



EFFC Special Conditions for Specialist Foundation Works

The EFFC supports the use of standard contract forms wherever possible. The Contracts Working Group of the Federation has identified a need for standard conditions to cover the special facilities which are required for foundation work. The following document is the product of collaboration between all Members of the EFFC.

With the assistance and co-operation of Members, the EFFC Special Conditions will become well known and the need to negotiate terms for each contract will be eliminated – saving time and money for both the foundation contractor and the client.

When using these conditions foundation contractors should adhere to the following principles:-

1. the language of drafting is English and the English version should take precedence in any dispute concerning translation or interpretation;
2. unwanted clauses should be deleted entirely;
3. additional items should be written separately into tender documents;
4. if only part of a clause applies, the whole clause must be deleted and the required part can be reinstated elsewhere in the offer/contract.

COMPANY NAME:

CONTRACT NAME:

TENDER REF:

SPECIAL CONDITIONS FOR SPECIALIST FOUNDATION WORKS

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

Specialist: Contractor for the specialist foundation works
Client: Employer or Main Contractor directly employing the Specialist

The following conditions apply to the specialist works. Where facilities and attendances are to be provided these shall be maintained by the Client 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. In the event of such facilities not being provided to the Specialist's satisfaction; the Specialist reserves the right to provide them and to charge the client for the cost of providing the facilities and for any consequent delays.

The Client shall be responsible for:-

1. **Health & Safety.** Provision of welfare and safety facilities to comply with statutory regulations or rules, orders or regulations of any authority having powers related to the specialist works. As well as proper co-ordination for health and safety matters in accordance with the Mobile Sites Directive 92/57/EEC amended by 2007/30/EC.
2. **Site investigation report.** Provision of an adequate site investigation report including chemical assessment of the groundwater and soil in accordance with the EFFC (Checklist for Site Investigation).
3. **Unforeseen ground conditions.** Where the physical or chemical conditions are at variance from those shown in the SI report the specialist will be compensated for all additional costs incurred.
7. **Working Area/Hardstandings.** Full and free access to a suitably prepared working area which will have a firm, dry, hard, all-weather surface. Working platforms must be designed, properly constructed, regularly inspected and maintained for the plant which will use them. The signed Working Platform Certificate (WPC) confirms that the working platform has been properly designed, constructed in the accordance with the design, and will be regularly inspected and adequately maintained to ensure the integrity of the platform is maintained. It requires the signature of the Principal Contractor and must be handed to the specialist before piling (or other work) commences on site. The design of the working platform must take account of the bearing pressures of the plant which will use it and the ground conditions on which it will be constructed. It should be undertaken by a qualified designer with appropriate geotechnical expertise. This shall provide an adequate working space, including staging and storage where necessary, prepared and maintained in a manner suitable for safe working of mobile plant and equipment, and transport. Proper account must be taken of the weight of plant and equipment.
5. **Existing Services.** Clear and substantive setting out, marking or exposing on site the exact location of existing underground and overhead works and services and providing a drawing on which their positions in line and level are accurately plotted relative to the specialist works. Adequate protection, diversion or removal of such works or services in order to prevent damage from the specialist's operations. The location and plugging off of all disused pipes or ducts in order to prevent the entry of concrete, grout or drilling fluids during construction.

