




Project Scope: Drainage installation			Ref: RR-SEPD-BESS-ITP-005
Project: BESS Alinta Wagerup Peaking Power Station			Revision: 01
ITP Description: Drainage installation			
Work Pack number: RR-SEPD-CI-SOW-005-00			
Client: SEPD			
Prepared By:	Sign & Date: 03/10/2024	Reviewed & Approved By:	Sign & Date: 03/10/2024
Juan Orozco – Project Engineer		Ronan Egan – Project Manager	
Reviewed & Approved By:	Sign & Date: 03/10/2024	Reviewed & Approved By:	Sign & Date: 03/10/2024
Artur Krupinski - Project Controls		Craig Stein – Site Supervisor	

Definitions	
Hold Point	A point beyond which a work process must not proceed without the nominated authority's express authorization.
Witness Point	A point in a work process where the Contractor must give prior notice to the nominated authority and the option of attendance may be exercised by the nominated authority.

Responsibility		Method		Frequency		Verification Requirement	
SUP	Supervisor	I	Inspection	PW	Prior to works	HP	Hold Point
SE	Site Engineer	R	Review	PL	Per lot	WP	Witness Point
PE	Project Engineer	S	Survey			M	Milestone
SPE	Senior Project Engineer	T	Test			V	Verification
PM	Project Manager					NA	Not Available
SV	Surveyor						
QM	Quality Manager						
QR	Quality Representative						
ER	Environmental Representative						
IV	Independent Verifier						

Contractor Name	ROBAR Rentals	ITP no.	RR-SEPD-BESS-ITP-005-01
------------------------	---------------	---------	-------------------------

Responsible Engineer	Juan Orozco	Work Pack no.	RR-SEPD-CI-SOW-005-00
Responsible Supervisor	Craig Stein / Aidan Mulligan		
Location			
Description			

Item no.	Inspection/Test Point	Responsibility	Specification Reference	Conformance Criteria Summary	Method	Frequency	Reviewer	Hold/Witness Point Requirements			Records or Checklist Document Number
								ROBAR	SEPD	Client	
Section 1: Preliminaries & Permits											
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
1.1	Collect and verify information (Site boundary, utilities, survey map, design drawings)	SE/PE	WBS-SS-CI-SPC-0006	Results included in work pack	R	PW		V	NA	NA	IFC Drawings
							Date				
							Name				
							Signature				
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
1.2	Permit approval (GDA/GDP)	SE/PE	WBS-SS-CI-SPC-0006	Approved excavation permit (GDP) prior to commencing works	R	PW		HP	HP	NA	RR-SEPD-CI-SOW-002-01
							Date				
							Name				
							Signature				
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									

Item no.	Inspection/Test Point	Responsibility	Specification Reference	Conformance Criteria Summary	Method	Frequency	Reviewer	Hold/Witness Point Requirements			Records or Checklist Document Number
								ROBAR	SEPD	Client	
1.3	Site set-out	SE/PE	WBS-SS-CI-SPC-0006	Verify levels, site boundaries, and physical bounds per IFC drawings	R	PW		V	NA	NA	IFC Drawings
							Date				
							Name				
							Signature				
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
1.4	Sediment control plan	SE/PE	WBS-SS-PM-PLN-0024 WAE230103-03-003 TM Rev0	Sediment control measures in place	R	PW		V	NA	NA	SEPD environmental plan
							Date				
							Name				
							Signature				
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
1.5	Dust control plan	SE/PE	PP3 section 1.5 and section 4.1	Dust control measures in place	R	PW		V	NA	NA	SEPD environmental plan
							Date				
							Name				
							Signature				
Section 2: Materials											
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
2.1	Import fill material inspection	SE/PE	WBS-SS-CI-SPC-0006		R	PW		V	V	NA	Material certificates
							Date				

Item no.	Inspection/Test Point	Responsibility	Specification Reference	Conformance Criteria Summary	Method	Frequency	Reviewer	Hold/Witness Point Requirements			Records or Checklist Document Number
								ROBAR	SEPD	Client	
				Material certificate and test report for particle size distribution, moisture content, MMDD			Name				
							Signature				
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
2.2	Verify suitable foundation material (compaction >95% MMDD)	SE/PE	WBS-SS-CI-SPC-0006	Geotechnical test results showing compliance	R	PW		HP	HP	NA	Test results
							Date				
							Name				
							Signature				
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
2.3	Quality documentation RCP & precast drainage pits	SE/PE	WBS-SS-CI-SPC-0006	Supplier's quality system certifications Product of compliance to AS 4058, AS 3500, AS 3996. (Load rating & liner shall align with design drawings)	R	PW		HP	HP	NA	Supplier's documents
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
2.4	Delivery acceptance of RCP	SE/PE	WBS-SS-CI-SPC-0006 AS/NZS 4058	Acceptability of defects of RCP's. Fibre RCPs shall be rejected if fractures and cracks wider than 0.1 mm and deeper than 0.3 mm are present.	R	PW		HP	HP	NA	Delivery dockets
Section 3: Construction											

