

WAGERUP BESS

Field Inspection Checklist - Pavement

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

Document Information

Checklist title	Pavement Installation
Checklist No	RR-SEPD-BESS-FIC-009
Lot Description	
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Description of Changes	

Document Review

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

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)	WBS-SS-CI-SPC-0006 Test material results WBS-SS-CI-DRG-0133_0			

Document No: RR-SEPD-BESS-FIC-001 | Revision: 01



		<ul style="list-style-type: none"> - 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 				
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	<p>Subgrade verified, compacted and trimmed.</p> <p>Compaction testing results conformant with project criteria:</p> <ul style="list-style-type: none"> - Subgrade = min. 95% MMDD <p>Subgrade proof rolled and no excessive deformation found (refer to Proof Roll FIC)</p>	<p>AS 1289</p> <p>WBS-SS-CI-SPC-0006</p> <p>WBS-SS-CI-DRG-0133_0</p>			
2.3	Soft Spots rectified (if applicable) and Proof Rolled again	<p>Soft spots identified during proof roll inspections rectified as per the Engineer's advice.</p> <p>Any areas that were rectified to be proof rolled again until all areas are conformant and no excessive deformation is found</p>	WBS-SS-CI-SPC-0006			
2.4	Maximum moisture dryback	<p>Dryback testing conducted and all tests conformant as per specifications:</p> <ul style="list-style-type: none"> - Subgrade = 85% of MOMC 	<p>WBS-SS-CI-SPC-0006</p> <p>WBS-SS-CI-DRG-0133</p>			



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: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - 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:	WBS-SS-CI-SPC-0006 WBS-SS-CI-DRG-0133			



		<ul style="list-style-type: none">- Sub-base = 85% of MOMC- Basecourse (Light Duty Road) = 70% of MOMC- Basecourse (Heavy Duty Road) = 60% of MOMC				
3.7	Layers trimmed to design level, grades and tolerances	Levels and grading match design tolerances as specified: <ul style="list-style-type: none">- 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

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