



Throughout the country, our customers turn to Nicholson Construction Company because of our leadership in high quality and cost-effective ground treatment techniques including cement grouting. Cement grouting is the injection of specially formulated cement-based mixes into the ground to improve its strength or reduce permeability. Nicholson offers a wide range of placement techniques for new, remedial or redevelopment applications.

Cement grouting is most commonly performed by drilling holes into the foundation to intercept open cracks, joints, fissures or cavities, then pumping under pressure balanced and stabilized grout mixes using a combination of cement, water and additives. For larger, more complex projects, enhanced quality control is available through real-time computer aided grouting. The Soletanche Bachy Group has been a leader in electronic monitoring systems for geotechnical processes since the mid 1980s. Nicholson currently uses the GROUT I.T. computer monitored grouting software when warranted by the project complexity and/or owner specified requirements. Nicholson has the unmatched experience and value-added engineering capabilities to develop the most viable and cost-effective cement grouting solutions.

COMMON USES:

- Rock foundation treatment for dams
- Rock cutoff curtains
- Pressure injected anchors
- Ground treatment for tunneling applications
- Void filling in mines