

OAN 025/2021 – INSTALLATION OF AIRCRAFT FUEL HYDRANT SYSTEM CATHODIC PROTECTION GROUND BED.

OAN REF:-	025/2021	DATE OF ISSUE:-	09/06/21	EFFECTIVE DATE:-	28/06/21
MANUAL REFERENCE(S):-	N/A			EXPIRY DATE:-	25/08/21

PLEASE ENSURE THIS INFORMATION IS PROMULGATED TO ALL STAFF

1.0 SUMMARY

Overall, a programme of circa nine weeks' work to install the second aircraft fuel hydrant system cathodic protection ground bed. The bed will be located underneath a section of pavement on Taxiway November-Charlie. Whilst work is in progress multiple stand closures and the use of several non-standard aircraft pushback manoeuvres will be required due to restricted taxiway capability in the vicinity of the work area. The aircraft fuel hydrant system will remain active throughout.

2.0 SCOPE & LOCATION OF WORKS

2.1 The overall scope of work will be as follows:

- Breakout required on areas of taxiway and apron pavement.
- Installation of 1 x aircraft fuel hydrant system cathodic protection ground bed, measuring approximately 30 x 2.5m.
- Installation of 1 x new chamber on Stand 241.
- Installation of new cable chases.
- Laying of new PQ concrete.
- Curing of newly laid PQ concrete.
- Pavement joint sealing.

2.2 There will be two areas of work, the first area being located on Taxiway November-Charlie with a fenced work area (40 x 40m) being erected within the taxiway strip abeam Stand 237.

2.2.1 A second fenced work area will also be erected on Stand 241.

2.3 At various times during the overall works programme there will be a requirement for the contractor to carry out work outside of the demarked work areas. Such work will be managed tactically to avoid further operational disruption.

3.0 PROGRAMME

3.1 Overall, the work will commence on Monday 28th June and will be completed by Wednesday 25th August 2021.

3.2 The work will take place during daytime hours, nominally 08:00 - 17:00L.

4.0 OPERATIONAL IMPLICATIONS

4.1 Taxiways

4.1.1 From Monday 28th June until Wednesday 25th August 2021, Taxiway November-Charlie will be closed H24 abeam Stand 237, and a fenced work area will be erected. Aircraft will still be permitted to use the taxiway however it will operate as a 'double cul-de-sac' and there will not be a through-route past Stand 237.

4.2 Aircraft Stands

4.2.1 Whilst work is in progress on Taxiway November-Charlie, the following stands (all centrelines) will be closed H24:

- 80, 210, 231, 237 and 241.

4.3 Aircraft Pushback Manoeuvres

4.3.1 Dependent on the area of work in progress, various non-standard aircraft pushback manoeuvres will be required due to the lack of a through-route for aircraft on Taxiway November-Charlie.

4.3.2 All non-standard pushback manoeuvres are to be carried out, as directed by ATC.

4.3.3 Whilst the work is in progress on Taxiway November-Charlie, the following non-standard aircraft pushback procedures will apply:

STAND		NON-STANDARD PUSHBACK MANOEUVRE
104	Jet Aircraft	'S' shaped push onto Taxiway November-Charlie, then pull forward until aircraft nose wheel is abeam Stand 112 centreline, facing cargo sheds.
	Prop Aircraft	Prop aircraft not permitted.
106	Jet Aircraft	Push back onto Taxiway November-Charlie, then pull forward until aircraft nose wheel is abeam Stand 112 centreline, facing cargo sheds.
	Prop Aircraft	Aircraft nose wheel abeam Stand 104 centreline, facing cargo sheds.
108	Jet Aircraft	Push back onto Taxiway November-Charlie, then pull forward until aircraft nose wheel is abeam Stand 112 centreline, facing cargo sheds.
	Prop Aircraft	Aircraft nose wheel abeam Stand 106 centreline, facing cargo sheds.