6. **Obstructions.** Prior removal of overhead, surface or underground obstructions which may affect or impede the specialist's operations or quality of the works and backfilling of excavations and voids with a suitable material which will not obstruct or be deleterious to the works but will ensure the stability of the specialist's plant etc.
7. **Unexpected Obstructions.** Removal of unexpected man made obstructions (including archaeological items) and reimbursement of additional costs, including delays, to the specialist works.
8. **Access Roads.** Provision and maintenance of adequate means of access from a hard road to the working/hardstanding and storage areas. Provision of all weather working surfaces between working/hardstanding areas and storage areas for safe movement of mobile plant and equipment and transport; all ramps should be to a gradient not steeper than 1 in 10.
9. **Offices and Storage.** Provision and subsequent removal if required of adequate firm, dry, reasonably level working areas, prepared and maintained in a manner for the safe operation and erection of plant. Conveniently situated areas on site for storage of plant, equipment and materials for offices, sheds and the manufacture of reinforcing cages, tie backs, etc prepared and maintained as for the access roads..
10. **Surface Water and Groundwater.** Any pumping or drainage required to keep the site free of surface water or any water and slurry arising from the operations, including lowering of ground water if required. Where there is a risk of flooding, the provision and maintenance of escape routes to allow safe removal of equipment and the establishment of a suitable early warning system.
11. **Setting Out.** Clear and substantive setting out and maintenance of individual pile/panel/drilling positions as necessary throughout the contract and the provision of permanent levels, datum points, base lines and structural grid lines. Client to provide Specialist with document confirming the above.
12. **Materials.** Provision of materials if required under the contract in the specified quality and necessary quantity to avoid delay to the specialist works.
13. **Water Supply.** Provision within the working, storage and preparatory operation areas of clean water supply at take off points with sufficient pressure and rate of flow for the operations including (where applicable) charging of bores, bentonite/drilling fluid mixing, concrete mixing and cleaning of plant. Minimum supply pipe diameter to be _____mm.
14. **Electricity.** Provision within the working, storage and preparatory areas, of suitable power take-off points and power. Minimum supply capacity to be _____ kVA.
15. **Telephone Facilities.** Provision of site telephone and internet facilities.
16. **Removal of Material.** Removal and disposal of excavated, displaced and waste material including mud slurry and excess concrete from around the specialist operation in sufficient time to prevent the formation of spoil heaps impeding the specialist's operations, as well as suitable areas for washing out concrete truck mixers. This shall include the full time attendance of an excavator, backhoe, or trucks (or similar), with operators, to each rig for all operation purposes.
17. **Wheel and Road Cleaning.** Manned wheel-cleaning facilities and/or road-cleaning as necessary.
18. **Schedule of Condition of Existing Structure(s).** Preparation of a Schedule of condition before the commencement and after the completion of the specialist works.
19. **Monitoring.** All monitoring required including measurement of movement, vibration, noise, hydrological and environmental conditions.
20. **Notices.** Giving all notices and obtaining all necessary permits, approvals, licences and sanctions, including but not limited to any wayleaves, easements, possessions, rights of way or access, including approval to work multiple shifts if required.
21. **Rates and Fees.** Payment of any rates or fees which may become payable due to the occupation and/or execution of the specialist works.

22. **Protection.** Protection of the works where taken over by other trades or contractors or where the specialist has left site.

23. **Watching.** Provision of security to safeguard the site and the specialist works, including, for example, offices, plant, equipment, and materials.

24. **Fencing, Hoardings, etc.** Provision of hoardings, fences, noise, dust and splash barriers, statutory warnings, flagmen or the like as necessary to protect the works, plant, materials, personnel, third party property, and the general public.

25. **Clearance.** Provision of adequate clearance around working positions for the Specialist's operations and equipment including sufficient room for deliveries, storage and materials as well as protection to adjacent works and third party property. The minimum clearance to be agreed.

26. **Hazardous Materials.** Provision for storage of fuel, gas bottles, explosives, flammable and other hazardous materials as may be required and arranging for the requisite licence.

27. **Temporary Lighting** Suitable background and task lighting to working areas to allow safe working and safe access and egress to facilitate execution of the specialist works.

28. **Traffic.** Control or diversion of road, rail or water borne traffic. Installation, maintenance and removal of all necessary road signs.

29. **Shoring/underpinning.** Shoring and underpinning as necessary, including the removal, replacement or adjustment of timbering or shoring which may impede the specialist's operations.

30. **Protection of Adjacent Buildings/Equipment.** Provision for the protection of buildings/sensitive equipment in the vicinity of the site.

31. **Toxic Materials.** Adequate provision for removal, or containment of, or protection from toxic materials encountered.

32. **Health & Safety Plan.** The project supervisor shall ensure that prior to the setting up of a construction site a health & safety plan is drawn up.

33. **If not sufficiently covered elsewhere.** When the work is being carried out, principles shall be applied, in particular as regards:

(a) keeping the construction site in good order and in a satisfactory state of cleanliness;

(b) choosing the location of workstations bearing in mind how access to these workplaces is obtained, and determining routes or areas for the passage and movement and equipment;

(c) the conditions under which various materials are handled;

(d) technical maintenance, pre-commissioning checks and regular checks on installations and equipment with a view to correcting any faults which might affect the safety and health of workers;

(e) the demarcation and laying-out of areas for the storage of various materials, in particular where dangerous materials or substances are concerned;

(f) the conditions under which the dangerous materials used are removed;

(g) the storage and disposal or removal of waste and debris;

(h) the adaptation, based on progress made with the site, of the actual period to be allocated for the various types of work or work stages;

(i) cooperation between employers and self-employed persons;

(j) interaction with industrial activities at the place within which or in the vicinity of which the construction site is located.