

CONTINUOUS FLIGHT AUGER PILES

ATTENDANCES REQUIRED FROM CLIENT TO SPECIALIST PILING CONTRACTOR

For the purposes of this document the following definitions shall apply:

Specialist - Piling Specialist Client - Person directly employing the Specialist

Client - Person directly employing the Specialist

Specialist Works - Any operation or installation undertaken by the Specialist

Working Surfaces - Any platform, ramp, lay-down, sstorage area or the like required to be used by the Specialist

The following attendances and facilities shall be provided and maintained at all times (including additional working hours if necessary) for the duration of and in relation to the specialist works, free of charge to the specialist and in a manner so as not to disrupt or restrict the regular progress of the specialist works.

- 1. Notices and Approvals.** Giving all notices and obtaining all necessary approvals, licences and sanctions, including but not limited to any method statement and/or design submission approvals, planning consents, party wall agreements, wayleaves, easements, possessions, rights of way or access and the like from third parties.
- 2. Rates and Fees.** Payment of any rates or fees which may become payable due to occupation of the Specialist Works.
- 3. Design Information.** No later than three working weeks (or other period as agreed) in advance of the programmed commencement of the Specialist Works on site, provide the Specialist with complete and final construction issue drawing(s), specification(s), pile/panel load schedule(s) in electronic spreadsheet format, and other relevant information required to undertake the Specialist Works. Any variation to these documents to be notified to the agreed contact in hard copy format.
- 4. Existing Services.** Accurate setting out and clear and robust marking or exposing on site the exact location of existing underground/overhead services and providing a drawing on which their positions in line and level are accurately plotted relative to the Specialist Works. Protection, diversion or removal of such services to prevent damage from the Specialist Works. The location and sealing off of all disused pipes or ducts in order to prevent the entry of concrete, grout, slurry or drilling fluids during construction. Subsequent to the foregoing, issue to the Specialist's authorised representative on site a permit to dig or similar system on a daily or as otherwise agreed basis.
- 5. Obstructions.** Prior removal of overhead, surface or underground obstructions which may impede the Specialist Works and backfilling of excavations and voids with a suitable material which will not obstruct or be deleterious to the works but which will ensure the stability of the Specialist Works and will maintain compliance with Items 11, 12 and 13. If "shallow" natural or artificial obstructions including boulders, claystones, timber, steel etc. are encountered which cannot be penetrated adopting our standard procedures, we shall withdraw from the pile positions whilst the obstruction is removed and resultant excavations backfilled and compacted with suitable materials, by others, at no cost to ourselves. In the case of "deep" obstructions it may be necessary to abandon the pile and request alternative pile position(s) or other instructions.
- 6. Shoring/Underpinning.** Shoring and underpinning as necessary, including the removal, replacement or adjustment of timbering or shoring which may impede the Specialist Works.
- 7. Clearance.** The provision of clearance around working positions and protection to adjacent works, structures (including underground structures), third party property and other site boundary constraints, to allow the execution of the Specialist Works.
- 8. Fencing, Hoardings, etc.** Hoardings, fences, noise and splash barriers, footpath canopies, statutory warnings, signage, flagmen or the like as necessary to protect the works, plant, materials, personnel and to provide protection to third party property and members of the general public at or adjacent to the site boundaries. This shall include protection from concrete/slurry splashing, exhaust, oil, grease etc.
- 9. Traffic and Pedestrians.** Control or diversion of road, rail or water borne traffic, including all necessary arrangements and payment of charges in connection with any road closures, lane rental and/or suspension of parking bays, rail possessions and the like.
- 10. Watching.** Provision of security to safeguard the plant, equipment, materials on the site and the Specialist Works.
- 11. Access.** Full, free, controlled and uninterrupted access onto the site(s) from hard road to Working Surfaces designed, installed, maintained and repaired as required under Item 13, including protective mats and all other equipment and measures necessary to ensure the safety of pedestrians and to avoid the risk of damage to third party property, including road surfaces, kerbs, footpaths/pavements, surfaces and services. Such access to facilitate the safe erection, operation and movement on, off and around the site(s), to and between lay-down, working and storage areas, pile/panel positions and test piles/panels for plant including provision and where necessary relocation of ramps, including to concrete agitators, to a gradient not steeper than 1 in 10.
- 12. Hardstanding and Storage Areas.** Provision, subsequent removal and exclusive use of conveniently situated hardstanding and storage areas designed, installed, maintained and repaired as required under Item 13 to facilitate the safe operation and erection of plant and equipment, storage of plant, equipment and materials, offices, sheds and the manufacture of reinforcing cages. Where it is not possible for the Specialist to have exclusive use of the Hardstanding and Storage areas, the Specialist's agreement to any other activities to be carried out concurrently must be obtained before they are commenced.

