

The following information is associated with Network Rail Standard:
[NR/L3/CIV/140/70N](#) Issue 2

Additional Content Access

Click the links below to access non PDF related content associated with this standard.

Word Documents

- [NR/L3/CIV/140/70N](#)

If you have any questions, or need assistance, please contact [IHS Support](#)

Information accessed via the links above is the property of the Copyright holder

IHS Additional Content Page

Reference	NR/L3/CIV/140/70N
Issue	2
Publication date	6 th March 2010
Compliance date	5 th June 2010

MODEL CLAUSES FOR CIVIL ENGINEERING WORKS

SECTION 70

GENERAL REQUIREMENTS FOR PILING

NOTES TO SPECIFIER:

These notes do not form part of the Specification.

Generally

70.1 Sections 70 - 75 provide a specification for piling works based on the "ICE Specification for Piling and Embedded Retaining Walls" (2nd Edition, 2007) hereinafter referred to as the ICE Specification. The Model Clauses in these Sections are qualifications, amendments or additions to the ICE Specification.

The specifier should refer to the ICE Specification (including the applicable guidance notes); BS EN 1997-1 and the NA to BS EN 1997-1; and Non-Contradictory Complementary Information in BS 8004 prior to compiling the Contract Specification Appendix Clauses for piling works.

Particular Specifications

70.2 Within the various sections of the ICE Specification reference is made to the Particular Specification. The Model Clauses in Sections 70 – 75 can be considered to provide the Particular Specification in respect of:

- *amendments, qualifications, deletions or additions to the ICE Specification,*
- *reference to relevant Contract Drawings,*
- *particular requirements for piling in a railway environment.*

No Model Clauses have been provided that could be considered as providing a Particular Specification for:

- *site specific requirements,*
- *pile specific requirements,*
- *specific requirements for pile testing.*

The specifier should determine such requirements for inclusion as the Particular Specification Appendix Clauses with reference to the relevant section and corresponding guidance notes in the ICE Specification.

Reference	NR/L3/CIV/140/70N
Issue	2
Publication date	6 th March 2010
Compliance date	5 th June 2010

The following matters required in the ICE Specification, section B1, to be described in a Particular Specification should be included elsewhere within the Contract, and are therefore not needed within the Appendix Clauses of a Particular Specification for piling works:

- *Supervising Officer (Employer's Representative),*
- *Location and description of the Site,*
- *Nature of the Works,*
- *Working area,*
- *Sequence of the Works,*
- *Other works proceeding at the same time,*
- *Contract Drawings,*
- *Office and other facilities for the Employer's Representative,*
- *Site datum and site grid,*
- *Restrictions on permissible working hours, including details of absolute possessions, protection T(II), and isolations available for the piling work,*
- *Details of ground investigation reports.*

The Particular Specification for materials and testing requirements for reinforced concrete within concrete piles should be provided by the inclusion in the Contract Specification of relevant Model Clauses from Section 80 (Structural concrete). Similarly for steel piles, the Particular Specification for materials and testing requirements for steel should be provided by the inclusion in the Contract Specification of relevant Model Clauses from the applicable steelwork Section, i.e. Section 90 (Structural steelwork), Section 140 (Steelwork hot rolled sections) or Section 141 (Steelwork cold formed sections).

Where a default has been provided in the ICE Specification, the default has been assumed to apply, and no Particular Specification requirement included.

Pile design by the Contractor

70.3 *Clause 70.002 has been written to invoke Option 2 in the ICE Specification, clause B1.4, thereby assuming that the Contractor will design the piles but not the complete Works.*