



Leak Sealing & Waterproofing • Concrete Repairs • Crack Injection • Pressure Pointing & Grouting • Structure Condition Surveys • Protective Coatings • Joint Sealing
Diamond Drilling & Sawing • Concrete Bursting & Crunching • Robotic Demolition

Scheme: **Grand Union Canal Rowington Embankment**

Problem: **Seepage of canal water through original precast concrete piled wall lining**

Solution: **Injection of aquareactive polyurethane resin grout**

Client: **British Waterways / Morrison**

Works duration: **3 weeks**

Contract value: **£52,000.00**

Date: **February – March 2007**

Concerns over long term seepage of water through the towing path wall along a raised section of the Grand Union Canal at Shrewley led British Waterways framework contractor Morrison to approach Ram Services Limited for advice.

Gaps between precast concrete piles lining the canal were found to be allowing voids to form behind the piles, allowing water to exploit weaknesses in the canal bank and create flow paths through the bank to lower levels beyond.

Ram services devised a method to seal the gaps between the piles with hydraulic cement, and then to fill the voids behind with expanding chemical grout, thereby sealing the leak paths into the towpath bank and beyond.

Work was undertaken during a planned de-watering of the canal, using a range of lightweight and easily portable equipment.

Ram Services Limited has completed similar leak sealing work elsewhere for a wide range of clients.

