

Doc ID: FH-ZU2-QU-ITP037

Rev: 0

Client: APAM (MELBOURNE AIRPORT)	Contract No: CP14038		Prepared By: Jihad Barba	ar
Project: Taxiway Zulu 2.0		Reviewed By	: Jamal Khodr	Date: 21/05/24

Construction Process: Miscellaneous Concrete StructuresApproved By: Jamal KhodrDate: 21/05/24

**Specifications:** Specifications as per Drawings

**Structure / Component:** Concrete Structures

Lot No:	Lot Details:	Lot size/Quantity:	Date:

Item	Task/Activity Description	Inspection/	Test				HP/ WP/	Responsibility		Checke	d by:	
No.		Frequency	Acceptance Criteria	Reference Documents	Inspection/ Test Method	Record of conformity	AP/ IP/ TP/ SCP	FH Engineer Superintendent Surveyor Foreman	Fulton Hogan	Beca	Other	Date
1.0	Preliminaries								l			
1.1	The current revision drawings are being used including subcontractors copy.	Prior to Start	Current revision drawing is being used (including the subcontractors copy). Current revision to be obtained via Aconex or ACC	Drawings and drawing registers	Verify	Up to date drawing sets and this ITP signed	HP*	FH Engineer				
1.2	Implementation of all measures and controls	Prior to Start	All necessary measures and controls being implemented, that is CEMP, TMP, SWMS, & WP	CEMP, TMP, SWMS, & WP	Verify	Site and office Inspection	HP*	FH Engineer				
1.3	Excavation Permit	Prior to Start	Excavation Permit issued by APAM obtained prior to any excavation on site.	Approved permits	Verify	Proof of & permit ITP sign	HP*	FH Engineer				
2.0	Supply of Materials											
2.1	Reinforcement	Pre- commence ment	Test Certificates demonstrating compliance of the reinforcement with the requirements of AS 3600	Drawings and Specification	Verify	Aconex Corresponden ce	НР	FH Engineer and Beca				
2.2	Concrete Mix	Each Lot	Mix design to be submitted to contract administrator for review and acceptance.	Drawings ZULU-BECA- 014-DWG- 00201	Verify	Mix Design	НР	FH Engineer and Beca				



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Construction\Erection of Fo			ZULL-BECA-		1		Surveyor Foreman				1
Construction\Erection of Fo			030-DWG- 20001								
	rmwork										
Setout	Each Lot	Setout completed and conformance with Beca IFC Drawings.	Drawings	Verify	Survey Report	SCP	FH Engineer Surveyor				
Excavate	Each Lot	Excavation depth shall be as per specified or as shown on Drawings to accommodate structures.	Specifications as per Drawings	Verify	This ITP signed	IP	FH Engineer				
Confirm Ground	Each lot	Completion of excavation and inspection of subgrade materials.  No soft spots, unsuitable material	Specifications as per Drawings	Verify	DCP Test Results (if required)	HP*	FH Engineer				
Formwork	Each Lot	Formwork / Reverse Shall conform to shapes, lines, levels and dimensions of the concrete shown or indicated on the Drawings.	Specifications as per Drawings	Verify	This ITP Signed	IP	FH Engineer Surveyor				
Penetrations/Cast in items	Each Lot	Penetrations/cast in items are present in the formwork.	Drawings	Verify	This ITP Signed	IP	FH Engineer Surveyor				1
E C	Excavate  Confirm Ground  Formwork	Excavate Each Lot  Confirm Ground Each lot  Formwork Each Lot  Penetrations/Cast in items Each Lot	Each Lot Conformance with Beca IFC Drawings.  Excavate Each Lot Each Lot Each Lot Confirm Ground Each lot Confirm Ground Each lot Penetrations/Cast in items Each Lot Each Lot Each Lot Each Lot Penetrations/Cast in items are present in the formwork.	Excavate  Each Lot  Excavation depth shall be as per specified or as shown on Drawings to accommodate structures.  Confirm Ground  Each lot  Completion of excavation and inspection of subgrade materials. No soft spots, unsuitable material  Formwork  Each Lot  Each Lot  Each Lot  Each Lot  Completion of excavation and inspection of subgrade materials. No soft spots, unsuitable material  Formwork / Reverse Shall conform to shapes, lines, levels and dimensions of the concrete shown or indicated on the Drawings.  Penetrations/Cast in items  Each Lot  Penetrations/cast in items are present in the formwork.  Drawings	Excavate  Each Lot  Each Lot  Excavation depth shall be as per specifications as per Drawings  Confirm Ground  Each lot  Completion of excavation and inspection of subgrade materials. No soft spots, unsuitable material  Formwork  Each Lot  Formwork / Reverse Shall conform to shapes, lines, levels and dimensions of the concrete shown or indicated on the Drawings.  Penetrations/Cast in items  Each Lot  Completion of excavation and inspection of subgrade materials. No soft spots, unsuitable material  Specifications as per Drawings  Verify  Verify  Penetrations/cast in items are present in the formwork.  Drawings  Verify  Verify  Drawings  Verify  Verify  Drawings  Verify	Setout Each Lot Conformance with Beca IFC Drawings.  Excavation depth shall be as per specification as per specified or as shown on Drawings to accommodate structures.  Confirm Ground Each lot Completion of excavation and inspection of subgrade materials. 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No soft spots, unsuitable material  Formwork Each Lot Penetrations/Cast in items  Each Lot Penetrations/Cast in items  Each Lot Conformance with Beca IFC Drawings  Drawings  Verify Survey Report SCP  Specifications as per Drawings  Verify DCP Test Results (if required)  Penetrations/Cast in items  Promition of excavation and inspection of subgrade materials. No soft spots, unsuitable material  Specifications as per Drawings  Specifications as per Drawings  Verify DCP Test Results (if required)  This ITP Signed  IP  Penetrations/Cast in items are present in the formwork.  Drawings  Verify This ITP Signed  IP	Setout Each Lot conformance with Beca IFC Drawings.  Excavate Each Lot Excavation depth shall be as per specified or as shown on Drawings to accommodate structures.  Confirm Ground Each lot Completion of excavation and inspection of subgrade materials. 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Penetrations/Cast in items  Each Lot conformance with Beca IFC Drawings  Excavation depth shall be as per specifications as per Drawings  Specifications as per Drawings  Verify DCP Test Results (if required)  FH Engineer  Surveyor  FH Engineer  Surveyor	Setout Each Lot Conformance with Beca IFC Drawings.  Excavate Each Lot Excavation depth shall be as per specified or as shown on Drawings to accommodate structures.  Completion of excavation and inspection of subgrade materials. No soft spots, unsuitable material  Formwork Each Lot Each Lot Each Lot Penetrations/Cast in items  Each Lot Penetrations/Cast in items  Each Lot Drawings  Drawings Verify Survey Report SCP Surveyor  Survey Report SCP Surveyor  This ITP signed  Verify DCP Test Results (if required)  Verify DCP Test Results (if required)  For Mwork / Reverse Shall conform to shapes, lines, levels and dimensions of the concrete shown or indicated on the Drawings.  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Drawings Verify Survey Report SCP Surveyor Surveyor  This ITP Signed IP FH Engineer Surveyor  This ITP Signed IP FH Engineer Surveyor  Prawings Verify This ITP Signed IP FH Engineer Surveyor



