

Mercer Airport Rezoning Request
Visual Material

Hearing

23 June 2021

MERCER AIRFIELD LOCATION



POKENO



KEY:	
	PROPERTY OWNED BY MERCER AIRFIELD PROPOSED TO BE REZONED
	LEASE/RIGHT TO OCCUPY BY MERCER AIRFIELD PROPOSED TO BE REZONED
	LEGAL ACCESS

P:\145420\145420_00_0115\145420_00_0115_Preliminary\145420_00_0115_Preliminary\145420_00_0115_Preliminary.dwg
 22/06/2021 11:30:00 AM
 145420_00_0115

NO.	DATE	DESCRIPTION	BY	CHKD
1	22/06/2021	INITIAL ISSUE	HW	CD



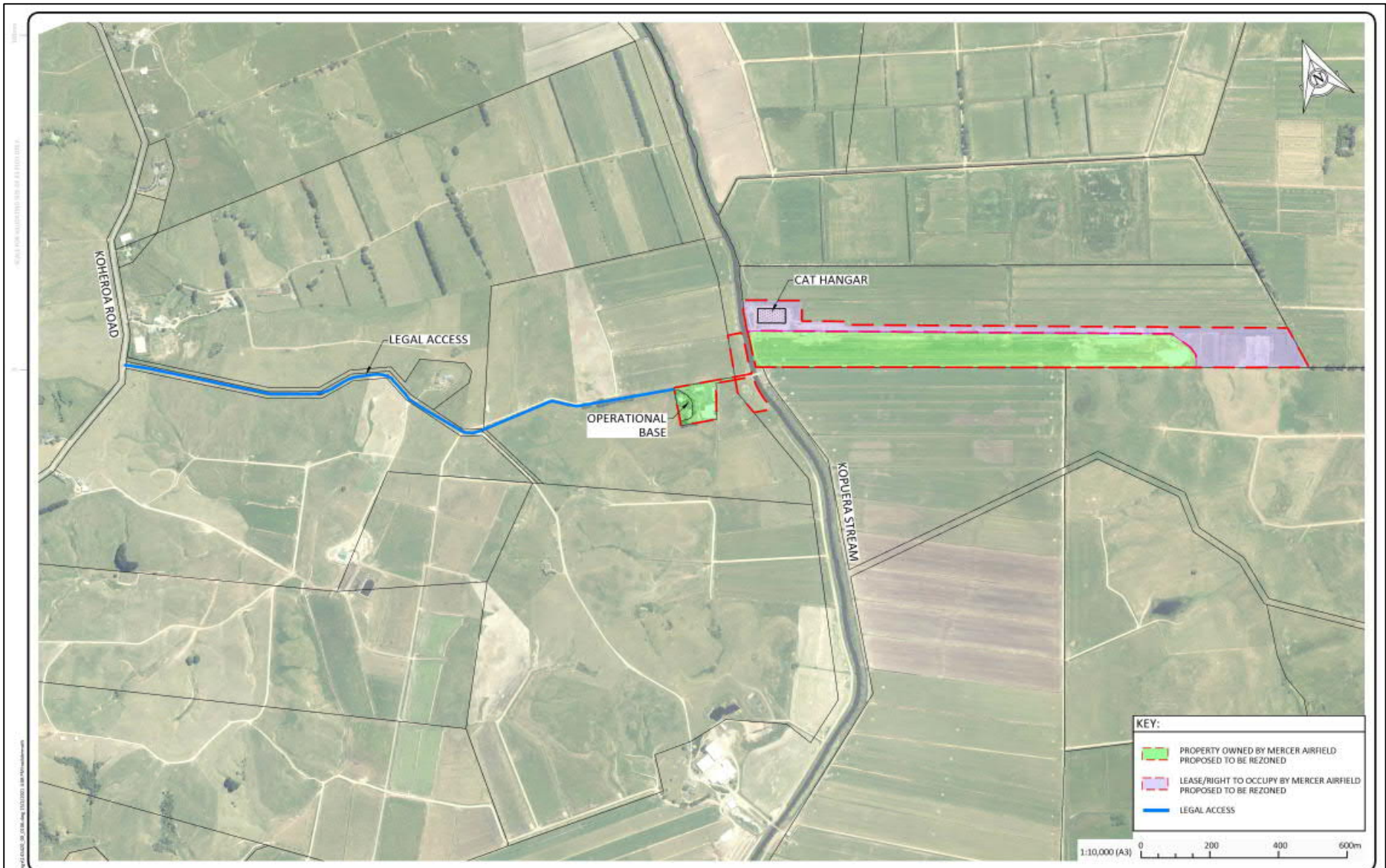
NEALE RUSSELL LIMITED

MERCER AIRPORT

OBSTACLE LIMITATION SURFACE (OLS)
LOCATION PLAN

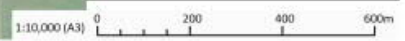
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DRAWING NUMBER: 145420_00_0115		REVISION: A	

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KEY:

■	PROPERTY OWNED BY MERCER AIRFIELD PROPOSED TO BE REZONED
■	LEASE/RIGHT TO OCCUPY BY MERCER AIRFIELD PROPOSED TO BE REZONED
—	LEGAL ACCESS



NO.	DATE	BY	FOR
1	15.02.2021	DAW	FOR INFORMATION



CLIENT: NEALE RUSSELL LIMITED

PROJECT: MERCER AIRPORT

DRAWING: OBSTACLE LIMITATION SURFACE (OLS) OWNED AND LEASED AREAS OVERALL LAYOUT

DATE: 15.02.2021		SCALE ORIGINAL SIZE: 1:10,000	
DRAWING NUMBER: 145420_00_D1D6		REVISION: A	

145420_Mercer Airport (Obstacle) 01.dwg, 15.02.2021, 14:44:00, 1:10,000, A3, 145420_00_D1D6
 Version 1.0 - September 2017

AIRFIELD LOOKING EAST

ROCKET LAB

CATALINA HANGAR
UNDER CONSTRUCTION





Catalina Flying Boat (to be based at Mercer)

