



**WITNESS LIST for  
APPEAL PUBLIC HEARING  
(13-APHE-0001)**

**PROJECT:** 13-APHE-0001 - Appeal of the Final Environmental Impact Statement (FEIS) for the East Monroe Comprehensive Plan Amendment and Rezone

**APPELLANT:** Lowell Anderson and Jeffrey W. Rogers

**HEARING DATE:** November 7, 2013 at 10:00 a.m.

**PACE ENGINEERS, INC**

**(PRIMARY)**

**Susan Boyd** – PACE Engineers, Inc.  
11255 Kirkland Way, Suite 300  
Kirkland, WA 98122  
425-827-2014

*Overall Project, Planning Elements, Regulatory Requirements*

**(BACK-UP, as needed)**

**Phil Cheesman, P.E.** – PACE Engineers, Inc.  
11255 Kirkland Way, Suite 300  
Kirkland, WA 98122  
425-827-2014

*Engineering Elements*

**WETLAND RESOURCES, INC**

**Scott Brainard** – Wetland Resources, Inc.  
9505 19th Ave S.E. Suite 106  
Everett, WA 98208  
425-337-3174

*Critical Areas, Habitat Management, Wetlands, Wildlife, Mitigation*

## **Susan Boyd | Vice President/Senior Principal Planner**

### **Education**

BS, Environmental/Regional Planning, University of Utah, 1980

### **Affiliations**

American Planning Association

American Council of Engineering Companies

American Water Resources Association

American Water Works Association

Partnership for Water Conservation

Washington Association of Sewer and Water Districts

Susan is a Vice President and Principal Planner with PACE. She has 33 years of experience and specializes in long range planning, analysis, and studies for utility systems and municipalities. In addition, she has extensive experience in environmental documentation and analyses, as well as acquisition of grant and loan financing for a wide variety of projects. Susan has worked on a wide array of civil engineering projects and has successfully completed numerous comprehensive plans, engineering reports, rate studies, environmental assessments, biological assessments, and permit acquisitions. In addition, she has significant experience in emergency response and hazard mitigation planning, especially as it relates to FEMA funding. These projects have included a wide range of NEPA, SEPA, and public involvement programs. Susan recently worked with the Washington State Governor's Office of Regulatory Assistance on a multi-county, 1,500 mile long broadband fiber installation project that contributed to development of a statewide multi-agency permitting process (SMAPP) for coordinating permits on large scale multi-agency projects. Her experience at federal county, state, and local levels is what distinguishes her as one of the leading utility system planners in the Northwest. This experience has given her a thorough understanding of the regulatory requirements and issues facing municipalities and private developers. On average, Susan oversees between four and eight comprehensive plans and updates a year. Additionally, she works closely with our clients through the budgeting, scheduling, and project implementation stage to develop implementation strategies. She has been instrumental in PACE obtaining project funding for over \$100 million in public works projects for our clients in recent years and is currently overseeing environmental analyses and NEPA/SEPA compliance on a \$150 million federally-funded project. A summary of recent projects related to environmental analysis and compliance is presented below.

### **NoaNet Broadband Installation Project Rounds #1 and #2 | Northwest Open Access Networks | Washington State | 2010-Present | Project #10395**

This on-going project is for installation of approximately 1,400 miles of broadband fiber to rural areas across Washington State. The project occurs in 20 separate counties and is being accomplished for a consortium of Public Utility Districts that have joined to form Northwest Open Access Networks (NoaNet) and collectively, have obtain over \$150 million in ARRA grants from the U.S. Department of Commerce. PACE has accomplished many aspects of the project, ranging from initial field staking to permitting and

construction management. Susan has led the environmental team and been responsible for development of Environmental Assessments for both project phases including solicitation of formal consultations and less formal coordination with numerous federal and state agencies such as the Bureau of Land Management, U.S. Fish and Wildlife, U.S. Forest Service, National Parks, Army Corps of Engineers and Washington State Departments of Ecology, Natural Resources, Fish and Wildlife, Historic Preservation, Transportation, etc. NEPA compliance included a significant archaeological and cultural resources inventory and program for protection of resources. SEPA compliance included working closely with the Governor's Office of Regulatory Assistance and contributed to development of a new process for permitting large, multi-agency projects to streamline and share information between agencies wherever possible. This process has been coined "SMAPP" or Statewide Multi-Agency Permitting Process and was instrumental in not only SEPA compliance but in keeping project costs down while expediting permitting. PACE also developed a process to ensure adherence to permit requirements and Best Management Practices developed for protection of the environment, culturally sensitive areas, and habitat for threatened, endangered, and sensitive species along the primarily rural project segments. Detailed Field Resource Guides have been developed for each project route to document known resources areas and provide habitat information as well as protection and response procedures in the event of an environmental or culturally significant discovery. The field resource guides were developed, partially, as a way to ensure compliance with Department of Transportation requirements along nearly 1,000 miles of the overall project.

*Contract Amount: \$10,000,000+*

#### **Woodland Park Estates | Thurston County | Thurston County, WA | 2009 | Project # 09368**

The Woodland Park Estates sewer project offers a solution for environmental degradation that is occurring through discharges of septic effluent to salmon bearing streams and Budd Inlet of the Puget Sound. PACE provided a variety of services, including acquisition of grant funding, an extensive public involvement program, and design of sewers to serve the Woodland Park Estates neighborhood of unincorporated Thurston County. Provision of public sewers to this area has been identified as one of the highest priority surface water protection program projects for the Puget Sound Initiative Thurston County Region. The project is currently under construction due to a strategic alliance between multiple public agencies formed to fund and implement the solution to improving water quality in Budd Inlet developed by PACE.

