-needed utility upgrade.

Waterfront Engineering IDIQ Contract NAVFAC NW/US Navy, Silverdale, WA

Program manager for 5-year, \$20 million on-call design and engineering contract support US Navy facilities throughout the Puget Sound region. Projects included design of new piers, wharves, and docks as well as rehabilitation of existing waterfront structures.

Small Craft Launch Facility, Naval Station Everett, Everett, WA

Project manager for the design of a small craft launch facility, including pre-cast concrete boat ramp, fix pier, floats, and upland improvements, for U.S. Navy and U.S. Coast Guard small boats. Two alternative sites were analyzed and the final selection was based on minimizing construction costs due to utility relocation. The work included topographic, bathymetric, and utility surveys, geotechnical investigations, electrical design for lighting, structural design, and preparation of bid documents to support a design-build acquisition process.



David Schwartz

PE, LEED® AP

Civil Engineering -
KPF Consulting
Engineers

EDUCATION

BS Civil Engineering, Oregon
State University

REGISTRATION

WA, OR, CA, ID, HI, NV, MO,
CO, AZ, LA, FL, VA, MD, TX,
WY, SC, KY, TN, MI, OK, NM,
KS, NC, IL, ND
Civil Engineer

LEED® Accredited Professional

David regularly collaborates with landscape architects to deliver exceptional public recreation sites. He is sensitive to the environmental and architectural needs of public parks engineering in conjunction with design of recreational amenities and preservation of natural areas. He brings an understanding of the environmental permitting, wetlands, sensitive areas, fisheries and wildlife habitats issues found on environmentally complex sites. David offers clients traditional civil engineering for utilities, grading, and drainage as well as more specialized services for wetland areas, shoreline protection, and waterfront structures.

Bellevue Marina and Clyde Beach Park Waterfront Improvements, Bellevue, WA
Principal-in-Charge for civil engineering services and permitting for the redesign of Meydenbauer Bay Marina transient moorage and Clyde Beach swim pier. The transient moorage design and associated residential dock demolition were part of the implementation of the 2010 master plan for Meydenbauer Bay Park. The marina and swim pier improvements include construction drawings and cost estimates for the replacement of existing marine structures to meet current design standards, including ADA accessible grating, and configuration for most efficient and layout for users.

Fairview Olmstead Park Master Plan, Seattle, WA
Project Manager for civil engineering services for the master plan for a park at Waterway 11 on Lake Union, as part of the original Olmstead Plan for Seattle. KPF worked with Nakano Associates to develop three alternative plans for the site. The master plan maximizes water-related activities of the park by providing the following elements: non-motorized boat launch, viewing dock to observe spawning salmon, commercial waterfront, and interpretive displays of native shore plants. The master plan also includes pedestrian access to the lake from Eastlake Avenue, preservation of the community pea patch, provision for a bicycle route along the shore, and opportunities for passive recreation. A dedicated alley running through the park assures future access to privately owned properties.

Centennial Trail, Snohomish County, WA
Project Manager for this barrier-free, all-user non-motorized pathway system. Services included conducting site analyses and inventory of existing facilities, and preliminary and final design documents.

Evergreen Park, Bremerton, WA
Project Manager for civil engineering services for modifications to this existing park. Services include removal of asphalt and concrete rubble, replacement of the existing shoreline protection and infilling of uplands and pedestrian access to the waterway. Design for new park improvements including parking, play areas, restrooms, drainage, utilities, and paved walkways.

Sammamish Commons Park, Sammamish, WA
Project Manager for design of the 22-acre site. Coordinated with the landscape architect to incorporate trails, an informal play field, children's water feature, picnic shelters, amphitheater, skate park, and low impact development techniques for storm drainage discharge.

Easthill Park, Kent, WA
Project Manager for civil engineering services for development of a five-acre community park with picnic areas, shelters, restrooms, trails, play areas, parking, and a water amenity designed to provide storm drainage treatment, street improvements, detention, parking, and utility services to a new shelter and restroom.

Tambark Creek Park, Snohomish County, WA
Project Manager for civil engineering services for this park master plan including storm drainage, parking lot layout, grading, water and sanitary sewer for two restrooms and drinking fountains, ballfield irrigation, and access roads. The project includes design of a 125-foot-long bridge to span an existing wetland, three softball fields, and two soccer fields.