



**Project:** Rose Bay Creek Bridge

**Client:** Sydney Water

**Principal Contractor:** Roads & Traffic Authority NSW

**General:**

Replacement of culvert and bridge at New South Head Road, Rose Bay. The work originally planned to be carried out in up to six (6) stages. Within each stage, Piling sessions were scheduled. Ground conditions and heavy traffic volume next to the bay were challenging and demanded also were stringent environmental controls.

**Scope of Works by Avopiling**

- More than 80 piles of 600mm dia. x approx. 18m deep founded in dense sand used as foundation piles for the bridge
- In between the foundation piles short CFA piles founded below creek bed to avoid fines getting into the bay



**Contact AVOPILING Pty Ltd**

Head Office Tel. (02) 8467 1300 Fax (02) 9417 5055 Mob. 0419 270 470  
Brisbane Tel. 0408 433 781 Fax (07) 3491 6246  
Email [info@avopiling.com.au](mailto:info@avopiling.com.au) Web [www.avopiling.com.au](http://www.avopiling.com.au)



**Piling beside Woolahra Golf course with additional environmental controls**

- Sub soil conditions with Water charged loose sand made the piling process difficult and slow
- Maintaining 50MPa concrete within the specification requirements has been challenging due to hot weather conditions and travel time from batching plant to the site through heavy traffic



Managing the drilling process



Drilling with environmental controls in place

**RTA (NSW) Senior Project Engineer's words**

***"I witnessed a pile installation this morning along with the bloke who writes the RTA standard Specs for piling and concrete. I must say it looked a neat, seamless operation with good communication between all your crew..."***

**Contact AVOPILING Pty Ltd**

Head Office	Tel. (02) 8467 1300	Fax (02) 9417 5055	Mob. 0419 270 470
Brisbane	Tel. 0408 433 781	Fax (07) 3491 6246	
Email	<a href="mailto:info@avopiling.com.au">info@avopiling.com.au</a>	Web	<a href="http://www.avopiling.com.au">www.avopiling.com.au</a>