

COLETS PILING

Contract No. S23862

Date: 14/3/2012

Re: Farnrise Construction – Arundel Museum, West Sussex

GENERIC METHOD STATEMENT FOR CONTINUOUS FLIGHT AUGER PILES

- 1) Arrange a pre- contract meeting to discuss access, programme of works and contract requirements in general.
Held (8.3.12)
- 2) A survey of the party walls is to be carried out by yourselves prior to piling commencing. A copy of the report is to be forwarded to Colets Piling for our retention
- 3) We will exercise all due care during the piling operations. Nuisance and vibration will be kept to a minimum and in a consequence the piling method adopted will be Continuous Flight Auger using a Crawler Mounted Drilling Rig.
- 4) The Main Contractor will accurately set out pile positions using steel pins, 2 days prior to piling commencing.
- 5) The piling rig banksman will install two offset pegs of a given dimension from the pile position prior to commencement of the drilling operation
- 6) The Piling Rig Operator under instruction from the Banksman moves into position Over pile setting out pin. The auger is then brought into the vertical position and the rig secured by means of an out rigger foot.
- 7) Bore approximately 1.0 metre in depth and check the dimensions to off set pegs. Having satisfied ourselves that the pile has not moved from initial positions, bore down to the correct pile base level.

SOUTHERN AREA OFFICE:
The Old Village Hall
The Streer, Effingham
Surrey KT24 5JS

EASTERN AREA OFFICE:
Church Field House, Church Field Road
Chilton Industrial Estate, Sudbury
Suffolk CO10 2YA

CENTRAL AREA OFFICE:
Mayes Lane, Sandon
Chelmsford
Essex CM2 7RP



- 8) The pile will then be drilled to the length detailed in Colets Pile Design calculations , as the auger penetrates to the required depth the resultant bore spoil is flighted up the auger for clearance at high level. This process prevents contaminated spoil being taken from high levels to the to the chalk and lower zones
- 9) At this point the concrete pump will start operating and as the flight is extracted, concrete is pumped under pressure down the centre of the auger Thus forming the pile and preventing contamination from falling into the bore. The concrete will be cast to piling platform level for the main contractor to cut back to final cut off level at a later date.
- 10) During the concreting operations, continuous pressure monitoring and concrete pump stroke counts are carried out by our site personnel.
- 11) A 360 tracked excavator (provided free of charge by others) then clears the spoil from around the pile head. Once this operation is done the reinforcement cage is lowered into the pile by means of a vibrating clamp.
- 12) All cages will be adequately tied using 16g tying wire and 100mm diameter wheeltype plastic spacers fixed to provide a minimum of 50mm reinforcement cover.
- 13) All Colets site foremen are skilled in piling and are competent to manage and direct the works. The piling operatives consist of 3 men, namely a rig driver/foreman, pump operator and banks man. Adequate site supervision will also be provided by visiting supervisors/engineers.
- 14) Our foreman will prepare pile schedules and drivers log sheets on a daily basis and submit a copy to the main contractor for his retention. This information will contain date installed, pile No., bored and concreted depth, etc.
- 15) Concrete cubes are the Main Contractors responsibility.
- 16) Integrity testing will be carried out by an independent testing house, if required, but only after the pile heads have been prepared and cut down to cut off level by others.