

Bechtel Processing Pad – INSPECTION AND TEST PLAN

Details							
ITP Activity:	Subgrade Preparation			Project:	EVA Copper	Date Lot Opened:	
ITP Number:	EVAMP001-THS-QA-ITP-0013	Rev. No.	A	Contract Number:		Date Lot Closed:	
Lot Number:				Client:	Harmony		
Location or Area:	Processing Pad			Client Reference:		JSA/SWMS Ref:	
Chainage / Coordinates:				Contractor / Subcontractor / Supplier:		SOP Reference:	

No.	Inspection / Test Point	Responsibility	Method	Conformance Criteria	Specification Clause	Frequency	Verification from Thiess / Inspector (H/W/R/M)				Records or Comments
							THIESS (Initial)		Inspector (Initial)		
1	Pre-Construction										
1.	Drawings supplied most current IFC Retrieved from InEight	ENG	Visual	Reviewed drawing register	Reviewed drawing register	Prior to works	HP		W		
2.	Management Plans submitted and approved as per PMP	ENG	Visual	Approved Package MP's	Approved Package MP's	Prior to works	HP		W		
3.	Inspection Test Plan (ITP) submitted and approved	ENG	Visual	Approved ITP revision	Approved ITP revision	Prior to works	HP		W		
4.	Lot Register/ WBS submitted and approved	ENG	Visual	Approved WBS	Approved WBS	Prior to works	W		W		
5.	Check existing services and dial before you dig	ENV/ENG	Visual	Approved erosion and sediment control plan	EVAMP001-EVA-EN-PLA-0001	Prior to works	HP		HP		
6.	Underlying lot & ITP signed off and conforming	ENG	Visual	Topsoil stripping ITP signed off	Approved QMP	Prior to works	HP		W		

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2	Construction										
7.	Removal and replacement of unsuitable material	SV	Visual	Where directed by the client's representative remove and replace unsuitable material and dispose to waste at an approved location or as shown on the drawings.	EVAMP001-BEC-3920-CV-SPE-0001 rev0 Clauses 3.5.6 Unsuitable Material & 3.5.7 Disposal of Materials	As required	HP		HP		
8.	CBR values of subgrades under pavements, buildings & structures	ENG	Test	The materials exposed at subgrade level of cuttings are to have a minimum CBR of 3. If CBR >3: CBR 2 excavate 150 mm below subgrade level and replace with compacted selected fill (minimum CBR 10). CBR 1 excavate 250 mm below subgrade level and replace with compacted selected fill (minimum CBR 10)	EVAMP001-BEC-3920-CV-SPE-0001 rev0 Clause 3.9.4.1 Subgrade Preparation for Structures & Pavement	Not Specified	HP		W		
9.	Subgrade preparation under foundations for structures	ENG	Test	Area to be ripped to 300mm in depth, moisture conditioned and compacted to not less than 100% of the maximum dry density (standard compaction)	EVAMP001-BEC-3920-CV-SPE-0001 rev0 Clauses 3.9.3 Compaction Standards, 3.9.4.1 Subgrade Preparation for Structures & Pavement	Normal Level of Testing: 1/500m2 3/visit Reduced Level of Testing: 1/1000m2 3/visit	HP		W		

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10.	Subgrade preparation under roadways & earthpads	ENG	Test	Area to be ripped to 150mm in depth, moisture conditioned and compacted to not less than 98% of the maximum dry density (standard compaction).	EVAMP001-BEC-3920-CV-SPE-0001 Clauses 3.9.3 Compaction Standards, 3.9.4.1 Subgrade Preparation for Structures & Pavement	Normal Level of Testing: 1/500m2 3/visit Reduced Level of Testing: 1/1000m2 3/visit	HP		W		
11.	Proof-roll subgrade surface	SV	Test	All subgrades and foundations shall be proof rolled using a 10,000L water truck loaded to 8 tonnes with dual tyres minimum pressure 600kPa driving at 3-10km/h. Any areas that show signs of visible movement to be rejected and reworked.	EVAMP001-BEC-3920-CV-SPE-0001 rev0 Clause 3.9.4.1 Subgrade Preparation for Structures & Pavement	As required	HP		HP		
12.	Surface level check/ and survey pick-up	Surv	Survey/ Test	Vertical Tolerances: General Earthworks +/-25mm Road subgrades, buildings/structures pads -25mm to +0mm Horizontal Tolerances: Road width -0mm to +250mm Grade Tolerances: Road +/-0.25% Pads +/-0.25%	EVAMP001-BEC-3920-CV-SPE-0001 rev0 Clause 3.11 Construction Tolerance	As required	HP		HP		
3	Post Construction										
13.	Works completed and update ITP/ Lot Register/ MDR and close out of GDP	ENG	Visual	GDP permits closed. ITP closed. Approved MDR	- EVAMP001-BEC-3920-CV-SPE-0001 rev0 - EVA PMP	As required	HP		HP		

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<input type="checkbox"/> Conformance to Specification	<input type="checkbox"/> Requires Re-Work: (Provide Details):	<input type="checkbox"/> Non-Conformance	NCR No:
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Approved by THIESS QA Representative		Date
Name (print):		
Signature:		

Approved by THIESS Project Manager		Date
Name (print):		
Signature:		

Approved by Client		Date
Name (print):		
Signature:		

RESPONSIBILITY		METHOD		VERIFICATION TYPE		ITP REVISIONS			
Symbol	Legend	Symbol	Legend	Symbol	Legend	Rev No.	Amendment Details	Date	Approver
C	Client	W	Written	HP	Hold				
SV	THIESS Supervisor	A	Application	W	Witness				
Eng	THIESS Engineer	D	Design	R	Review				
Surv	Surveyor	S	Survey Data	M	Monitor				
SC	Subcontractor	V	Visual						
PM	Project Manager	T	Test						
CM	Construction Manager	C	Certificate						
MC	Material Controller	TA	Test / Approval						
ENV	Enviro officer	M	Measure						

Please transfer information into THIESS Data System 'Inspection and Test' Register.