

## Inspection and Test Plan - Control and Supervision of the Works

**Doc ID:** ITP 009-6

**REV**: 0

Client: Melbourne Airport	Contract No:	CP18104		Prepared By: Giuliano F	ollacchio
Project: MAP MP			Reviewed By: G	Giuliano Follacchio	Date: 19/3/22
<b>Construction Process:</b> Aeronautical Ground Lighting (AGL) – Trenching (Primary and Secondary)	and Installation	of Conduits	Approved By: J	ordan Nicolaou	Date: 26/4/22

Specifications: CP18104 - MAP MP Airfield Spec No. 60585728-SPIA-0001

Structure / Component: AGL Electrical Systems

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

Item	Task/Activity		Inspection	n/Test			HP/ WP/	Responsibility	Checked by:			
No.	Description	Frequency	Acceptance Criteria	Reference Documents	Inspection/ Test Method	Record of conformity	TP/ SCP	Project Engineer Principal's Representative Surveyor Foreman	Avionics	Principal's Rep.	FH	Date
1.0	Trenching and Installation	on of Conduits (Prin	nary and Secondary)									
1.1	Preparation for the Works to be Undertaken	Prior to start	Ensure survey set out is undergone, trench route marked out, excavation permit obtained and (if required) services in work(s) area isolated.	Drawing set ADE- EDAU21008- YMML-DD ADE-EDAU21008- TB-ver2.0 Fulton Hogan Excavation Permit	Verify	This ITP Signed / Avionics Checklist 006	HP*	Project Engineer				
1.2	Isolation of Services	Prior to start	Any services in the vicinity of work area(s) to be isolated to the satisfaction of the Principal and other relevant authorities.	Drawing set ADE- EDAU21008- YMML-DD ADE-EDAU21008- TB-ver2.0	Verify	This ITP Signed / Avionics Checklist 006	HP*	Project Engineer				
1.3	Trench Excavation for Conduits	Each Lot	Trenches for conduits shall be excavated to the width and depth required enabling construction of the conduits to the requirements specified on the drawings.  The level at the bottom of the trench shall not be above the required level at any point.	Drawing set ADE- EDAU21008- YMML-DD	Verify	This ITP Signed / Avionics Checklist 006	IP	Project Engineer				



#### Inspection and Test Plan - Control and Supervision of the Works

**Doc ID:** ITP 009-6

**REV**: 0

Date: 26/4/22

Client: Melbourne Airport Contract No: CP18104 Prepared By: Giuliano Follacchio

Project: MAP MP Reviewed By: Giuliano Follacchio Date: 19/3/22

Construction Process: Aeronautical Ground Lighting (AGL) – Trenching and Installation of Conduits

(Primary and Secondary)

Specifications: CP18104 - MAP MP Airfield Spec No. 60585728-SPIA-0001

Structure / Component: AGL Electrical Systems

Item	Task/Activity		Inspection	n/Test			HP/ WP/	Responsibility	Checked by:				
No.	Description	Frequency	Acceptance Criteria	Reference Documents	Inspection/ Test Method	Record of conformity	AP/ IP/ TP/ SCP	, ,	Representative Surveyor	Avionics	Principal's Rep.	FH	Date
1.4	Laying and Jointing of Conduits	Each Lot	Where conduit ends are not open to a pit, UPVC end caps shall be temporarily fitted to each end. Number of conduits and duct route to be confirmed for conformity with design.	Drawing set ADE- EDAU21008- YMML-DD	Verify	This ITP Signed / Avionics Checklist 006	IP	Project Engineer / Site Supervisor					
1.5	Survey As-built	Prior to backfilling each lot	Surveyor to pick up completed conduit runs before backfill	ADE-EDAU21008- TB-ver2.0	Verify	This ITP Signed / Avionics Checklist 006 / Survey Report	IP	Project Engineer / Avionics					
1.6	Backfill Trench	Each Lot	Trenches shall be backfilled with bedding sand as per construction drawings, followed by clean fill.	Drawing set ADE- EDAU21008- YMML-DD	Verify	This ITP Signed / Avionics Checklist 006	IP	Project Engineer / Avionics					
1.7	Conduit Warning Tape	Each Lot	Prior to backfilling to top of trench, warning tape shall be installed on top conduits, not less than 150mm wide and 0.1mm thick. They shall be orange/white in colour and bear "CAUTION ELECTRIC / COMMUNICATION BELOW" or similar repeatedly in black letter not less than 30mm high.	Drawing set ADE- EDAU21008- YMML-DD ADE-EDAU21008- TB-ver2.0	Verify	This ITP Signed / Avionics Checklist 006	IP	Project Engineer / Avionics					

