Inspection and test plan – Pavement Construction

Project no. CC0408 **Project name** MREH BESS **Date** _____ **SGJV Approval** SAMSUNG-GCOR-000121

ITP no. CC0408-ITP-005 **Revision date** 03.05.2024 (C) **Plant and equipment used** Excavator, Tandems, Rollers, Watercart, Posi-Track

Lot no. _____ **Location (chainages, detailed description or marked up plan)** See lot map attached.

SGJV ITP no. MRH00B00-QAITP0004

						Verification of acceptance by						Remarks/record (e.g. Test frequency reports, certificates, checklist etc.)
						Symal			SGJV		Principal	
Item no.	Activity	Ref docs	Acceptance criteria	Acceptance	Freq	Key	Resp	Initial/ date	Key	Sign/ date	Sign/ date	
1.0 Pre-start activities												
1.1	**Determine Lot Size**	N/A	What is the lot size?	_____m^2	N/A	S	SE		S			☐ Work Lot Map
1.2	**Survey Setout**	N/A	Has the work area been set out for line and level?	Yes ☐ No ☐ N/A ☐	Prior to start of Works	W	SE		S			N/A
1.3	**Material Classification & Source**	MRH/00/P/00-PM/SPC/0003 Rev 3, Page 55	Is the correct material being used?	Yes ☐ No ☐ N/A ☐ Please tick appropriate Box: Site Won ☐ 20mm Class 2 ☐ 20mm Class 3 ☐ 20mm Class 4 ☐ Other _____	Prior to start of Works	W	SE		H			☐ Test Report/Material certificate
2.0 Previous pavement conformance												

2.1	**Conformance of Previous Layer**	MRH/A0/B/00-CV/DWG0040	Has the previous layer passed acceptance criteria?	Yes ☐ No ☐ N/A ☐	Each Lot	W	SE		S			☐ Refer to ITP for previous layer
3.0 Placement of pavement												
3.1	**Placement**	IFC Drawings MRH/A0/B/00-CV/DWG0040	Has the fill been placed in a maximum compacted layer as outlined below? Maximum Layer Depth: 200mm	Yes ☐ No ☐ N/A ☐	Each Lot	S	SE		S			☐ Photo (if required)
3.2	**Moisture**	MRH/A0/B/00-CV/DWG0008	Has the material maintained at optimum moisture content (>85%), with additional water being added if required during compaction?	Yes ☐ No ☐ N/A ☐	Each Lot	S	SE		S			☐ Photo (if required)
3.3	**Compaction**	MRH/A0/B/00-CV/DWG0008 AS3798 Table 8.1	Has the layer been adequately compacted achieving a mean value density ratio of: <u>Pavement Type 1:</u> • **"Granular Surface"** Top Layer: 98% MOD Bottom Layer: 97% MOD • **"Low Permeability Capping Layer"** Both Layers: 98% STD <u>Pavement Type 2:</u> • **"Granular Surface"** One Layer: 98% MOD • **"Low Permeability Capping Layer"** Both Layers: 98% STD 3 x tests to be conducted per compacted layer per approved lot map.	Yes ☐ No ☐ N/A ☐	Each Lot	W	SE		S			☐ Compaction test results
3.4	**Test Rolling**	MRH/A0/B/00-CV/DWG0040	Does the layer withstand test rolling without visible deformation of springing?	Yes ☐ No ☐ N/A ☐ If 'no', please see sections 3.5 and 3.6.	Each Lot	W	SE		H			☐ Photo (if required)

			List attendees:	If 'yes', proceed to section 4.0.								
3.5	**Identification of soft, wet or unstable material**	N/A	What quantity of soft, wet or unstable material is present?	_____m	As required		SE		S			☐ Photo (if required)
3.6	**Treatment of unsuitable material**	IFC Drawings	Has rectification process been submitted for review? What was the rectification process used? SGJV approval acquired before proceeding with the above process?	Yes ☐ No ☐ N/A ☐ Process Used: _____	As required	S	SE		H			☐ Photo (if required) Aconex Correspondence: _____
4.0 Pavement conformance												
4.1	**Pavement Finish**	IFC Drawings	Has the pavement course been finished to a smooth and uniform surface?	Yes ☐ No ☐ N/A ☐	Once	W	SE		H			☐ Photo (if required)
4.2	**Width & Alignment**	IFC Drawings	Has the pavement been constructed at the correct width and alignment as detailed in the construction drawings?	Yes ☐ No ☐ N/A ☐	Each Lot	W	SE		S			☐ Photo (if required)
4.3	**Surface Level of Pavement Courses**	IFC Drawings	Has the prepared layer been surveyed in accordance with and verifying specified requirements? **All crushed rock layers:** Mean Range: +10mm to -10mm	Yes ☐ No ☐ N/A ☐	Each Lot	H	SE		H			☐ As-Built Reports

Comments: _____

_____

_____

_____

Works complete (signer SS) _____ **Date works complete** _____

Lot conforms (signer SE) _____ **Date lot closed** _____ **NCR/s no. raised** _____ **Date NCR closed for this lot** _____

SGJV / Client Representative signoff:

Name_____ **Company**_____ **Signature** _____ **Date** _____

Name_____ **Company**_____ **Signature** _____ **Date** _____

Responsibility (Resp.) Key: **PM**-Project Manager, **PE**-Project Engineer, **SE**- Site Engineer, **CS**-Civil Superintendent, **SS**-Site Supervisor, S**V**-Surveyor, **CR**-Client Representative

Inspection Key : W – Witness, **H –** Hold Point, **S -** Surveillance