

Belvedere Link Road

Road Embankment supported by Augeo Piles

BELVEDER LINK ROAD - AUGUST 2010

Cofra UK were employed to install 1777 No. piles ranging in depth from 6.5 to 9.0m. The piles were installed in two phases such that access to the businesses part way along the road could be maintained. Cofra provided a design and install service for the Client, London Borough of Bexley. Once the piles had been installed, the voids between the piles were filled and blinding concrete placed. The continuously reinforced slab was then cast over the top of the piles to create the road.

As the installation is by displacement only (there is no hammer or vibration) the Augeo pile system was particularly suitable for installation either side of the Thames water sewer running parallel within the footprint of the road for over half of it's length.

Photo 1: Completion of phase 1 piles with backfill operation in background.

Photo 2: Enlarged pile head with reinforcement

Photo 3: Blinding concrete placed between pile heads

Photo 4: Road slab construction on top of Augeo piles



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