

Bored Piles with B360_{XP}

PROJECT DESCRIPTION

- ONE MILE ELMS, Vauxhall, LONDON
- Project description: Foundation for Residential and hotel Buildings including two towers of 58 (height 200 m)
- Main contractor: CI-ONE
- Owner: Dalian Wanda
- Design: Kohn Pedersen Fox (KPF)
- Schedule: started on July 2015- opening expected on 2018

PROJECT QUANTITIES AND GENERAL DATA

- Type of piles: bored piles
- Diameter - n°: 900 mm - 28; 1050 mm - 13; 1200 mm - 2; 1500 mm - 57; 1800 mm - 30; 2100 mm - 8
- Depth: 50 – 60 m
- Reinforcement cages: full length

PRODUCTION DATA

Piles Ø 1800 mm x 52 m depth | 10 m cased:

- Positioning and drilling single pile: ~ 6 h

SOIL FEATURES

- Sand and London clay

EQUIPMENT

- Casagrande B360xp arranged with:
 - Engine CAT C15 – 403 kW – emission stage 3B
 - Main winch – 415 kN nominal line pull
 - Pull down winch: · 600 kN nominal extraction/crowd force
· 19 m stroke
 - H40 rotary head with casing driver with cardan joint
 - S50 HD 4 x 19 m interlocking kelly bars
- Casagrande B400 HT H40 arranged with pull down winch