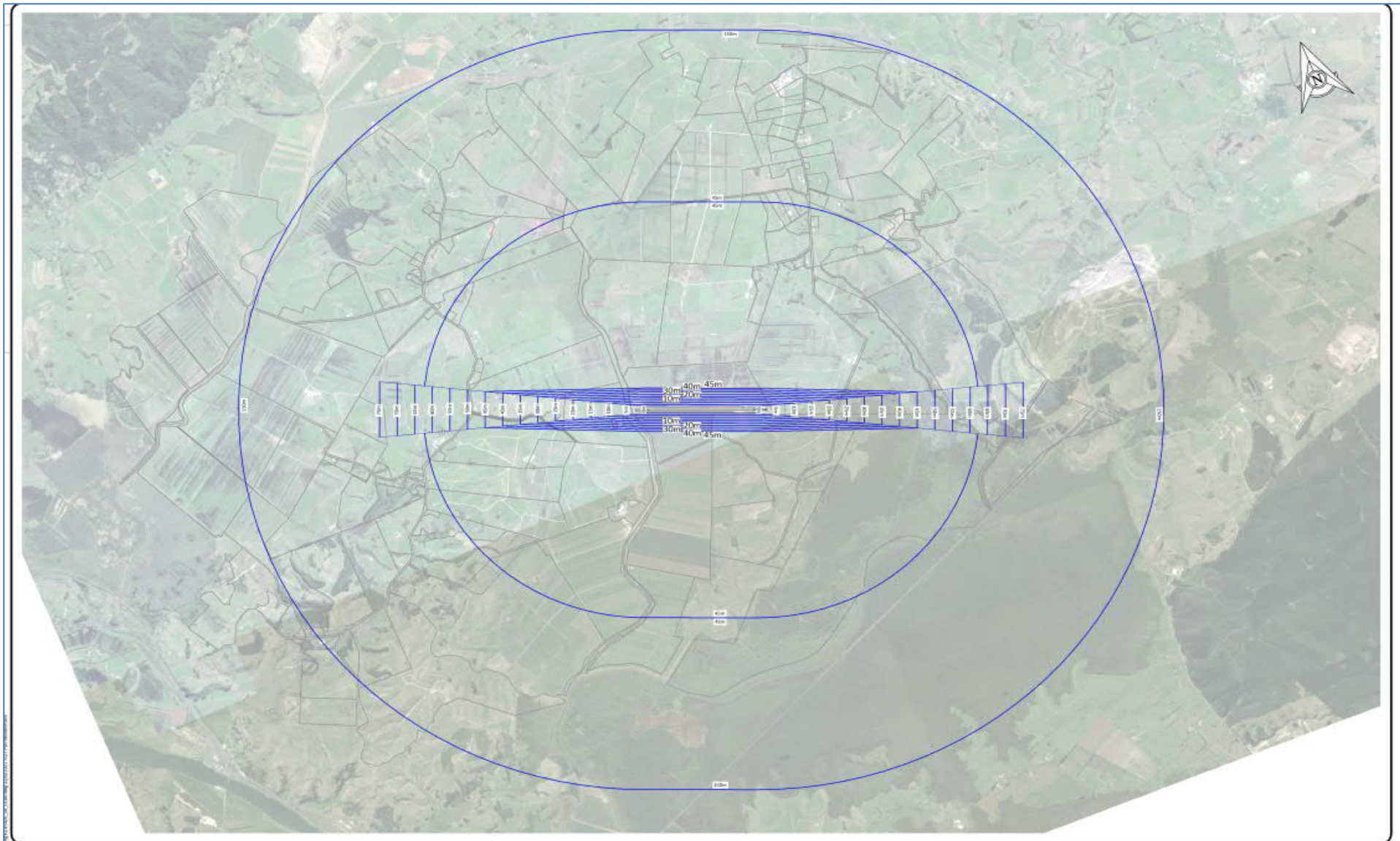



DC3 aircraft

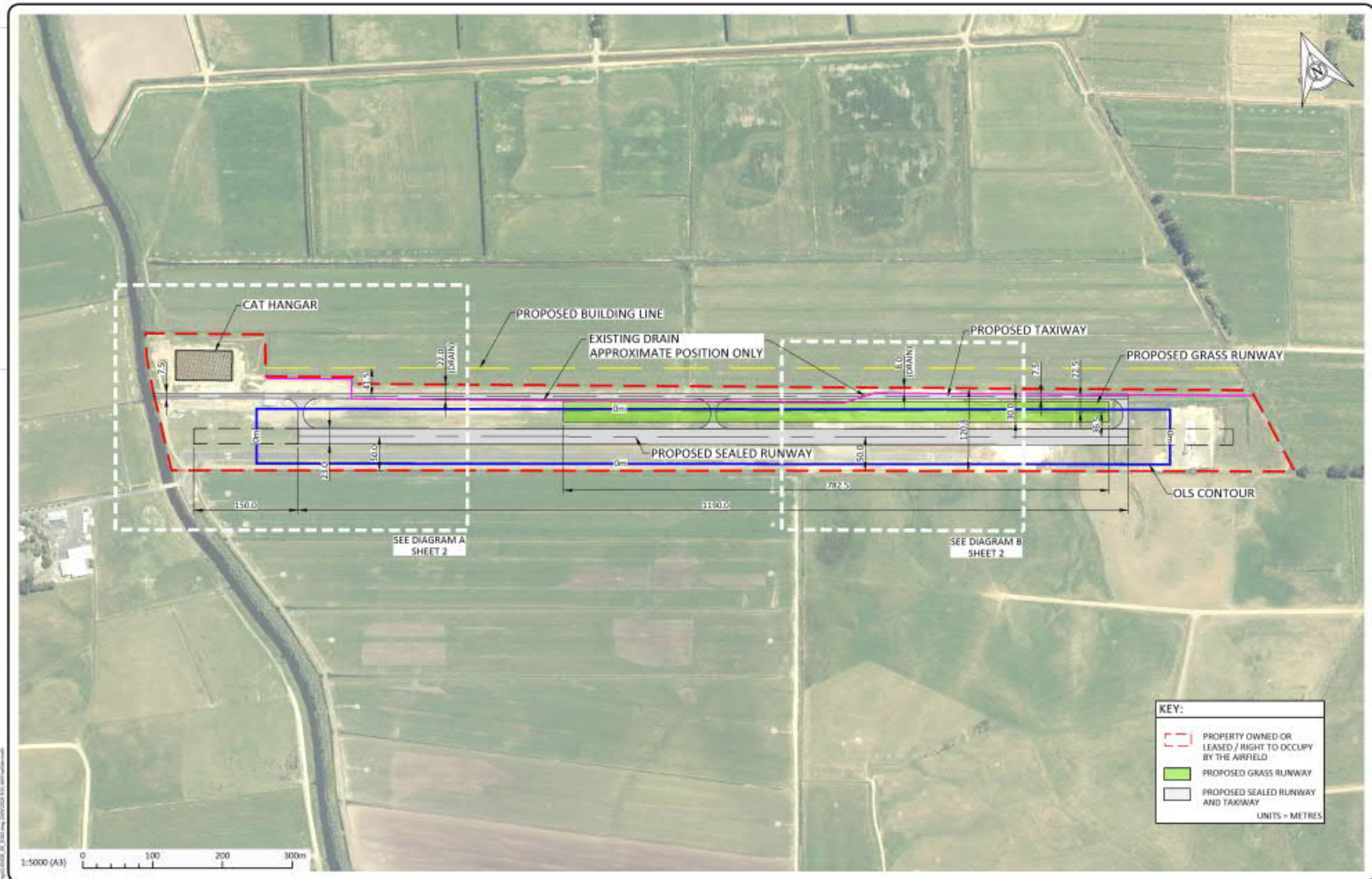








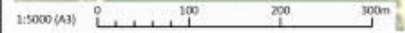
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KEY:

- PROPERTY OWNED OR LEASED / RIGHT TO OCCUPY BY THE AIRFIELD
- PROPOSED GRASS RUNWAY
- PROPOSED SEALED RUNWAY AND TAXIWAY

UNITS = METRES



NO	DATE	DESCRIPTION	BY	CHKD	APPD
1	22.09.2020	UPDATE DRAIN	HW	-	-
2	21.09.2020	UPDATE DRAIN	HW	00	-
3	25.08.2020	ADD GRASS RUNWAY, DRAIN, TAXIWAY AND DIMENSION	HW	00	HW
4	18.08.2020	UPDATE LEGAL ASBL BOUNDARY	HW	00	-
5	14.08.2020	UPDATE LEGAL ASBL BOUNDARY	HW	00	-
6	13.08.2020	INITIAL ISSUE	HW	00	-
7	03.08.2020	INITIAL ISSUE	HW	00	-



