

Retaining Wall Backfill

Canary Wharf, London, England

1988 & 1997

Density: 500 kg/m³

Volume: 50,000 cu. m.

Two raised parallel roads form the backbone of London's Canary Wharf infrastructure. The elevated sections of the roads, which incorporated all of the utilities for the business center had to be constructed maintenance-free. The designers were looking for a high-performance void-filling material that required no compaction and at the same time would not add too much weight. PROVOTON foam concrete was chosen for its unique properties as the light-weight backfill between the retaining walls that support the utilities and roadway. The foam concrete allowed for minimal use of skin friction piles, which greatly reduced foundation costs.