Approved By: Jordan Nicolaou



## Inspection and Test Plan - Control and Supervision of the Works

**Doc ID:** ITP 009-6

**REV**: 0

Client: Melbourne Airport	Contract No: CP18104	Prepared By: Giuliano Follacchio			
Project: MAP MP	Reviewed By: Giuliano Follacchio	Date: 19/3/22			
<b>Construction Process:</b> Aeronautical Ground Lighting (AGL) – Trenching (Primary and Secondary)	Approved By: Jordan Nicolaou	Date: 26/4/22			
Specifications: CP18104 - MAP MP Airfield Spec No. 60585728-SPIA-00	001				

Structure / Component: AGL Electrical Systems

Item	Task/Activity	Inspection/Test					HP/ WP/ Responsibility	Responsibility	Checked by:			
No.	Description	Frequency	Acceptance Criteria	Reference Documents	Inspection/ Test Method	Record of conformity		Project Engineer Principal's Representative Surveyor Foreman	Avionics	Principal's Rep.	FH	Date
Final Ir	Final Inspection											

The signature below verifies that this ITP has been completed in accordance with the Fulton Hogan's Quality system Procedures and verifies lot compliance with specifications.

**Print Name:** Signature: Date: Position:

.egend:					
HP	Hold Point	Work shall not proceed past the HP until released by the Principal's Representative	IP	Inspection point	Formal Inspection to be done and recorded
HP*	Fulton Hogan Hold Point	Work shall not proceed past the HP* until released by Fulton Hogan	TP	Test Point	Product compliance test to be undertaken and recorded/reported
WP	Witness Point	An inspection which must be witnessed by the Principal's Representative	SCP	Survey conformance point	A qualified surveyor to check product/section/structure and report
AP	Approval Point	Written or verbal approval given by the Principal's Representative			
Notes					

# TRENCHING AND INSTALLATION OF CONDUITS

MAPMP Alpha Tango



Pit No	Start:		Date:						
Pit No	End:								
	INS	TALLATION INSPECTION		CHECK COMPLETION					
ITEM		DESCRIPTION		AVIONICS					
1.	Mark Trench route Primary ar								
2.	Excavation Permit completed								
3.	Isolation of all services in wor								
4.	Excavate trench for primary c	onduits to a depth of 1050mm							
5.	Position conduits between pits								
6.		sand (100mm below and 100mm at	pove).						
7.	Back fill trench with 300mm		,						
8.	Position warning tape along the	ne trench line.							
9.	Back fill trench and compact								
10.	Install 150mm of topsoil on tr	ench.							
11.	Hydro mulch disturbed area.								
12.	Excavate trench for secondary	cable 600mm deep							
13.	Position conduit between SIT	Pit and Pavement edge.							
14.	Back fill trench with bedding	sand 50mm below conduit and 200	mm above. Compact.						
15.	Backfill trench with clean fill	to with in 200mm of top.	-						
16.	Position warning tape along the	ne trench line							
17.	Backfill and compact trench								
18.	Install topsoil on trench line								
19.	Hydro mulch disturbed area								
18.									
Remarks:									
		NAME	SIGNATURE	DATE					
Installed		TVTUVIL	SIGINTICILE	DATE					
	Airfield Lighting Pty Ltd								
Commer	nts.								
Primary Conduits installed:									
Secondary Conduits installed:									
Additional Comments									
Additional Comments									
l									