CLIENT: NEALE RUSSELL LIMITED

PROJECT: MERCER AIRPORT

DESCRIPTION: OBSTACLE LIMITATION SURFACE (OLS) OWNED AND LEASED AREAS

SHEET 1 OF 2

DATE		FOR INFORMATION	
DATE	22.09.2020	SCALE	1:5,000
REVISION NUMBER	145420_00_0102	REVISION	F

Annexure 2

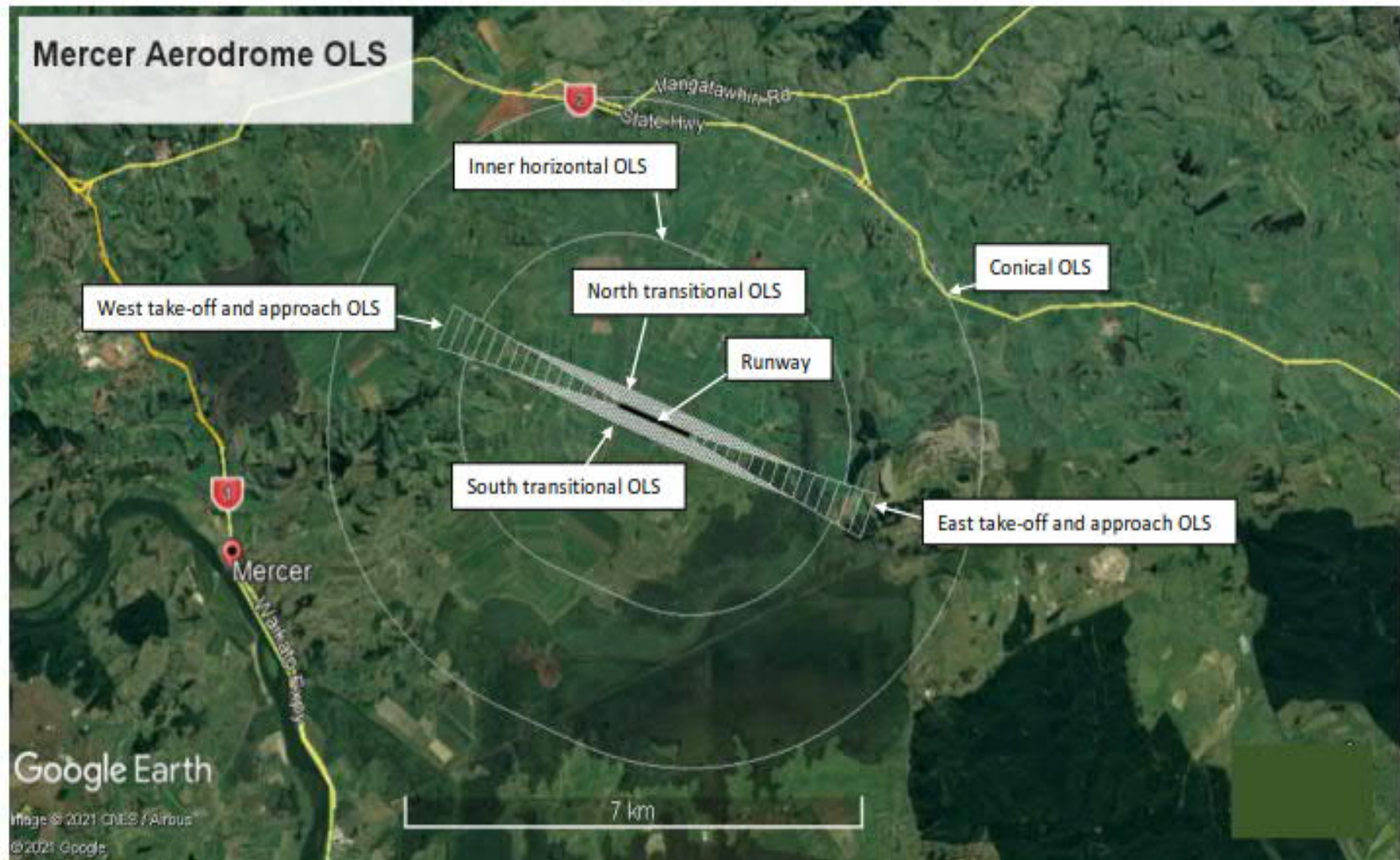


Figure 1: Extent of OLS

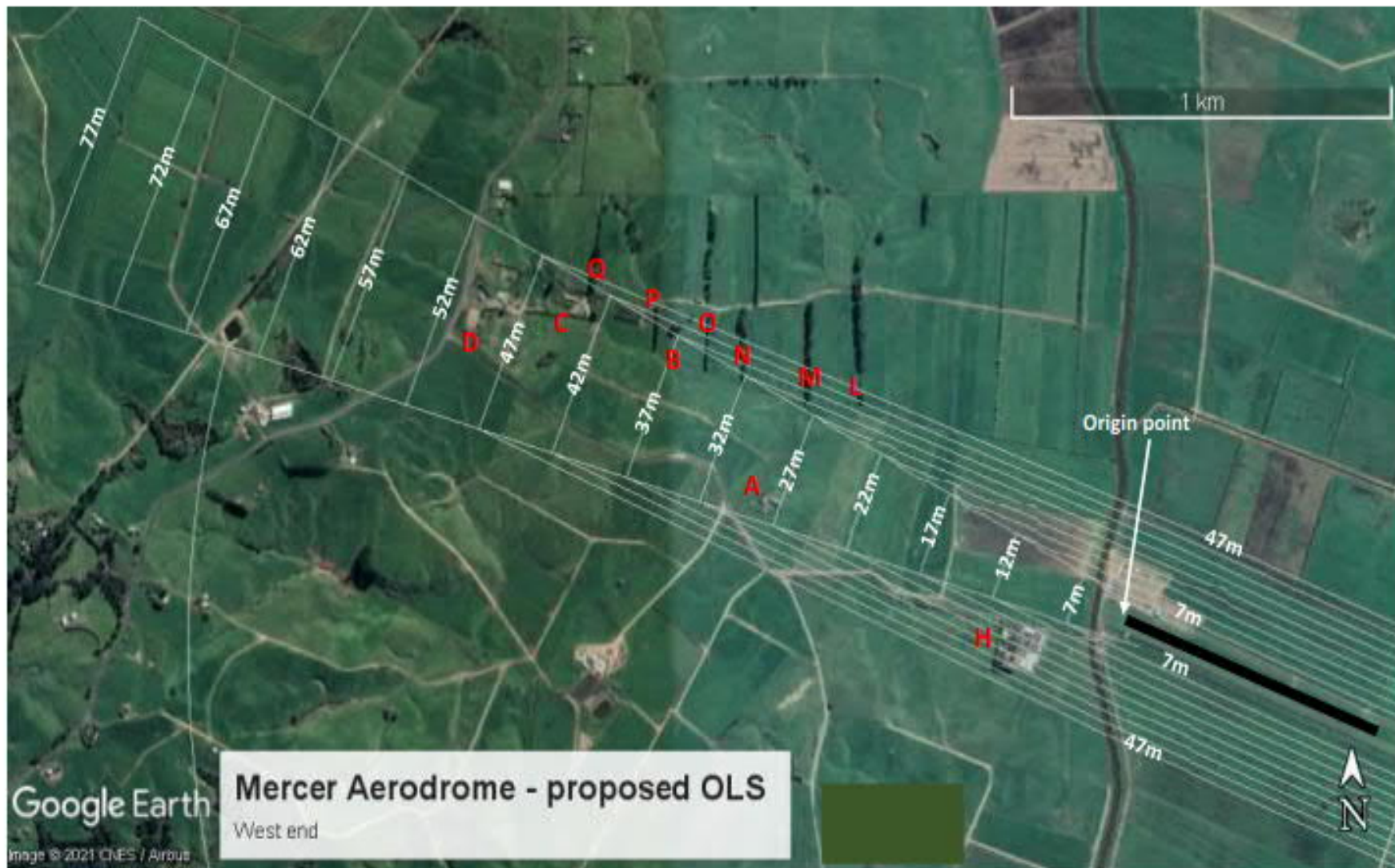


Figure 2: Western take-off and approach OLS and transitional OLS (figures are OLS heights above Moturiki datum 1953)

