

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 in the Contract or given in Appendix 25/1.
- 2 Other details should also be completed in Appendix 25/1 in order to enable the Contractor to produce a design.

NG 2502 Reinforced Soil and Anchored Earth Structures

- 1 Design requirements should be included in Appendix 25/2 to enable the Contractor to produce a design.

NG Sample Appendices

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

1 Design Requirements [2501.2].

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

2 Other Information.

[To be included as required]

Roughness coefficient.

Special needs for watertight jointing.

Special needs for lining of trenches with impervious linings.

Need for invert pavings.

Special requirements, if any, for the protection of exposed galvanised steel surfaces after erection.

Concrete Foundations of Arch Profile Structures.

[Acceptability limits for MCV, if required, for Class 6K and 6M fills should be stated in Appendix 6/1.]

NG SAMPLE APPENDIX 25/2: REQUIREMENTS FOR REINFORCED SOIL 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 NRA BD 2 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.]

NG SAMPLE APPENDIX 25/3: REQUIREMENTS FOR REINFORCED CLAY BRICKWORK RETAINING WALLS OF POCKET-TYPE AND GROUTED CAVITY CONSTRUCTION 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 Rate of placing of concrete with respect to the rate of brickwork construction *[2503.22]*.
- 5 Period to elapse after the completion of the wall before backfilling commences *[2503.28]*.
- 6 Requirements for construction and dismantling of trial panels *[2503.30]*.