

FENCING

Contents

<i>Clause</i>	<i>Title</i>	<i>Page</i>
301	General	24
302	Requirements for Temporary and Permanent Fences	24
303	Temporary Fencing	24
304	Timber Quality	24
305	Fittings	24
306	Permanent Fencing	24
307	Permanent Fencing for Accommodation Works	25
308	Gates and Stiles	25
309	Removing and Re-erecting Existing Fences and Gates	25
310	Not Used	25
311	Preservation of Timber	25
312	Painting of Timber Fences, Gates, Stiles and Posts	25
313	Concrete Fencing	26

Fencing

301 General

- 1 Temporary fences and permanent fences shall comply with this Series.

302 Requirements for Temporary and Permanent Fences

- 1 As soon as the Contractor is placed in possession of any part of the Site he shall immediately erect fencing on the boundaries of the land as shown on the Drawings. In places where permanent fencing cannot be erected immediately or where none is required, the Contractor shall erect, and when and where required re-erect and maintain, temporary fencing and subsequently take down and remove as necessary. The type of temporary fencing shall be chosen by the Contractor, unless otherwise described in Appendix 3/1, and may be selected from the standard types for road works shown in the NRA Road Construction Details, taking into account the usage of the adjoining land. Unless otherwise described in Appendix 3/1 or agreed by the Engineer, the Contractor shall not use barbed wire in areas accessible to the general public. Access shall be made in temporary fencing as necessary for the use of the occupiers of adjacent lands.
- 2 Temporary fencing shall remain in position either until it is replaced by permanent fencing or until its removal on completion of the Works, unless otherwise described in Appendix 3/1 or unless the Engineer directs its earlier removal.
- 3 When concrete for post footings is required, it shall comply with Clause 2602.

303 Temporary Fencing

- 1 Temporary fencing shall be appropriate to the usage of the adjoining land and, unless otherwise described in Appendix 3/1, may be selected from the types included in the NRA Road Construction Details.
- 2 If temporary fencing is removed temporarily for the execution of any part of the Works it shall be reinstated as soon as possible and in the meantime, subject and without prejudice to the Conditions of Contract, the gap in the fencing

shall be patrolled so that no unauthorised entry on to adjoining land takes place and no stock escapes from the adjoining land.

- 3 Unless otherwise described in Appendix 3/1, timber for temporary fencing need not have preservation treatment.

304 Timber Quality

- 1 Timber for use in the Permanent Works shall be one of the species referred to in Table 1 of RC 25, and preserved in compliance with Clause 311.
- 2 Timber for use in the Permanent Works shall comply with the grading requirements in Table 2 of RC 25.
- 3 Unless otherwise described in Appendix 3/1, timber for permanent fencing shall comply with RC 25; for field gates and posts with BS 3470; and for stiles, bridle gates and kissing gates with BS 5709.
- 4 Testing of timber for use in the Permanent Works shall comply with the requirements of RC 25 and Clause 105.

305 Fittings

- 1 Bolts, screws and nuts shall comply with BS 4190 : 1967 strength grade 4.6 or 4.8 unless otherwise described in Appendix 3/1. Washers shall comply with BS 4320. Nails shall comply with BS 1202. Bolts washers and nails shall be galvanized to comply with EN ISO 1461 unless they are stainless steel.

306 Permanent Fencing

- 1 Permanent fencing shall comply with RC 25, this Clause and the additional requirements described in Appendix 3/1. All permanent fencing, unless otherwise described in Appendix 3/1 shall be erected to present a flowing alignment both in plan and elevation following approximately the level of the ground and the Contractor shall trim the ground along the line of the fence when required in Appendix

3/1. The fencing shall be neatly and effectively joined to existing hedges, fences and to other structures and joined to parapets to comply with the NRA Road Construction Detail listed in Appendix 3/2.

- 2 Fencing for motorways, unless otherwise described in Appendix 3/1, shall be timber post and rail fence with four rails complying with RC 25 and the NRA Road Construction Detail listed in Appendix 3/2. Both ends of posts and rails shall be cross cut at right angles to the length of the piece. The timber species and preservation treatment shall comply with Clause 311 and any additional stockproofing required shall be as described in Appendix 3/1. Painting, if required in Appendix 3/1 shall comply with Clause 312.

307 Permanent Fencing for Accommodation Works

- 1 Permanent fencing shall be provided for accommodation works and shall comply with this Series and the particular requirements described in Appendix 1/15.

308 Gates and Stiles

- 1 Field gates and posts shall comply with BS 3470 and Clauses 304 and 311. They shall be provided to the dimensions shown on the NRA Road Construction Details. Painting, if required in Appendix 3/1 shall comply with Clause 312.

Fittings for field gates shall be as shown on the NRA Road Construction Details.

- 2 Stiles shall comply with BS 5709 and Clauses 304 and 311. They shall be provided to the dimensions shown on the NRA Road Construction Details.
- 3 Concrete for post foundations shall comply with Clause 2602.

309 Removing and Re-erecting Existing Fences and Gates

- 1 Where required in Appendix 2/3 existing fences, gates and stiles, with posts shall be carefully taken down, laid aside, removed or later re-erected in compliance with Clauses

306, 307 and 308 as specified in sub-Clause 201.6 or as directed by the Engineer.

- 2 Fences, gates, stiles and posts which are to be re-erected shall have any existing paint removed and be prepared and treated to comply with Clause 312 or where appropriate be re-treated with two coats of creosote complying with BS 144: Part 1.

310 Not Used

311 Preservation of Timber

- 1 Prior to preservation treatment the timber quality shall comply with Clause 304. Defects unaffected by moisture content will not be accepted at any time.
- 2 The preservation of timber shall conform to the requirements of RC 25.
- 3 Timber required to be subsequently painted shall not be treated with creosote.

312 Painting of Timber Fences, Gates, Stiles and Posts

General

- 1 Painting shall be carried out in accordance with the recommendations in the Code of Practice BS 6150.
- 2 All timber fabricated into units before delivery to the Site and which is required to be painted shall be primed at the works.

Priming

- 3 Surfaces of wood shall be clean and dry before being primed with low lead solvent thinned priming paint complying with BS 5358 or ready mixed aluminium priming paint complying with BS 4756.

Undercoats and Finishing Coats

- 4 After erection all exposed primed surfaces shall be painted with one coat of undercoat as described in Appendix 3/1.
- 5 Two finishing coats of the colour and type described in Appendix 3/1 shall be applied.

313 Concrete Fencing

- 1 Concrete fencing shall comply with IS 252, the NRA Road Construction Details and the additional requirements described in Appendix 3/1.