|  |  |
| --- | --- |
|  |  |
| **Annexure MRTS07A.1 (July 2021)** |
| **Insitu Stabilised Subgrades using Quicklime or Hydrated Lime** |
|  |
| **Specific Contract Requirements** |
|  |
| **Contract Number**  |  |
|  |
| Note: | Clause references within brackets in this Annexure refer to Clauses in the parent Technical Specification MRTS07A unless otherwise noted. |

Part A – Completed by Principal as part of brief

|  |
| --- |
| Quality system requirements (Clause 5.4)Lot sizes |
|  | The following maximum lot sizes shall apply to work covered by this Technical Specification. |
| Construction Activity | Maximum Lot Size |
| Default lot sizes are provided in Appendix A of MRTS07A. This table should only be used where it is proposed to vary these requirements on a project specific basis. |  |

|  |
| --- |
| Testing frequenciesNew material to replace unsuitable material |
|  | The following minimum testing frequencies shall apply to additional material for new material to replace unsuitable material. |
| Property | Test Method | Normal Testing Level | Reduced Testing Level |
| Default testing frequencies are provided in Appendix A of MRTS07A. This table should only be used where it is proposed to vary these requirements on a project specific basis. |  |

|  |
| --- |
| Construction standards and geometrics |
|  | The following minimum construction standard and geometric testing shall apply. |
| Property | Test Method | Normal Testing Level | Reduced Testing Level |
| Default testing frequencies are provided in Appendix A of MRTS07A. This table should only be filled in where it is proposed to vary these requirements on a project specific basis. |  |

|  |
| --- |
| New material to replace material not suitable for stabilisation (Clause 6.1) |
|  | Any material required to replace material not suitable for stabilisation shall comply with the following requirements and/or standards. |
|  |  |
|  | If no indication is given, new material shall comply with the requirements for Class C general fill material for embankments as specified in Table 14.2.2 of MRTS04 *General Earthworks* and Table 6.1 of MRTS07A. |

|  |
| --- |
| Removal and disposal of overlying material (Clause 8.7.1) |
|  | Notwithstanding the requirements of Clause 8.7.1, the following material shall also be removed and disposed of. |
|  |  |

|  |
| --- |
| Removal and disposal of material not suitable for stabilisation (Clause 8.7.2) |
|  | Notwithstanding the requirements of Clause 8.7.2, the following material shall also be removed and disposed of. |
|  |  |

|  |
| --- |
| Minimum requirements and minimum numbers of particular plant (Clauses 8.7.4 and 8.7.10) |
|  | The following minimum requirements and minimum numbers of particular plant shall be on Site at all times during stabilisation works. |
| Description | Minimum Requirements | Minimum Number of Units |
| Reclaimer / stabiliser |  |  |
| Calibrated, integrated spreader / reclaimer / stabiliser |  |  |
| Stabiliser |  |  |
| Purpose-built calibrated spreader |  |  |
| Vibrating pad foot roller |  |  |
| Vibrating smooth drum roller |  |  |
| Multi-tyre roller |  |  |
| Water truck |  |  |
| Grader |  |  |

|  |
| --- |
| GeometricsPrimary tolerance (Clause 8.8.4.2.1) |
|  | The primary tolerance on a stabilised layer shall be as stated below. |
| Alternative A(-5 and + 10 mm) | Alternative B(-5 and + 15 mm) | Alternative C(-5 and + 25 mm) | Alternative D(Thickness only) |
|  |  |  |  |
| If no tolerance is given, Alternative B (-5 and +15 mm) shall apply. |

|  |
| --- |
| Deviation from a straightedgeApplication (Clause 8.8.4.4.2) |
|  | Deviation from a straightedge tolerance shall apply. | Yes |  | No |  |
| If no indication is given, deviation from a straightedge tolerance shall apply. |

### Deviation limits (Clause 8.8.4.4.2)

|  |  |
| --- | --- |
|  | The maximum deviation from a straightedge on a layer shall be as stated below. |
| Alternative E(8 mm) | Alternative F(15 mm) | Alternative G(25 mm) |
|  |  |  |
| If no limit is given, Alternative F (15 mm) shall apply. |

|  |
| --- |
| Crossfall (Clause 8.8.4.4.3) |
|  | A crossfall tolerance shall apply. | Yes |  | No |  |
|  | If no indication is given, crossfall tolerance shall apply. |

|  |
| --- |
| Proof rolling (Clause 9.8) |
|  | The proof rolling test shall apply. | Yes |  | No |  |
|  | If no indication is given, the proof rolling test shall apply. |

Part B – Part B to be completed by the:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Principal |  | Designer under the Contract |

|  |
| --- |
| Specific treatments (Clauses 6.2, 8.1, 8.4, 8.5.1, 8.5.2, 8.5.3, 8.8.1.1, 8.8.4.1.1 and 8.8.4.2.1) |
|  | The specific treatment(s) for work under this Contract shall be as stated below. Refer to Transport and Main Roads Materials Testing Manual, Part 2 – Application, *Section 7 – Testing of Materials for Lime Stabilisation* for guidance on the mix design. |
| Reference location |  |  |  |  |  |
| Course location |  |  |  |  |  |
| Design depth (mm) |  |  |  |  |  |
| Type of stabilising agent |  |  |  |  |  |
| Estimated stabilising agent content (% by mass) †1 |  |  |  |  |  |
| Specified spread rate (kg/m²) †2, †3 |  |  |  |  |  |
| Available lime index for hydrated lime used in laboratory mix design testing ALX (%) †4 |  |  |  |  |  |
| Construction process †5 |  |  |  |  |  |
| Method of compaction testing |  |  |  |  |  |
| Allowable working time (hours) †6 |  |  |  |  |  |
| †1 Estimated stabilising agent content shall be based on hydrated lime.†2 If no value is given, the specified spread rate shall be 2% higher than the minimum lime content identified from lime demand test results.†3 Refer to calculation in Clause 6.2 of MRTS07A.†4 If no value is given, ALx shall be 90%.†5 Product standard or process requirement (Clauses 8.5.2 and 8.5.3). If no indication is given, product standard shall apply.†6 If no time is given, the allowable working time shall be 48 hours. |
|  Datum (Clause 8.1) |
|  | The datum for the measurement of the design depth is given below. |
|  | Refer to MRTS07A Figure 8.7.6.4 |

|  |
| --- |
|  Supplementary requirements (Clause 10) |
|  | The following supplementary requirements shall apply. |
|  |  |