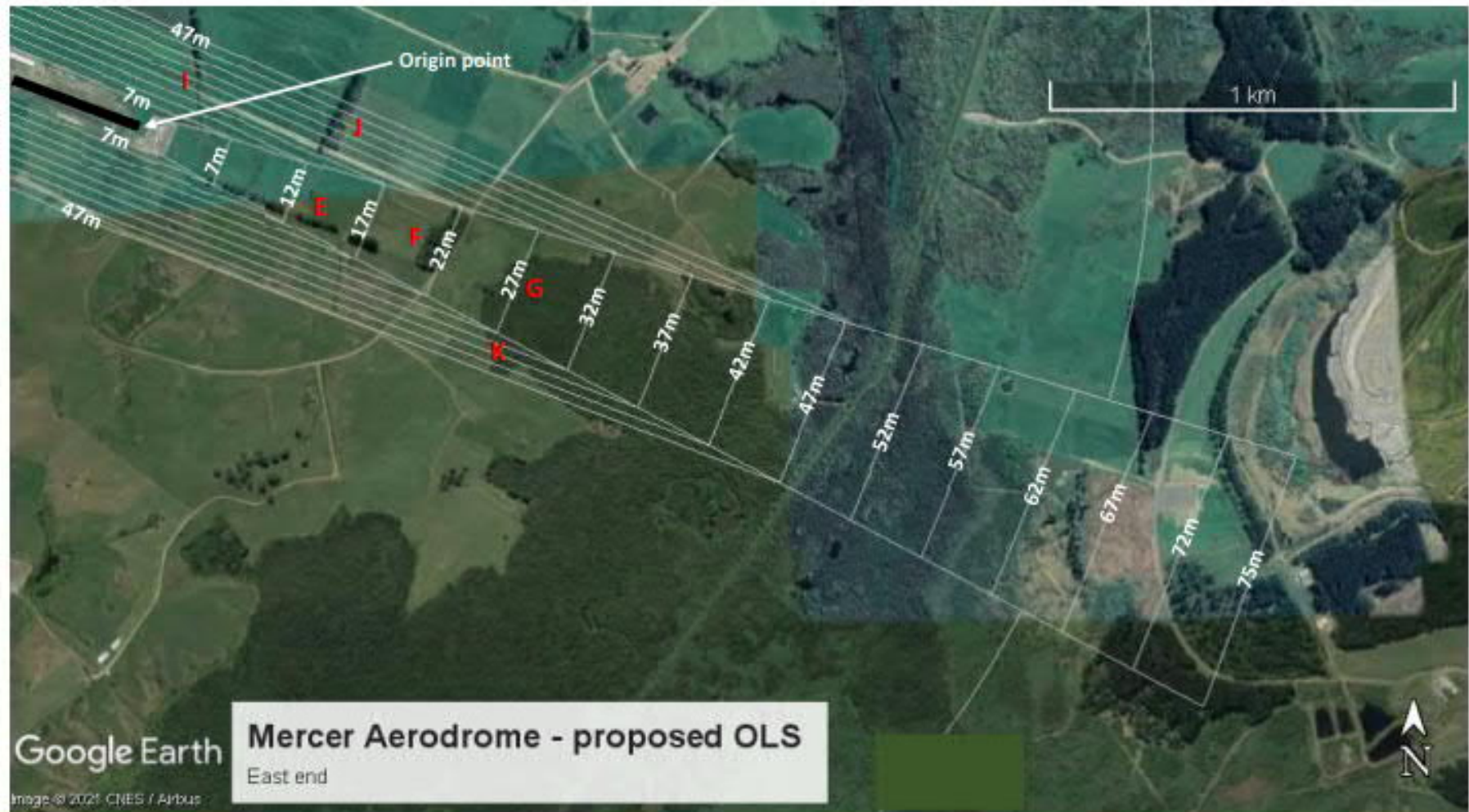
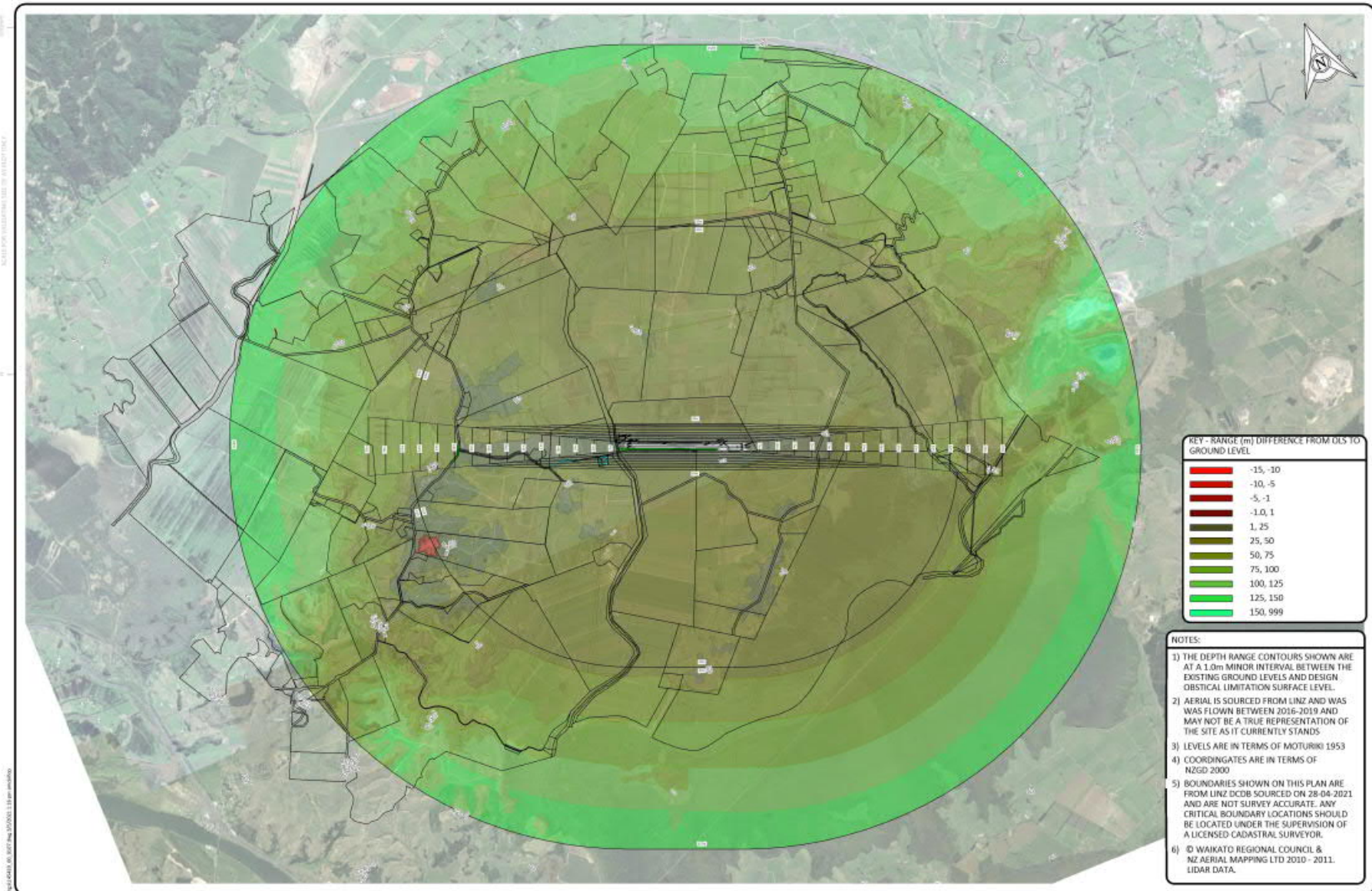


Figure 3: Western take-off and approach OLS and transitional OLS (figures are OLS heights above Moturiki datum 1953)



KEY - RANGE (m) DIFFERENCE FROM OLS TO GROUND LEVEL

Red	-15, -10
Dark Red	-10, -5
Red-Orange	-5, -1
Orange	-1.0, 1
Light Orange	1, 2.5
Yellow-Orange	2.5, 50
Yellow	50, 75
Light Green	75, 100
Green	100, 125
Dark Green	125, 150
Lightest Green	150, 999

- NOTES:
- 1) THE DEPTH RANGE CONTOURS SHOWN ARE AT A 1.0m MINOR INTERVAL BETWEEN THE EXISTING GROUND LEVELS AND DESIGN OBSTACLE LIMITATION SURFACE LEVEL.
 - 2) AERIAL IS SOURCED FROM LINZ AND WAS WAS FLOWN BETWEEN 2016-2019 AND MAY NOT BE A TRUE REPRESENTATION OF THE SITE AS IT CURRENTLY STANDS
 - 3) LEVELS ARE IN TERMS OF MOTURIKI 1953
 - 4) COORDINGATES ARE IN TERMS OF NZGD 2000
 - 5) BOUNDARIES SHOWN ON THIS PLAN ARE FROM LINZ DCDB SOURCED ON 28-04-2021 AND ARE NOT SURVEY ACCURATE. ANY CRITICAL BOUNDARY LOCATIONS SHOULD BE LOCATED UNDER THE SUPERVISION OF A LICENSED CADASTRAL SURVEYOR.
 - 6) © WAIKATO REGIONAL COUNCIL & NZ AERIAL MAPPING LTD 2010 - 2011. LIDAR DATA.