13. **Working Platform.** Design, installation, maintenance, regular inspection, repair and subsequent removal and exclusive use of free draining Working Surfaces in accordance with the requirements of the attached FPS Working Platform Certificate, a signed copy of which must be provided to the Specialist prior to the Specialist's commencement. The design(s) shall include for all piling rigs, ancillary plant and equipment and wheeled transport including articulated and ready mixed concrete lorries and the checking of any retaining structures which support the Working Surfaces. Where it is not possible for the Specialist to have exclusive use of the Working Platform, the Specialist's agreement to any other activities to be carried out concurrently must be obtained before they are commenced.
14. **Surface Water and Groundwater.** Any pumping or drainage required to keep the site free of flooding, surface water or any water and slurry arising from the Specialist Works.
15. **Offloading and Loading.** Availability free of charge, and for uninterrupted use, of appropriate work equipment or facilities complying with the Construction (Design and Management) Regulations 2007 & Work at Height Regulations 2005 (as amended 2007) to prevent falls from delivery vehicles.
16. **Health, Safety and Welfare.** Health, safety and welfare facilities as required to comply with the CDM (2007) Regulations and any other statutory regulations or rules, orders or regulations of any authority having powers related to the Specialist Works. Such facilities as a minimum to include the supply of drinking water, washing facilities including hot and cold running water, male and female changing/drying and toilet facilities.
17. **Environmental.** Attendances, facilities and licences to comply with environmental legislation and rules/order or regulations of the Environment Agency and other statutory bodies.
18. **Temporary Lighting.** Background and task lighting to Working Surfaces to allow safe working and safe access and egress and to facilitate execution of the Specialist Works.
19. **Water Supply.** Within the working, storage and preparatory operation areas, potable water supply at mains pressure take-off points and sufficient for the operations, including (where applicable) charging of bores, bentonite/drilling fluid mixing, concrete/grout mixing and cleaning of plant.
20. **Electricity.** Within the working, storage and preparatory operations areas, sufficient power take-off points and power.
21. **Communication Facilities.** Provision of site telephone facilities and/or electronic data transfer facilities and/or designated areas for the use of mobile telephones as applicable.
22. **Guide Walls.** The setting out and checking, construction and later removal of reinforced concrete guide walls (where required). The top of the guide wall shall be a minimum of 1.5m above water levels encountered during construction of the Specialist Works.
23. **Setting Out.** Provision of clear, accurate and robust setting out and levels, checking and maintenance of individual pile/panels positions as necessary throughout the contract, provision of permanent datum points, base lines, structural grid lines as required and as built survey information.
24. **Checking.** Checking the positions and levels of all piles/panels, during the progress and on completion of the Specialist Works (where practicable) including the prompt countersignature of the Specialist's record sheets by an authorised representative of the Client before the Specialist's plant has left site.
25. **Attendant Excavator.** The provision of a 360 degree tracked excavator (and appropriately qualified operator) with a certificated minimum 1Tonne lift capacity in full time attendance to each rig for all operational purposes including removal of excavated or displaced material (including mud slurry and excess concrete from around the Specialist Works) in sufficient time to prevent the formation of spoil heaps impeding the Specialist Works, the handling of concrete delivery pipes, the unloading, transportation and installation of reinforcement and other general duties.
26. **Spoil Removal and Waste Management.** Classification, removal from site and disposal of excavated or displaced material including mud slurry and excess concrete from the Specialist Works in accordance with current legislation, rules/order or regulations of the Environment Agency and other statutory bodies including notification to the Environment Agency where arisings are classified as hazardous waste. Classification and disposal from site of wastewater from the Specialist Works (such as concrete wash out from agitators and ready mixed concrete delivery trucks) to comply with current legislation, including for filtering or the provision of settlement tanks as appropriate.
27. **Wheel and Road Cleaning.** Manned wheel-cleaning facilities and/or road-cleaning, as necessary.
28. **Protection.** Protection of the works where taken over by other trades or contractors or where the Specialist has left site, whichever occurs first.
29. **Empty Bore/Panel Reinstatement.** Backfilling of any empty bore/panel excavation with a suitable material which will not obstruct or be deleterious to the works but which will ensure the stability of the Specialist Works and will maintain compliance with Items 11, 12 and 13.
30. **Building up.** Building up of piles/panels or any necessary modification to the sub-structure as a result of the piling platform level being less than 0.45m (or as otherwise agreed) above the specified cut-off level.
31. **Trimming.** Cutting back heads of piles/panels, including overbreak and casing left in, down to the specified cut-off levels (including preparation of the surface of the pile head for integrity testing); cutting back overbreak from the face of retaining walls; disposing of debris; and preparing, straightening, cutting and bending the reinforcement, including test piles/panels, caps and reaction piles/panels or anchors; provision of all necessary engineering, setting out and level control to facilitate the installation of debonding materials/agents to agreed pile/panel reinforcement placement tolerances. Stripping formwork to recesses and box outs etc, including templates to starter bars or bolts.