110	Jet Aircraft	Aircraft nose wheel abeam Stand 110 centreline, facing cargo sheds.
	Prop Aircraft	Aircraft nose wheel abeam Stand 108 centreline, facing cargo sheds.
112	Jet Aircraft	Aircraft nose wheel abeam Stand 112 centreline, facing cargo sheds.
	Prop Aircraft	Aircraft nose wheel abeam Stand 110 centreline, facing cargo sheds.
114	Jet Aircraft	Aircraft nose wheel abeam Stand 114 centreline, facing cargo sheds.
	Prop Aircraft	Aircraft nose wheel abeam Stand 112 centreline, facing cargo sheds.
116	Jet Aircraft	Aircraft nose-wheel abeam Stand 114 centreline, facing cargo sheds.
	Prop Aircraft	Aircraft nose wheel abeam Stand 114 centreline, facing cargo sheds.
208	Jet Aircraft	Push to TRP 26
209	Jet Aircraft	Push to TRP 26
211	Jet Aircraft	Push onto Taxiway November-Alpha to abeam Stand 104, then pull forward to abeam Stand 110, facing cargo sheds.
233	Jet Aircraft	Push to TRP 26
235	Jet Aircraft	Push to TRP 26
239	Jet Aircraft	Push onto Taxiway November-Alpha to abeam Stand 104, then pull forward to abeam Stand 110, facing cargo sheds.
243	Jet Aircraft	Aircraft nose wheel abeam Stand 243, facing Terminal 2, Pier 1.
807	Jet Aircraft	Aircraft nose wheel abeam Stand 108 centreline, facing cargo sheds.
	Prop Aircraft	Aircraft nose wheel abeam Stand 106 centreline, facing cargo sheds.
809	Jet Aircraft	Aircraft nose wheel abeam Stand 110 centreline, facing cargo sheds.
	Prop Aircraft	Aircraft nose wheel abeam Stand 110 centreline, facing cargo sheds.
811	Jet Aircraft	Aircraft nose wheel abeam Stand 112 centreline, facing cargo sheds.
	Prop Aircraft	Aircraft nose wheel abeam Stand 110 centreline, facing cargo sheds.

5.0 LOW VISIBILITY PROCEDURES (LVP)

5.1 The work will have no effect on the airport's ability to operate during periods of low visibility.

6.0 WORK AREA DEMARCATION

6.1 The work areas will be demarked by full height Heras fencing, mounted on alternate red/white base boards. The southern boundaries of the work areas (those located on the Manoeuvring Area) will be demarked by mobile blast screens.

6.1.1 The entirety of a both work area perimeters will be lit H24 by low intensity, steady red obstacle lighting.


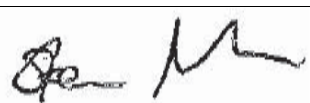
6.2 Portions of taxiway centreline lighting leading to/through portions of closed taxiway November-Charlie will be disabled.