DATE	BY	DESCRIPTION
27/04/2021	INITIAL ISSUE	

DESIGNED BY	CD
DRAWN BY	ZAWREVED
CHKD BY	BM



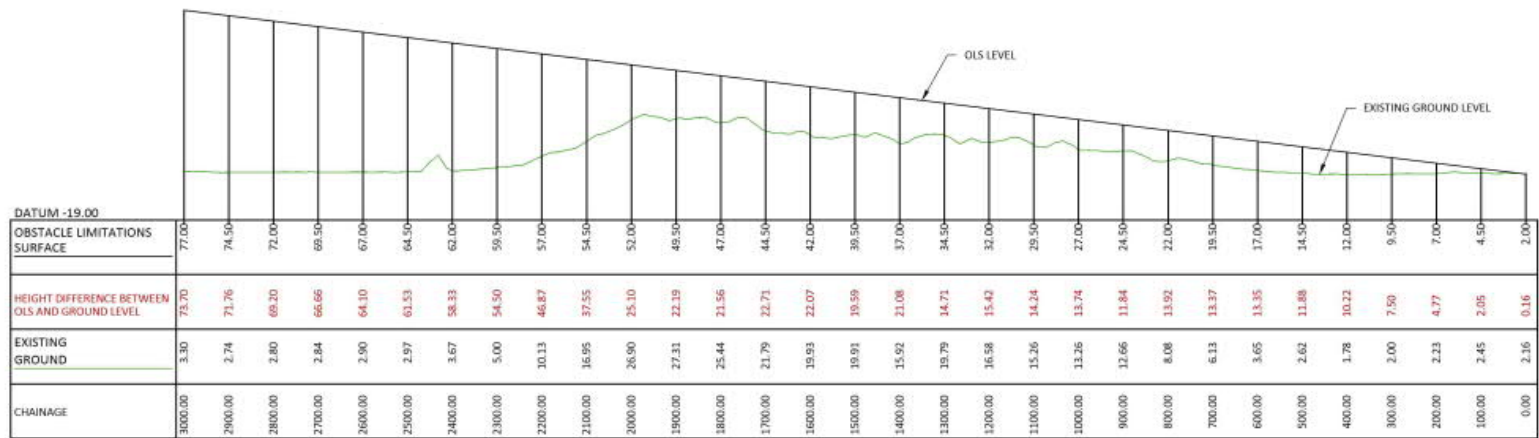
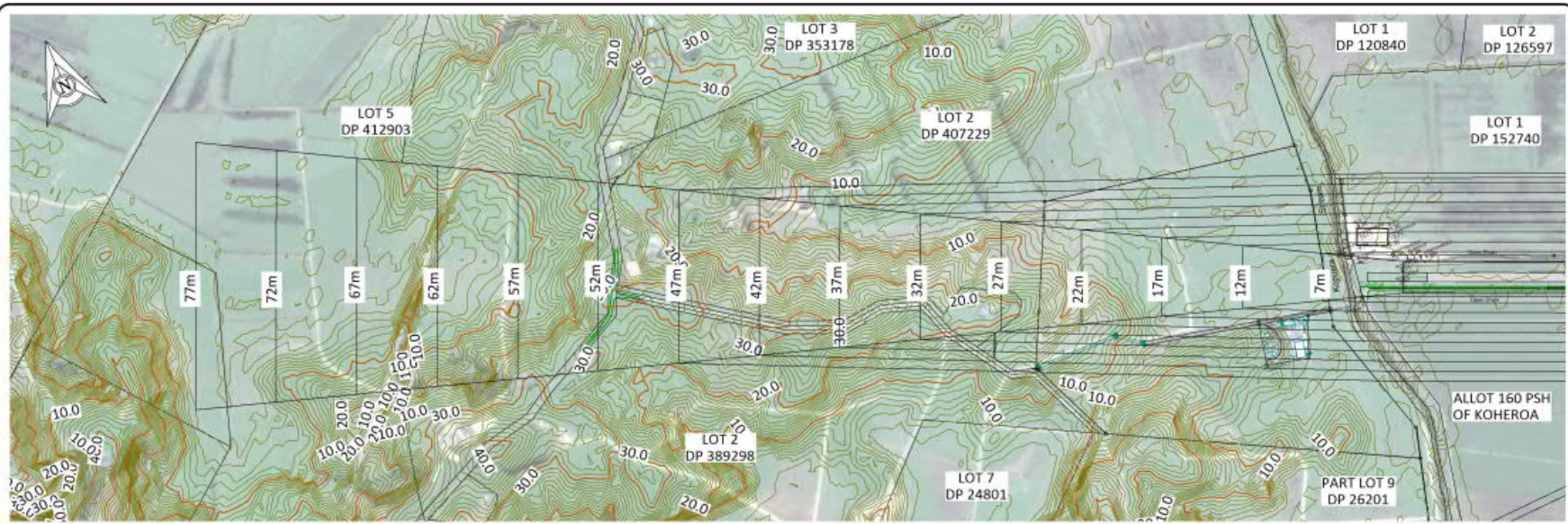
CLIENT: NEALE RUSSEL LTD

PROJECT: MERCER AIRPORT

ISSUE: OBSTACLE LIMITATION SURFACE (OLS) ORIGINAL CONTOURS EXTENTS BLOW UP 2 OF 2

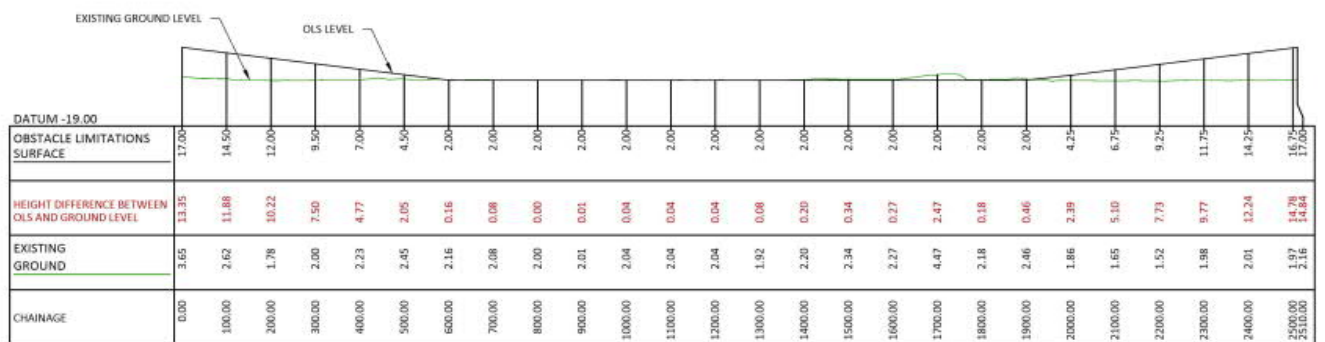
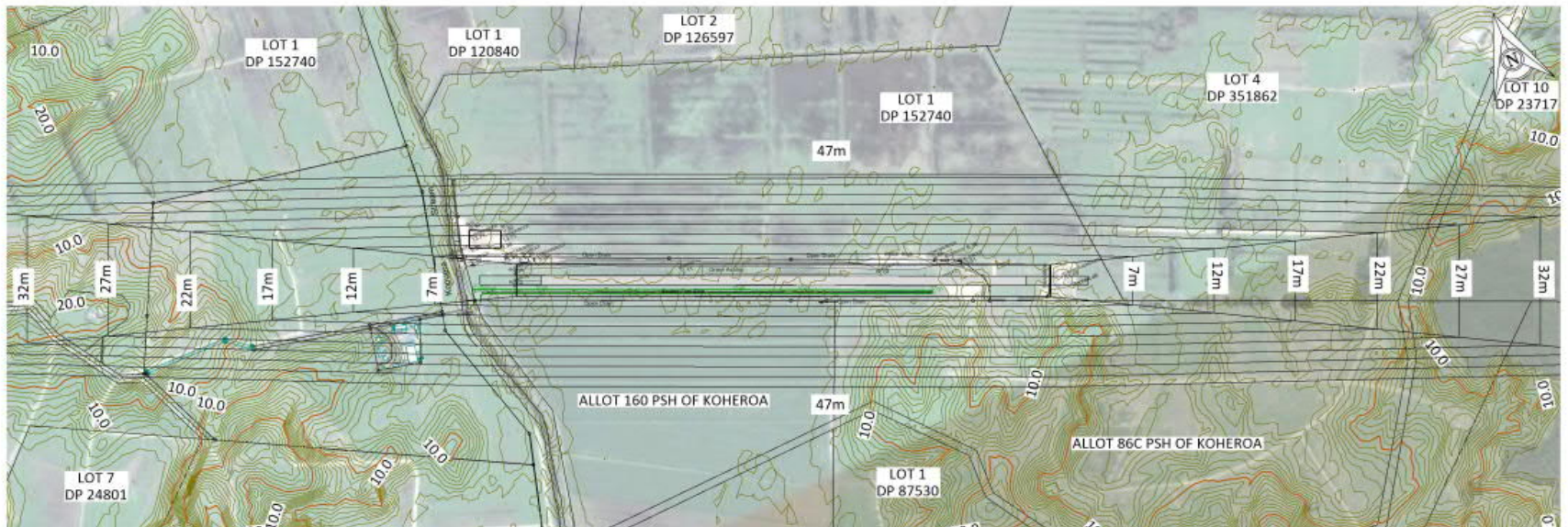
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DATE: 27/04/2021	SCALE: ORIGINAL TOP SHEET: 1:10000
PROJECT NUMBER: 145420_00_0107	REVISION: A

