

# ***SPECIAL STRUCTURES***

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## Special Structures

### NG 2501 Corrugated Steel Buried Structures

- 1 Any special drainage requirements associated with corrugated steel buried structures, such as the need for watertight jointing or lining of trenches with impervious membranes, should be shown on the Drawings or given in Appendix 25/1.
- 2 The Engineer should also complete other details in Appendix 25/1 to enable the Contractor to produce a design and submit details to the Engineer for checking and acceptance.
- 3 The Engineer should check that bolts and nuts are tightened to a torque within the range stated on the Certificate.

### NG 2502 Reinforced Earth and Anchored Earth Structures

- 1 The Engineer should include design requirements in Appendix 25/2 to enable the Contractor to produce a design and submit details to the Engineer for checking and acceptance.

## NG SAMPLE APPENDLX 25/1: REQUIREMENTS FOR CORRUGATED STEEL BURIED STRUCTURES

### 1 Design Requirements

*[Note to compiler: This should include all relevant information required to enable the Contractor to complete and submit to the Engineer a detailed design using any bolted or helically wound segmental structure system, having a current IAB Certificate.]*

### 2 Other Information.

*[To be included as required]*

- (a) Roughness coefficient.
- (b) Special needs for watertight jointing.
- (c) Special needs for lining of trenches with impervious linings.
- (d) Need for paved invert.
- (e) Special requirements, if any, for the protection of exposed surfaces after erection.

*[Acceptability limits for MCV, if required, for Class 6K and 6M fills should be stated in Appendix 611.]*

**NG SAMPLE APPENDIX 25/2: REQUIREMENTS FOR REINFORCED EARTH AND ANCHORED EARTH STRUCTURES**

*[Note to compiler: Include here:]*

**1** Design requirements.

*[Where the design retained height exceeds 1.5 m, include the requirement for the design to comply with UK Department of Transport Standard BD 2/89 : Part I and all other relevant requirements.]*

**2** References to drawings showing locations and outlines.

**3** Other information.

*[Contract-specific earthworks requirements should be included in Appendix 6/1; see NG 622.]*

**NG SAMPLE APPENDIX 25/3: REQUIREMENTS FOR POCKET TYPE REINFORCED  
BRICKWORK RETAINING WALL STRUCTURES**

*[Note to compiler: Include here:]*

- 1 Requirements for concrete if different from the requirements of sub-Clause 2503.3.
- 2 Requirements for wall ties *[2503.5]*.
- 3 Requirements for damp proof courses *[2503.6]*.
- 4 Requirements for additives or admixtures *[2503.18/ [See sub-Clause 1703.4]*
- 5 Requirements for trial panels *[2503.31]*