#### **Willapa Bay Cable Crossing | Pacific County PUD No. 2 | Pacific County, WA | 2009 | Project #10395-R2-PAC**

This project includes development of a biological and Environmental Assessment for placement of nearly eight-miles of submarine cable across Willapa Bay on the coast in Pacific County, Washington. PACE, working closely with marine biologists, has performed a complete evaluation of the impacts of the cable crossing and is facilitating permit acquisition for the project. Willapa Bay is a unique marine environment with an active Oyster growing industry. Key issues associated with the project are protection of endangered species (eelgrass, pacific smelt, green sturgeon, and marbled murrelet) and coordination with the oyster farming industry and private harvesters. An interesting element of the project is that the 48,000 LF cable needs to be continuous and without splices. This will be accomplished by barging the cable in and installation with an underwater hydro-jet that offers minimal disturbance at less than 10 feet across for a 6 foot deep cable installation.





## Phil Cheesman, PE | Vice President/Senior Principal Engineer

### Education

BS, Civil Engineering, University of Washington, 1985

Low Impact Development Certification, Post Graduate Studies, Washington State University Extension, 2009

### Professional Registration/Certifications

PE, Civil Engineer, Washington, 1990, #26901

### Affiliations

American Council of Engineering Companies

Council of Educational Facility Planners International

International Council of Shopping Centers

### General Bio

Phil has over 28 years of experience in all aspects of land development, including municipal, street, park, and recreational projects. Phil oversees PACE's land development operations and manages a group of more than 20 site development engineers and technicians. He typically designs and manages a broad spectrum of projects, including those with parking, grading, drainage, and utility improvement requirements depending on specific site needs. He has successfully and cost-effectively completed site development projects with millions of square feet of commercial space, over 50 educational facilities, and many large residential projects. In addition, he has completed several projects where overall storm drainage basin analysis, river/stream hydraulic analysis, steep slope erosion control, drainage conveyance, and discharge design have been critical to project approval. Phil has worked on and managed feasibility studies, peer plan reviews, and has provided professional opinion as expert witness in drainage-related litigation. Throughout his diverse project experience, Phil has effectively coordinated complex site issues and addressed regulatory agency concerns leading to expedient project permit approvals on schedule and within budget.



### Education

B.S., Environmental Policy and Impact Assessment, Western Washington University, 1993

### Certifications

Certified Professional Wetland Scientist - # 1743

### Advanced Training

USACE Northwest Regional Nationwide Permits, USACE

Advanced Hydric Soils, SPU  
Management of Invasive Plants, PSU

Classifying Wetlands Using HGM, PSU

Wetlands and Upland Restoration, UW

Geology and Geomorphology of Streams, UW

Electrofishing Training Course, USDFW & Smith Root, Inc.

How to Determine Ordinary High Water Mark, WA DOE

WA State Wetland Rating System for Western Washington, WA DOE

Arid West Supplement Delineation Manual, Wetland Training Institute

WA State Wetland Rating System for Eastern Washington, WA DOE

### Expert Witness

#### Testimony

Villages and Lawson Hill SEPA and MPD Hearing, Black Diamond, WA

Carpenter Heights Subdivision Hearing, Snohomish County, WA

Scott holds a Bachelors degree in Environmental Policy and Impact Assessment from Huxley College, Western Washington University, and is a Certified Professional Wetland Scientist and an active member of the Society of Wetland Scientists. Scott's experience working with the private and public sectors make him particularly sensitive to the needs of utility purveyors, the development community, homeowners, and local jurisdictions. Scott's training, skills, and strong working relationships with clients and regulators proves invaluable in permit acquisition and compliance on the local, state, and federal level. Scott's primary responsibilities include project management, wetland reconnaissance/feasibility, permit coordination, delineation, construction supervision, mitigation planning, wetland creation and construction design, ecological and aquatic resource monitoring, wildlife analysis, and technical report writing.

### TECHNICAL EXPERTISE

#### *Wetland and Stream Identification, Delineation and Evaluation*

- Feasibility Studies and Wetland, Stream and Wildlife Reconnaissance
- Wetland Delineation utilizing the USACE 1987 Wetland Identification and Delineation Manual, the 1997 Washington State Department of Ecology Wetland Identification and Delineation Manual, and the USACE Interim Regional Supplement for Western Mountains, Valley, and Coast Region
- Wetland Rating and Categorization utilizing Washington State Department of Ecology Rating System and individual local jurisdictional rating systems
- Functions and values analyses utilizing the multiple methodologies available for Washington State

#### *Mitigation Planning and Design*

- Development of wetland, buffer, and stream mitigation plans for compliance with local, state and federal regulations
- Planning and design includes establishing goals, objectives, performance standards and monitoring protocols
- Projects are often evaluated through construction supervision and performance monitoring period

#### *Ecological and Aquatic Resource Monitoring*

- Monitoring of existing conditions as well as post-action objectives
- Braun-Blanquet or similar methods to the protocols described by the Salmon Recovery Funding Board (SRFB), April 2004
- Effective use of established methodologies for defensible results