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LONGSECTION RSDRIVE1
Horizontal Scale 1:10000
Vertical Scale 1:2000

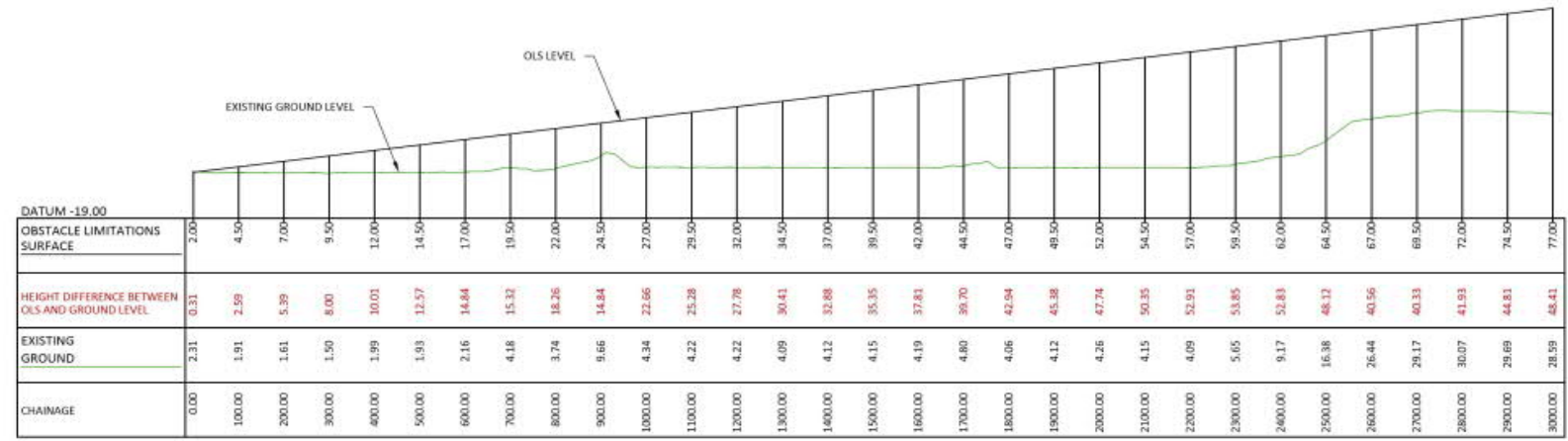
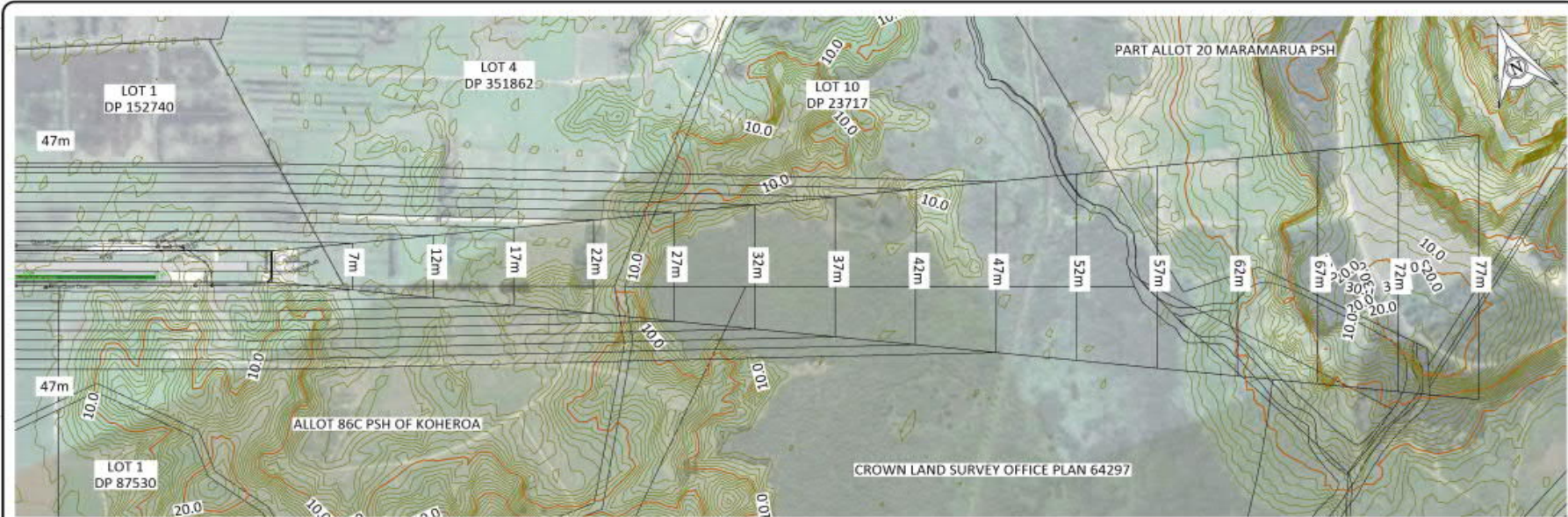
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LONGSECTION RSDRIVE2
Horizontal Scale 1:10000
Vertical Scale 1:2000

- NOTES:
- 1) THE DEPTH RANGE CONTOURS SHOWN ARE AT A 1.0m MINOR INTERVAL BETWEEN THE EXISTING GROUND LEVELS AND DESIGN OBSTACLE LIMITATION SURFACE LEVEL.
 - 2) AERIAL IS SOURCED FROM LINZ AND WAS FLOWN BETWEEN 2016-2019 AND MAY NOT BE A TRUE REPRESENTATION OF THE SITE AS IT CURRENTLY STANDS
 - 3) LEVELS ARE IN TERMS OF MOTURIKI 1953 NZGD 2000
 - 4) COORDINATES ARE IN TERMS OF NZGD 2000
 - 5) BOUNDARIES SHOWN ON THIS PLAN ARE FROM LINZ DCDB SOURCED ON 28-04-2021 AND ARE NOT SURVEY ACCURATE. ANY CRITICAL BOUNDARY LOCATIONS SHOULD BE LOCATED UNDER THE SUPERVISION OF A LICENSED CADASTRAL SURVEYOR.
 - 6) © WAIKATO REGIONAL COUNCIL & NZ AERIAL MAPPING LTD 2010 - 2011. LIDAR DATA.

