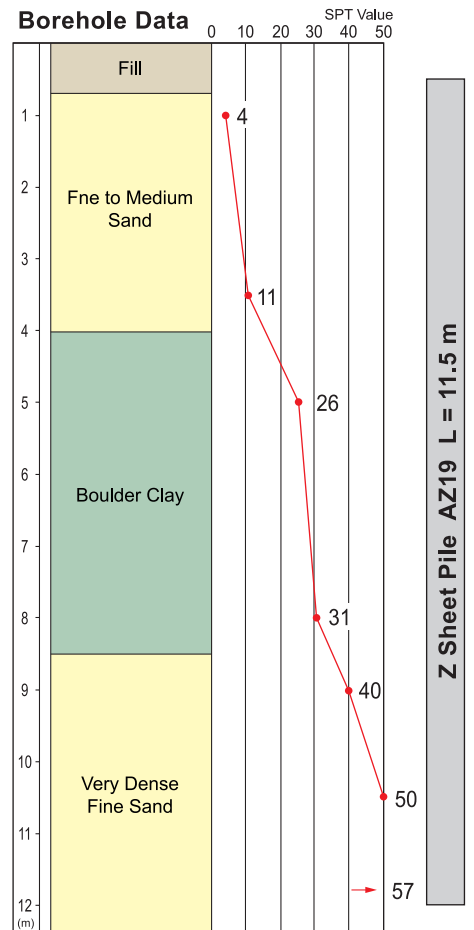


Brandenburg, Germany



| | |
|--------------------|---|
| Type of Project | Canal Widening Project |
| Purpose of Piling | Permanent Retaining Wall |
| Site Location | Brandenburg, Germany |
| Duration of Work | July to August, 2004 |
| Client | Water and Shipping Authority in Berlin |
| Piling Contractor | Giken Europe B.V. |
| Press-in System | Press-in Method with Simultaneous Augering |
| Press-in Material | Z Sheet Pile AZ19 L=11.5m |
| Press-in Machinery | Super Crush Z Piler SCZ-675SM |
| Method Description | Silent and vibration-free operation. Press-in work into boulder clay and very dense sand.(Hard ground) |

SPT value over 50 is extrapolated.