Item no.	Inspection/Test Point	Responsibility	Specification Reference	Conformance Criteria Summary	Method	Frequency	Reviewer	Hold/Witness Point Requirements			Records or Checklist Document Number
								ROBAR	SEPD	Client	
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
3.1	Excavated trench	SE/PE	WBS-SS-CI-SPC-0006	Inspection following excavation of trench. Wacker plate to be use for compacting base.	I	PL		V	V	NA	IFC Drawings
							Date				
							Name				
							Signature				
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
3.2	Bedding	SE/PE	WBS-SS-CI-0006	Material to be compacted at 100mm depth minimum.	I	PL		V	V	NA	IFC Drawings
							Date				
							Name				
							Signature				
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
3.3	Placement of concrete pipes	SE/PE	WBS-SS-CI-SPC-0006 IFC drawings	Placed and joint in accordance with the manufacturer's specifications Female ends upstream and lifting holes uppermost. Lifting holes in pipes shall be filled with plugs provided by pipe manufacturer	T	PL		HP	HP	NA	This ITP
							Date				
							Name				
							Signature				
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
3.4		SE			I	PL		V	V	NA	Survey report

Item no.	Inspection/Test Point	Responsibility	Specification Reference	Conformance Criteria Summary	Method	Frequency	Reviewer	Hold/Witness Point Requirements			Records or Checklist Document Number
								ROBAR	SEPD	Client	
	As-built survey prior to backfilling		WBS-SS-CI-0006	Variation of reduced level of invert from specified level: Whitin +/- 10 mm of specified position. Invert of structure shall not impede the gravity flow of water into or from structure			Date				
						Name					
						Signature					
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
3.5	Installation of precast drainage structures	SE/PE	WBS-SS-CI-SPC-0006 AS 3500 Design drawings	Inspection pit cover to be installed flush with the final surface Where precast drainage structure is used, the external joint with pipe shall be strengthened with a concrete fill circling the joint.	T	PL		HP	HP	NA	Test results NER engineer specifications
							Date				
							Name				
							Signature				
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
3.6	Trench/Precast drainage item backfill	SE/PE	WBS-SS-CI-SPC-0006 PPR	Unless specified otherwise, backfill layers shall be maximum 300 mm layers.	S	PL		V	V	NA	Compaction report
							Date				
							Name				
							Signature				
Section 4: Final Inspection											
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
4.1	Air pressure test	SE			S	PL		V	V	NA	

Item no.	Inspection/Test Point	Responsibility	Specification Reference	Conformance Criteria Summary	Method	Frequency	Reviewer	Hold/Witness Point Requirements			Records or Checklist Document Number
								ROBAR	SEPD	Client	
			WBS-SS-CI-SPC-0006 AS 4033.2	The pipe system must not lose more than a defined amount of pressure within the test duration. PVC - 25 kPa (3.5 psi) – pressure drop ≤3.5 kPa (0.5 psi) in 5 min. Concrete - 25-50 kPa (3.5-7.0 psi) – pressure drop ≤10% drop in 5 min.			Date				WBS-SS-CI-ITP-920049
							Name				
							Signature				
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
4.2	Finish level compliance with design drawings	SE/PE	WBS-SS-CI-SPC-0006	As-built drawings.	S	PL		V	V	NA	WBS-SS-CI-ITP-920049
							Date				
							Name				
							Signature				
		Remarks / NCR No. / HP No. / RFI No. / Notice Date									
4.3	Final Inspection Checklist (FIC) completion	SE/PE	WBS-SS-CI-SPC-0006	Signed FIC	R	PL		V	V	NA	WBS-SS-CI-ITP-920049
							Date				
							Name				
							Signature				

Document sign-off

	Close-out			
Company	Name	Position	Signature	Date (DD/MM/YYYY)
ROBAR (NER Engineer)				
SEPD				