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No.		Frequency	Acceptance Criteria	Reference Documents	Inspection/ Test Method	Record of conformity	AP/ IP/ TP/ SCP	FH Engineer Superintendent Surveyor Foreman	Fulton Hogan	Beca	Other	Date
4.1	Reinforcement installation	Prior to concrete pour	Pre-Pour Checklist Completed:  Position and spacing check and recorded.  Cover checked and recorded.  Reinforcing supports checked and recorded.  Laps at required length.  Penetrations/cast in items	Specifications and drawings	Verify	Pre-pour inspection List CLA37A	IP HP*	FH Engineer				
5.0	Pre-pour Planning and Insp	ections and I	Placement (1 <sup>st</sup> Pour)		•		•		ľ			
5.1	Pre-pour Inspection	Prior to concrete pour	Superintendent or Engineer to conduct pre-pour inspection prior to concrete pour	Specifications and Drawings	Verify	Pre-pour inspection List CLA37A	HP* WP	FH Engineer				
5.2	Pour in-situ	Each Lot	Concrete shall be placed within 90mins from batching. All concrete supplied for concrete structures shall be subject to project control testing in accordance with AS 1379.	Specifications and drawings	Verify	This ITP signed	IP	FH Engineer				
5.3	Concrete Testing	Each Lot	1 – 7 Day cylinder and 2 – 28 day cylinders to be taken.	Specifications and drawings	Verify	Concrete Testers Sheet/Results	TP	FH Engineer				
5.5	Finishing & Curing	Each Lot	Concrete to be vibrated to ensure compaction and air voids	Specifications and drawings	Verify	This Signed ITP	IP	FH Engineer				

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No.		Frequency	Acceptance Criteria	Reference Documents	Inspection/ Test Method	Record of conformity	AP/ IP/ TP/ SCP		Fulton Hogan	Beca	Other	Date
								Surveyor				
								Foreman				
			removed. Screed finish required on exposed surfaces.									
			Concrete shall be moist cured or coated by an approved curing compound for a period not less than seven days unless approved by the Superintendent.									
6.0	Post Pour Details and Inspe	ections										
6.1	Removal of Formwork	Each Lot	Forms shall remain and be maintained firmly in place until the concrete has attained the necessary strength to support its own weight.		Verify	This ITP signed	IP	FH Engineer				
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#### **Final Inspection**

On behalf of Fulton Hogan it is hereby certified that the Works represented by the items of work listed have been tested in accordance with the Project Quality Plan and conform in all respects with the requirements of the Contract.

Print Name: Position: Signature: Date: / /

#### Legend:

HP	Hold Point	Work shall not proceed past the HP until released by the Superintendent	IP	Inspection point	Formal Inspection to be done and recorded
HP*	Fulton Hogan Hold	Work shall not proceed past the HP* until released by Fulton Hogan	TP	Test Point	Product compliance test to be undertaken and
	Point				recorded/reported



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WP	Witness Point	An inspection which must be witnessed by the Superintendent	SCP	Survey conformance point	A qualified surveyor to check product/section/structure and report
AP	Approval Point	Written or verbal approval given by the Superintendent			
Notes					