DATE: 27/04/2021 DRAWN BY: [blank] CHECKED BY: [blank] SCALE: 1:10000 PROJECT NO: 145420_00_0112	bboblox BLOXAM BURNETT & OLLIVER	CLIENT: NEALE RUSSEL LTD PROJECT: MERCER AIRPORT DRAWING: OBSTACLE LIMITATION SURFACE (OLS) ORIGINAL CONTOURS EXTENTS BLOW UP 2 OF 3	STATUS: PRELIMINARY DATE: 27/04/2021 SCALE: 1:10000 PROJECT NO: 145420_00_0112 DRAWING NO: A
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LONGSECTION RSDRIVE3
Horizontal Scale 1:10000
Vertical Scale 1:2000

27/04/2021 INITIAL ISSUE DATE 145420_00_0113		BSC FP 10 2000				NEALE RUSSEL LTD CLIENT		MERCER AIRPORT PROJECT		OBSTACLE LIMITATION SURFACE (OLS) ORIGINAL CONTOURS EXTENTS BLOW UP 3 OF 3 DRAWING NUMBER		PRELIMINARY DATE 27/04/2021 SCALE 1:10000 145420_00_0113 REVISION A	
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Council	Overlay?	Airfield	Comments
TCDC PDP	28.1.5	Coromandel	Small-scale, personal use airfields that are unlikely to generate unreasonable noise in the future.
		Pauanui	Small-scale, personal use airfields that are unlikely to generate unreasonable noise in the future.
		Thames	Surrounded by Firth of Thames, stormwater ponds and recreation reserve so not future issue
		Whitianga	Yes
AUP	D24.1	Ardmore	Yes
		Kaipara Flats	Yes
		North Shore	Yes
		Whenuapai	Yes
Gulf Islands, Auckland	13.3.2	Okiwi Map 42	Yes
		Claris Map 54	Yes
Far North	15.2	Kaitia	Limits on house construction to > 1.2km of runway CL
		Kerikeri	Yes
		Kaikohe	Yes
Hastings	25.1.7F	Bridge Pa	Yes
Tokoroa	NA		Nothing (the district Plan is quite short)

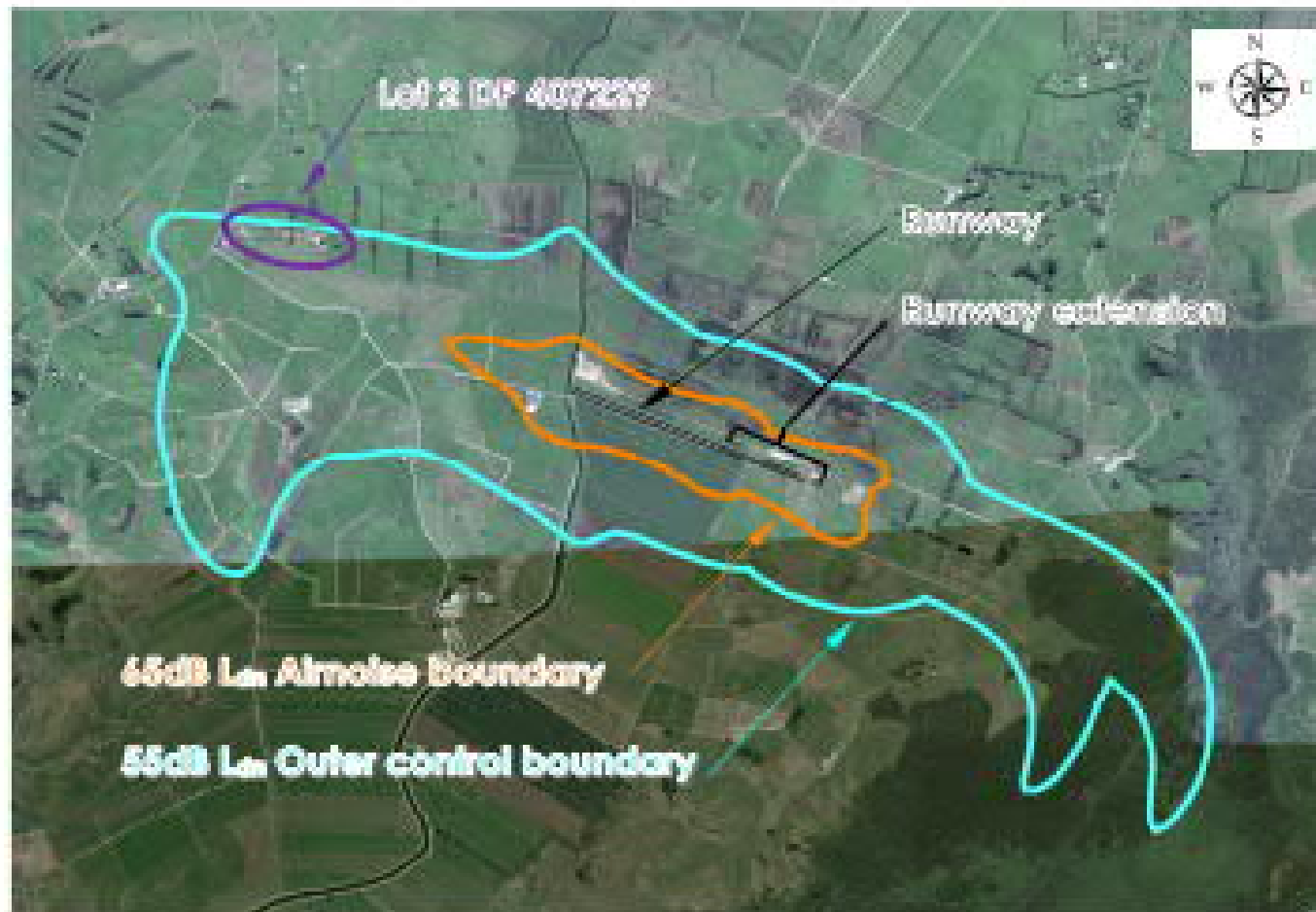
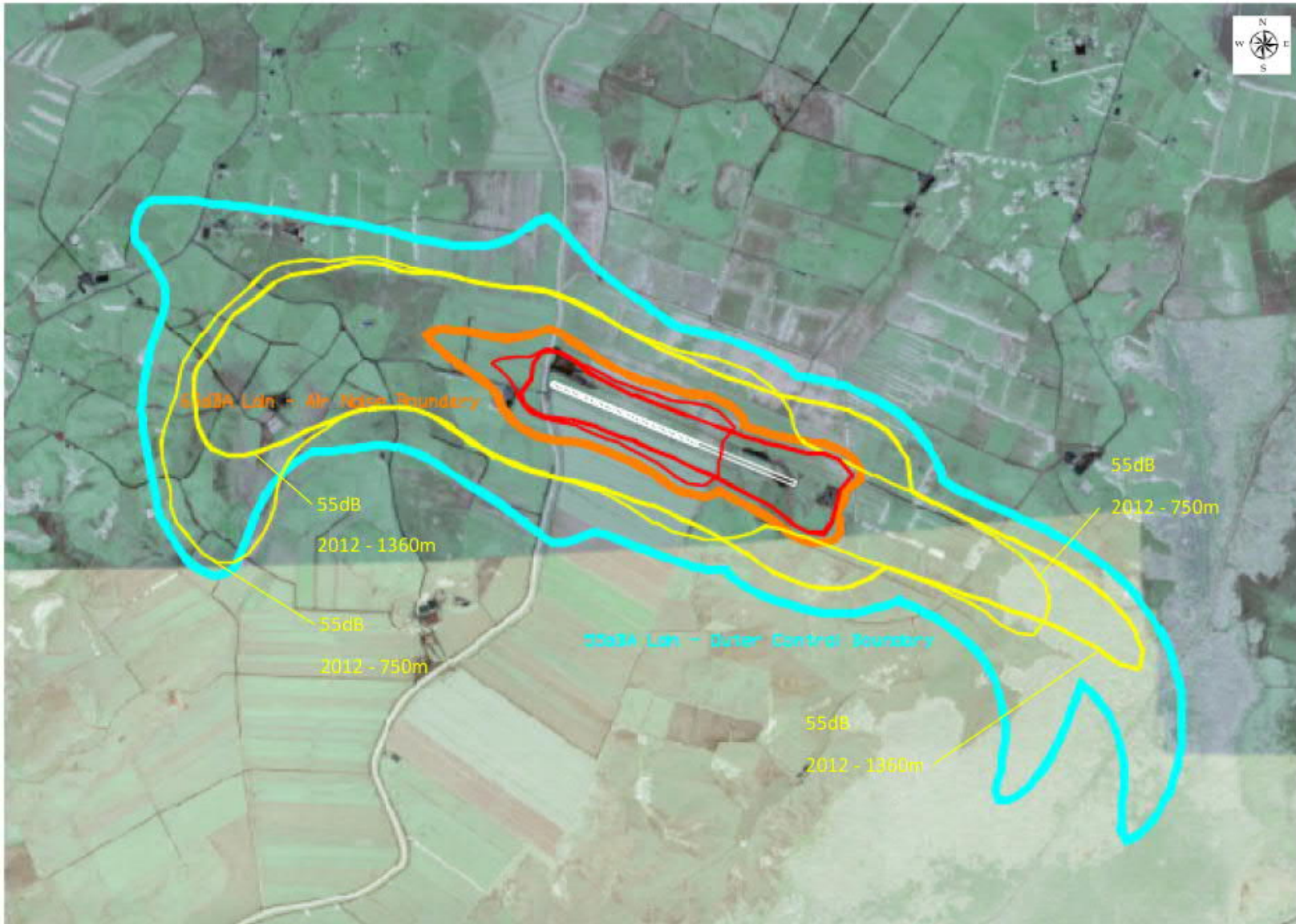
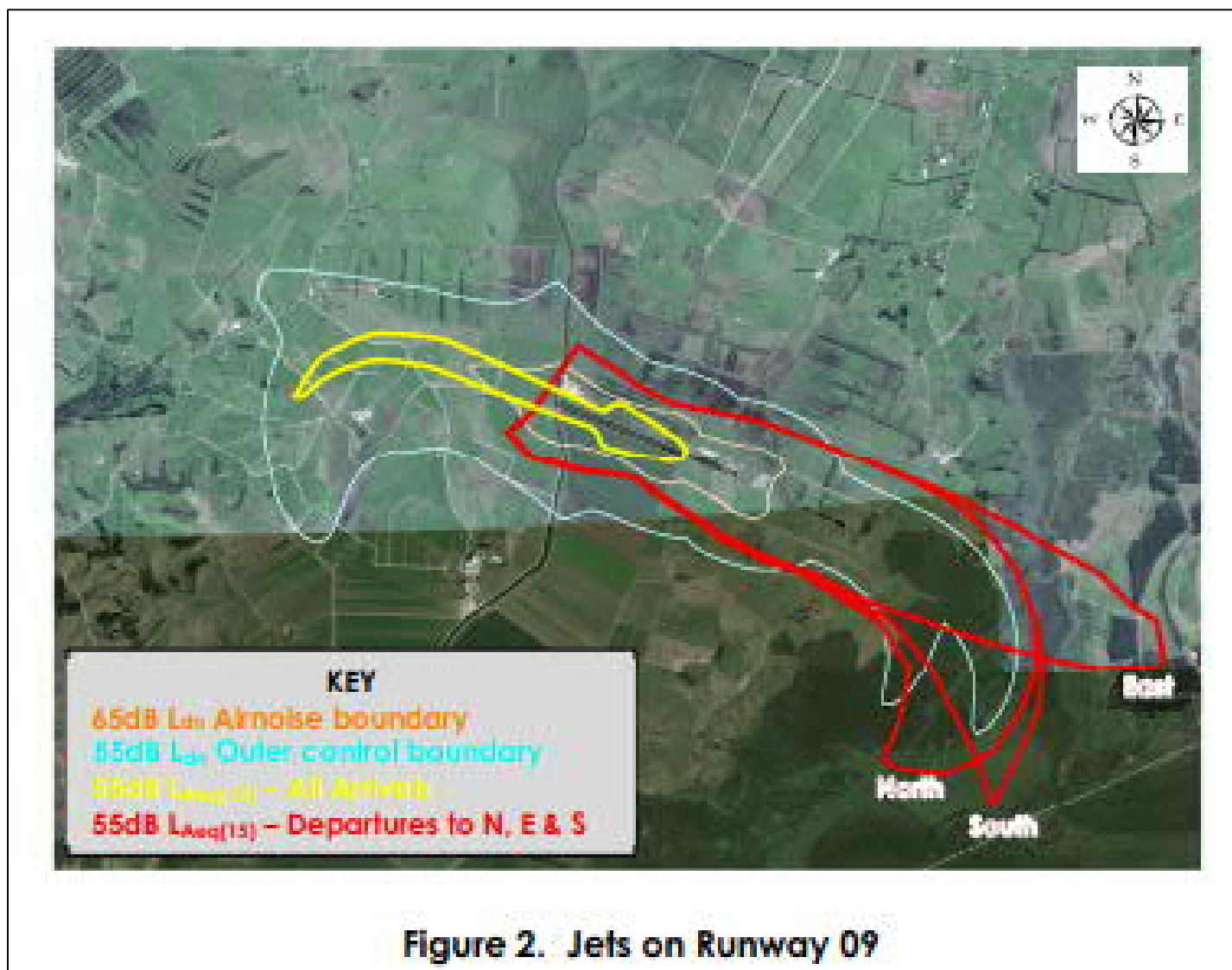


