**NG Sample Appendix 3/1 : Fencing, Gates and Stiles**

 *[Note to compiler: Include here:]*

**1**. **Wooden Fencing, Gates and Stiles**

(i) Preservation, Treatment / Painting *[Only included when the compiler wishes to specify the preservative or painting specifically].*

(ii) Trimming ground to regular level on fence line. *[Location. Only included when necessary.]*

(iii) Details of additional stockproofing required *[Location and details]*

(iv) Concrete surround to base of posts *[Location. Included when the compiler wishes to specify concrete footings for post and rail fencing].*

(v) Requirements for timber if different from the requirements of Clause 304

(vi) Requirements for permanent fences if different from the requirements of sub-Clause 306.2

**2. Temporary Fencing**

(i) Requirements for temporary fencing if different from requirements of sub-Clause 302.1 and 303.1

(ii) Timing of removal of temporary fencing if different from sub-Clause 302.2

(iii) Requirements for any preservation treatment to temporary fencing *[303.3]*

**3. General**

(i) Requirements for bolts, screws and nuts if different from the requirements of sub-Clause 305.1

(ii) Requirements for joining permanent fencing to existing hedges, fences and to other structures if different from the requirements of sub-Clause 306.1

(iii) Painting or Stock proofing requirements *[306.3, 308.1, 312.4 and 312.5]*

**4. Concrete Fencing**

(i) Any additional requirements for concrete fencing or requirements if different from the requirements of Clause 313.

**5. Environmental Noise Barriers**

1. Schedule of locations, extents, heights and noise performace requirements of barriers to be provided, with cross reference to the drawings *[310.1 and 310.8]* **and/or**
2. Details of all noisedesign commitments to be achieved by the Contractor including where appropriate by reference to the Environmental Impact Statement, Schedule of Commitments, and any modifications and conditions imposed by An Bord Pleanála. [310.1 and 310.2]
3. Any requirements for barriers to be other than vertical [310.10 (iii)]
4. Aesthetics or graffiti resistant requirments [310.12]
5. Any requirements for timber surfaces to be other than sawn [310.15]
6. Any particular requirement for fittings [310.16]
7. Requirement for post spacing, integration with safety barriers and/or the construction of a sample panel [310.22]
8. Details of any stepping of panels where permitted [3.22 (vi)]
9. Requirements for gates [3.22 (x)]
10. Load Testing Requirements *[3.10.29 (i)]*

**5. Environmental Noise Barriers**

Barrier Specification to I.S. EN 14388

|  |  |  |  |
| --- | --- | --- | --- |
| Characteristic | Standard / Method | Required Level | Tested |
| Sound AbsorptionAirborne Sound InsulationWind and Static LoadingSelf WeightImpact of StonesSafety in CollisionDynamic Load (Snow)Resistance to Brush fireRisk of Falling DebrisEnvironmental ProtectionMeans of Escape Light Reflectivity Transparency Combined with Safety Barrier | I.S.EN 1793-1:1998I.S.EN 1793-2:1998I.S.EN 1794-1I.S.EN 1794-1I.S.EN 1794-1I.S.EN 1794-1I.S.EN 1794-1I.S.EN 1794-2 I.S.EN 1794-2I.S.EN 1794-2I.S.EN 1794-2I.S.EN 1794-2I.S.EN 1794-2I.S EN 1317-2 | *[>****A3*** *where required]****[B3*** *minimum]**[Pass]**[Pass]**[Pass]**[Not required]**[Not Required]**[Class Required]**[Required on elevated structures]**[Check Preservative]**[Check frequency]**[Required for transparent]**[Required for transparent]**[Performance as per IS EN 1317]* |  |

**NG Sample Appendix 3/2 : FENCING : NRA ROAD Construction details**

|  |  |
| --- | --- |
| **Clause No.**  | **Road Construction Detail Drg. No.** |
| 302.1 & 303.1 | *[ListRCD’s for acceptable types of temporary fence]* |
| 306.1 | *[ List RCD’s for acceptable types of permanent fence, and include RCD/300/8 for tie-in to parapets]* |
| 306.2 | RCD/300/1, 2, 2B |
| 306.3 | RCD/300/19 |
| 308.1 | *[List RCD’s for gate types required from RCD300/9 to 14]* |
| 308.2 | *[List RCD’s for required stile types 1 or 2 from RCD300/15 and 16]* |
| 313.1 | *[List RCD’s for acceptable types of concrete fence, RCD300/3, 6, 7 and/or 18]* |