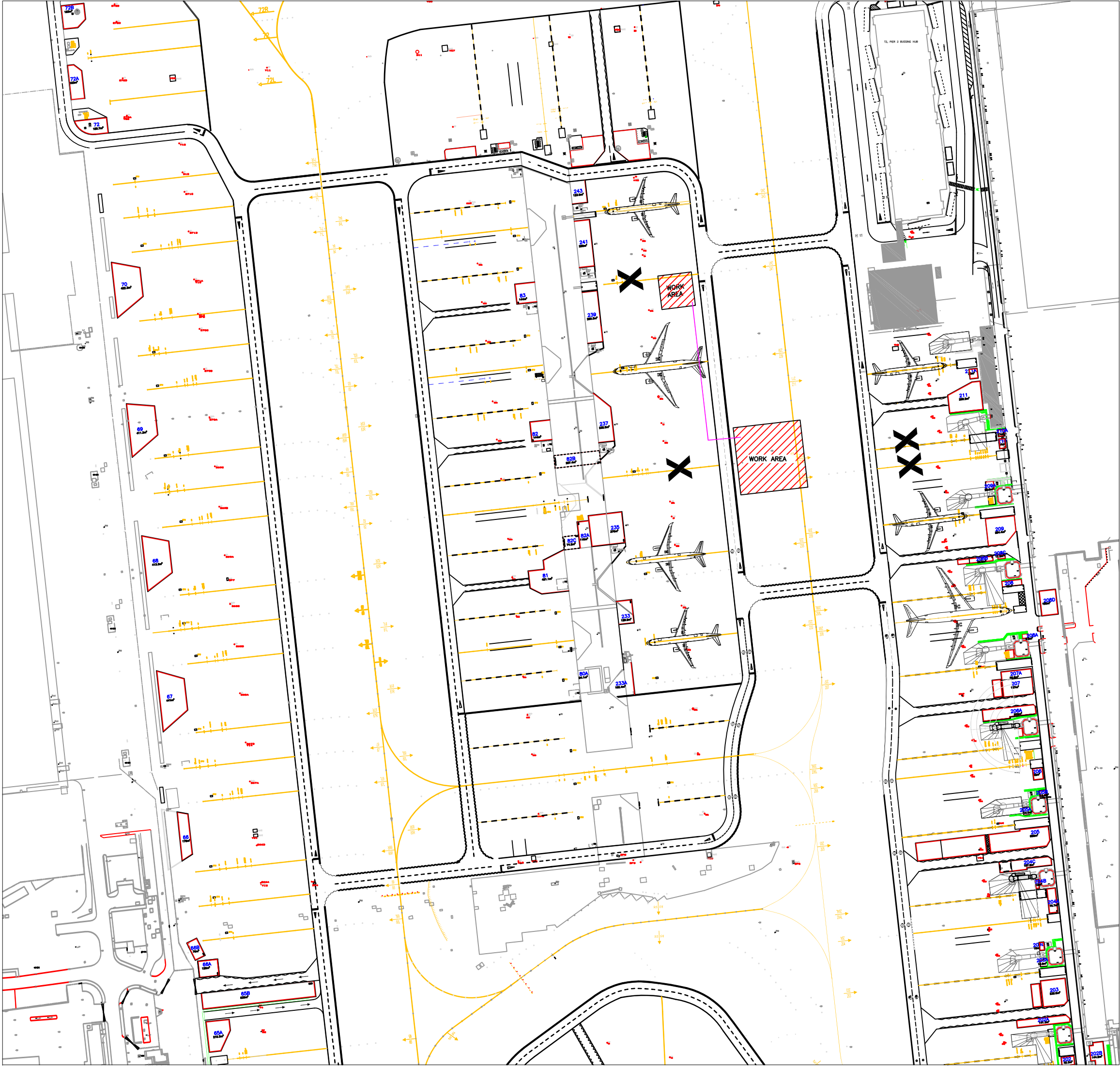
7.0 FURTHER INFORMATION

7.1 For further information, please contact the Airfield Duty Manager on +44 0161 489 3331.

8.0 ADDITIONAL DOCUMENTS

8.1 Drawing: Yes Annexe: No

ORIGINATOR:- (PRINT NAME)	S.McAleer E YATES	CONFIRMED & APPROVED BY:- (PRINT NAME)	S.McCusker
ROLE:-	Airfield Technical Planner	ROLE:-	Head of Airfield Strategy & Change
SIGNATURE:-		SIGNATURE:-	



MASHCo Cathodic Protection Groundbed Installation – Taxiway November–Charlie.

3 x weeks work + 28 days concrete curing.

40 x 40m work fenced work area on Taxiway November–Charlie.

20 x 20m fenced work area on Stand 241.

Cable chase along pavement joints between both work sites to be managed tactically (magenta line).

Taxiway November–Charlie becomes double cul-de-sac.

Stands 210L, 210, 237 & 241 CLOSED.

Non-standard pushbacks for Stands:

104, 106, 108, 110, 112, 114 & 116 – all aircraft to push facing cargo sheds.

208, 209, 233 and 235 to TRP 26.

211 long push to November–Alpha facing cargo sheds.

Stands 80 & 231 may need to remain clear to facilitate use of Taxiway November–Bravo.