



## Project: ILM Transmission Line – Deep Foundations

### Highlights

**Owner:** BC Hydro  
**Client / Contractor:** Flatiron Graham JV  
**Contract Value:** Approx. \$12 million

**Work Completed:** April 2014  
**Region:** Vancouver, BC  
**Technology/Service:** Driven Pipe Piles

### Scope

Keller was contracted by Flatiron Graham, a joint venture (FGJV) to undertake installations of the deep foundations on the Interior to Lower Mainland (ILM) Transmission Line Project. The project footprint ranged from Merritt to Coquitlam BC, adjacent to an existing 500kV line constructed in 1970. Keller's work scope involved the supply and installation of permanent pipe casings, rebar, and concrete materials for each foundation structure located in seismically sensitive areas. A total of 24 tower foundations required pilings. Work commenced in July of 2013 and wrapped up in April of 2014.

### Fast Facts

- 4,900 meters of 762mm, 914mm, 1,067mm, & 1,219mm pipe
- 1,230,000 kilograms of rebar
- 3,400 cubic meters of concrete poured via tremie method
- 2,500 cubic meters of water treated during tremie pours
- 100 kilometers between extremities of piled tower foundations

### Results/Value

All work was completed on time and on budget with no rework while achieving an exceptional safety record of zero lost time incidents over close to 39,000 manhours on site.