Figure 1. Proposed Annoise and Outer Control Boundaries 6



Mercer Air Noise Contours (55 and 65dBA L_{dn}), Current Consent and Proposed



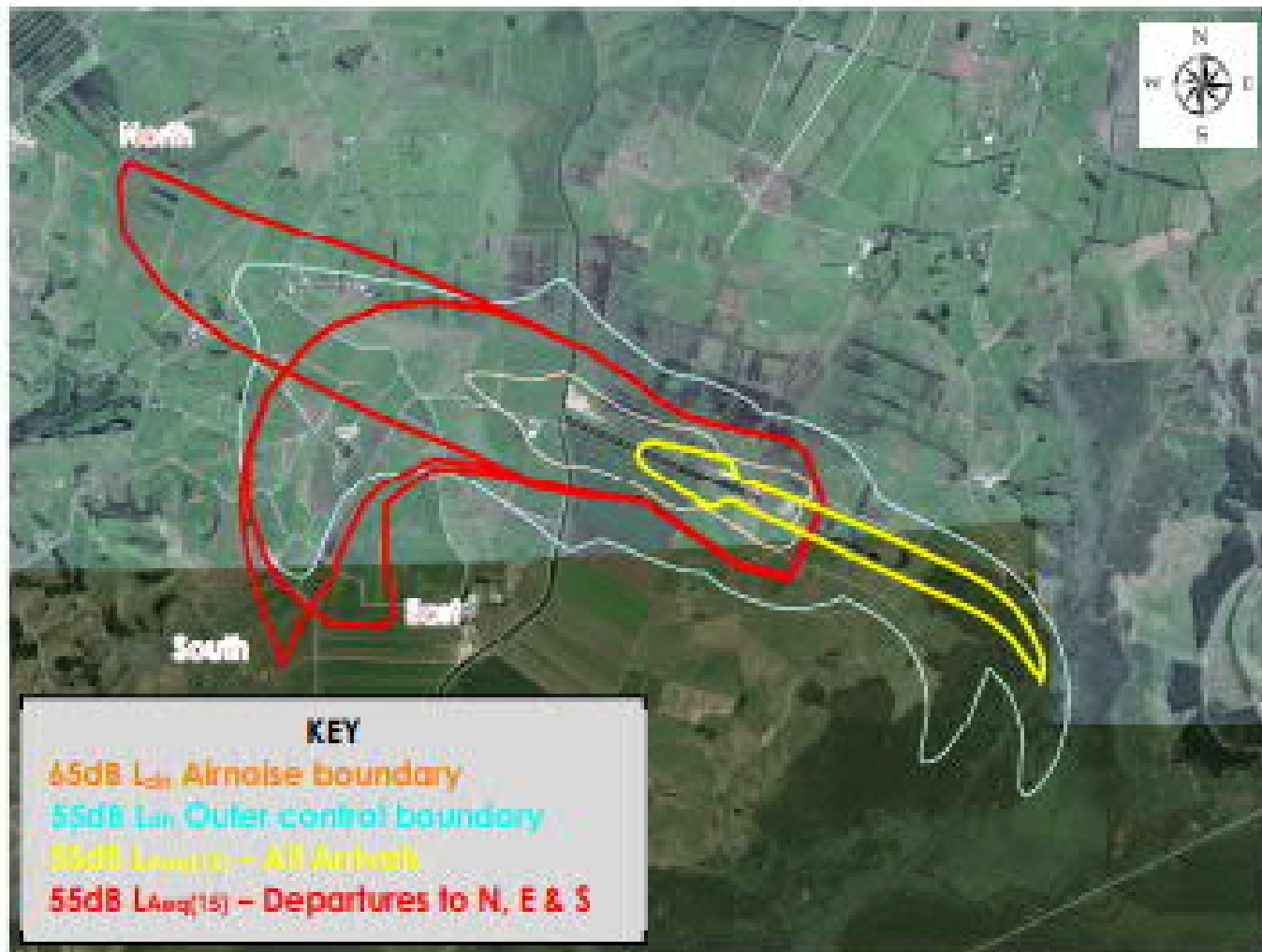


Figure 3. Jet Arrivals and Departures on Runway 27

