

# Contiguous Pile Wall

## Tesco, Hastings, East Sussex

United Kingdom



### CFA and CASED CFA Contiguous Bored Pile Wall

#### Introduction

Tesco were looking for a quick solution for their replacement store at St Leonards near Hastings, to enable their new store to open by Christmas 2008. So delays were not an option, and any program savings would be appreciated.

The original scheme involved the use of conventional high productivity CFA rigs with the option of the possible use of high torque Rotary LDA rigs, should the limestone prove to strong for CFA. The additional soil investigation confirmed the mudstone levels, as well as the limestone thickness and level to the east.

Bachy Soletanche offered a flexible approach to use a conventional Soilmec SF 120 CFA rig where possible, and then the more powerful Bauer BG28/36 Cased CFA rig where the rock obstructed the lesser rig. The SF120 rig was found to be able to penetrate the mudstone with specially modified auger teeth.

With this flexible approach Bachy Soletanche were able to improve upon the target production and complete piling two weeks early.



High Torque Cased CFA Rig with soil handler



Conventional Medium Torque CFA Rig

CLIENT:	Tesco Stores
MAIN CONTRACTOR	Taylor Woodrow
CONSULTING ENGINEER:	SKM Anthony
DURATION OF WORKS:	9 weeks, Programme 11

#### Works Quantities

436no. 750mm diameter piles at 1.2m centres, of an average depth of 12m, for 3no. Contiguous piles walls of 70m, 110, and 340m lengths.