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MODEL CLAUSES FOR CIVIL ENGINEERING WORKS

SECTION 72 CAST-IN-PLACE PILES

NOTES TO SPECIFIER:

These notes do not form part of the Specification.

Items that need to be considered and included where appropriate either in this Appendix and/or on the Contract Drawings as Particular Requirements for cast-in-place piles include:

(a) specified working loads (SWL)
SWL for working piles which are to be tested, are shown on Schedules 70B and C of the Appendix to Section 70,

(b) additional performance criteria for piles under test are shown on Schedule 70A of the Appendix to Section 70 (see also table B1.2 of the ICE Specification),

(c) types of cement,

(d) cement replacement materials,

(e) types and sizes of aggregates,

(f) grades of concrete (see Clause 72.001),

(g) designed or prescribed mixes and maximum free water cement ratio,

(h) method of testing concrete workability,

[Example]

(i) grades and types of, and cover to, reinforcement,
[Pile reinforcement cages shall be fitted with spacers. The Contractor shall define the form and distribution of these spacers to check that the specified cover requirements are met.]

[Example]

(j) permanent casing,
[Where specified on the Contract Drawings, the Contractor shall verify that any permanent casing is of sufficient strength to withstand any forces to which it may be subjected during installation. The Contractor shall provide full details of any permanent casings in the Work Package Plan.]

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