

## **COMPANY PROFILE**

Fletcher Paine Associates provides geotechnical and materials engineering and testing services in the southern interior of British Columbia.

The company is committed to providing a high quality of professional services to its clientele, which includes local, regional, provincial, and federal government agencies, as well as contractors and land and real estate developers. Close working relationships are maintained with clients and other professionals involved with projects so that optimal completion is assured.

The following is an outline of the major areas in which the company has expertise:

### **Foundations**

- Design of shallow foundations
- Design of deep foundations
- Foundation investigations
- Preparation of engineering reports
- Monitoring and supervision of construction
- Bridge foundation design

### **Retaining Structures**

- Mechanically stabilized earth walls
- Reinforced soil retaining walls
- Anchored reinforced concrete curtain walls
- Standard gravity walls
- Cantilever walls

### **Natural Hazards**

- Slope stability assessments
- Sinkhole and piping of collapsible soils
- Stream erosion
- Flood control and remediation

### **Dams and Embankments**

- Investigation, design, and construction supervision of dams
- Dam safety reviews

### **Pavement Structure Evaluation and Design**

- Pavement structure investigation and design
- Forensic investigation of pavement and roadway embankment failures
- Pavement evaluation

### **Underground Utilities Installation**

- Geotechnical investigations and design recommendations related to the geotechnical aspects of underground utilities installation

### **Materials Testing**

- Fully equipped asphalt, soils and concrete laboratory

### **CCIL Certified Tests**

- Asphalt:  
Type B - Asphalt Mix Compliance-Marshall Method, Ignition Oven - D6307
- Soil:  
Type C - C702, C117, C136, D4791, D5821  
Type D - C88, D6928, D7428, D4318, D698, D1557  
Superpave Aggregate Consensus Properties - AASHTO T176/D2419
- Concrete:  
CSA A283 Category "I" Intermediate