# WAGERUP BESS

*Field Inspection Checklist - Pavement*

# Document Number: **RR-SEPD-BESS-FIC-009-01**

# Document Information

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| **Checklist title** | **Pavement Installation** |
| **Checklist No** | RR-SEPD-BESS-FIC-009 |
| **Lot Description** |  |
| **Revision no.** | 01 |
| **Revision Date (DD/MM/YYYY)** | 22/08/2025 |
| **Description of Changes** |  |

# Document Review

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| **Prepared by:** | | | |
| **Responsibility** | **Name** | **Signature** | **Date (DD/MM/YYYY)** |
| **Drafted by (Engineer)** | Igor Bergmann |  | 18/08/2025 |
| **Reviewed by (Supervisor)** | Matthew Gaske |  | 18/08/2025 |
| **Approved by (Manager)** | Shaun Jex |  | 18/08/2025 |

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| **Part 1 – Preliminaries** | | | | | | |
| **Inspection/Test item** | | **Acceptance Criteria** | **Specifications/Drawings Reference** | **(Yes/No/NA)** | **Initial & Date** | |
| **ROBAR** | **SEPD** |
| 1.1 | Review of approved construction drawings and specifications | All drawings and specifications approved and up to date | WBS-SS-CI-SPC-0006  MRWA-Spec-501 Pavements |  |  |  |
| 1.2 | Lot Map | Lot map markup created and uploaded | Principal Project Requirements |  |  |  |
| 1.3 | Materials compliances | Materials for earthworks comply with Design requirements (ie. particle size, moisture content, CBR, Die back certificate)   * Subgrade = min. CBR of 6% * Sub-base (Light Duty Road) = min. 30% CBR (Light Duty Road), * Sub-base (Heavy Duty Road) = min. 50% CBR * Basecourse (Light Duty Road) = min. 80% CBR * Basecourse (Heavy Duty Road) = min. Ev 520mpa | WBS-SS-CI-SPC-0006 Test material results WBS-SS-CI-DRG-0133\_0 |  |  |  |
| 1.4 | Verification of permits | All relevant permits (GDA/GDP) in place | GDA/GDP |  |  |  |
| 1.5 | Site access and safety preparation | Site access cleared and made safe | WBS-SS-CI-SPC-0006 |  |  |  |
| 1.6 | Environmental controls in place | Dust, noise, and sediment barriers installed and functioning | SEPD environmental requirements |  |  |  |
| **Part 2 – Construction of Subgrade** | | | | | | |
| **Inspection Acceptance** | | **Acceptance Criteria** | **Specifications/Drawings Reference** | **(Yes/No/NA)** | **Initial & Date** | |
| 2.1 | Excavation to design subgrade levels | Subgrade = (-15mm, +5mm) | WBS-SS-CI-SPC-0006  SEPDS – TQ -111 |  |  |  |
| 2.2 | Subgrade inspection, compaction & proof roll | Subgrade verified, compacted and trimmed.  Compaction testing results conformant with project criteria:   * Subgrade = min. 95% MMDD   Subgrade proof rolled and no excessive deformation found (refer to Proof Roll FIC) | AS 1289  WBS-SS-CI-SPC-0006  WBS-SS-CI-DRG-0133\_0 |  |  |  |
| 2.3 | Soft Spots rectified (if applicable) and Proof Rolled again | Soft spots identified during proof roll inspections rectified as per the Engineer’s advice.  Any areas that were rectified to be proof rolled again until all areas are conformant and no excessive deformation is found | WBS-SS-CI-SPC-0006 |  |  |  |
| 2.4 | Maximum moisture dryback | Dryback testing conducted and all tests conformant as per specifications:   * Subgrade = 85% of MOMC | WBS-SS-CI-SPC-0006  WBS-SS-CI-DRG-0133 |  |  |  |
| **Part 3 – Construction of Subbase & Basecourse** | | | | | | |
| **Inspection Acceptance** | | **Acceptance Criteria** | **Specifications/Drawings Reference** | **(Yes/No/NA)** | **Initial & Date** | |
| 3.1 | Fill placement in controlled layers | Pavement layer placed and compacted to thicknesses as specified in design drawings:   * Sub-base (Light Duty Road) = 170mm compacted * Basecourse (Light Duty Road) = 120mm compacted * Sub-base (Heavy Duty Road) = 410mm compacted (2x 205mm layers) * Basecourse (Heavy Duty Road) = 200mm compacted | WBS-SS-CI-SPC-0006  WBS-SS-CI-DRG-0133 |  |  |  |
| 3.2 | Compaction testing | Compaction testing results conformant with project criteria:   * Sub-base = min. 95% MMDD * Basecourse = min. 98% MMDD | AS 1289  Compaction test results  WBS-SS-CI-SPC-0006 WBS-SS-CI-DRG-0133 |  |  |  |
| 3.3 | Surface finish | Surface of pavement layers shall be uniformly tight and free of loose uncompacted material | WBS-SS-CI-SPC-0006 |  |  |  |
| 3.4 | Proof Roll surface | Surface upon which next pavement layer will be constructed to be proof-rolled to confirm stability and detect soft spots.  Proof Rolls to be conducted preferably with 12t Smooth Drumm Roller. Alternatively with 700kg DPU if access constrained.  Individual Proof Rolls required for each layer of pavement make-up:   * Subgrade * Sub-base * Basecourse | WBS-SS-CI-SPC-0006 |  |  |  |
| 3.5 | Soft Spots rectified (if applicable) and Proof Rolled again | Soft spots identified during proof roll inspections rectified as per the Engineer’s advice.  Any areas that were rectified to be proof rolled again until all areas are conformant and no excessive deformation is found | WBS-SS-CI-SPC-0006 |  |  |  |
| 3.6 | Dryback testing | Dryback testing conducted and all tests conformant as per specifications:   * Sub-base = 85% of MOMC * Basecourse (Light Duty Road) = 70% of MOMC * Basecourse (Heavy Duty Road) = 60% of MOMC | WBS-SS-CI-SPC-0006  WBS-SS-CI-DRG-0133 |  |  |  |
| 3.7 | Layers trimmed to design level, grades and tolerances | Levels and grading match design tolerances as specified:   * Subgrade = (-15mm, +5mm) * Sub-base = (-15mm, +10mm) * Basecourse = (-10mm, +10mm) | WBS-SS-CI-SPC-0006  Survey Report |  |  |  |
| **Part 4 – Final inspections and acceptance** | | | | | | |
| **Inspection Acceptance** | | **Acceptance Criteria** | **Specifications/Drawings Reference** | **(Yes/No/NA)** | **Initial & Date** | |
| 4.1 | Final surface inspection | Surface is stable, free from defects, and meets design criteria | Site inspection  Proof roll |  |  |  |
| 4.2 | As-built survey verification | As-built levels and layout match design | As-Built Drawings  Survey Report |  |  |  |
| 4.3 | Final inspection & Punch List sign-off | As-built structures inspected with the client, Punch List items (if applicable) closed out. Works handed over | WBS-SS-CI-SPC-0006 |  |  |  |

# Document Sign-off

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| **Prepared by:** | | | |
| **Responsibility** | **Name** | **Signature** | **Date (DD/MM/YYYY)** |
| **ROBAR (Engineer)** |  |  |  |
| **SEPD (Engineer)** |  |  |  |