ESSENDON AERODROME

OBSTACLE LIMITATION SURFACE DIMENSIONS
CO-ORDINATES ARE MGA94 ZONE 55.
AERODROME REF. POINT E.315096.349 N.5822281.031 RL 78.5

RUNWAY 08 - 26

CODE 4 PRECISION INSTRUMENT RUNWAY AND NON INSTRUMENT RUNWAY

08 THRESHOLD 314315.359 5821896.614 72.923
26 THRESHOLD 316235.534 5822005.405 73.041
CENTRELINE BEARING 266° 45' 30"

TAKE OFF SURFACES

TAKE OFF GRADE 2%
LENGTH OF TAKE OFF AREA 15000 metres
INNER EDGE LENGTH 180 metres
DIVERGENGE ANGLE 12.5%

26 APPROACH SURFACE

FIRST SECTION GRADE 2%
FIRST SECTION LENGTH 3000 metres
SECOND SECTION GRADE 2.5%
SECOND SECTION LENGTH 3600 metres
HORIZONTAL SECTION LENGTH 8400 metres
INNER EDGE LENGTH 300 metres
DIVERGENCE ANGLE 15%

08 APPROACH SURFACE

FIRST SECTION GRADE 2.5%
FIRST SECTION LENGTH 3000 metres
INNER EDGE LENGTH 150 metres
DIVERGENCE ANGLE 10%

OBSTACLE FREE ZONE DIMENSIONS

RUNWAY 26
INNER APPROACH SURFACE
APPROACH GRADE 2%
APPROACH LENGTH 900 metres
INNER EDGE LENGTH 120 metres
DIVERGENCE ANGLE 0%

BAULKED LANDING SURFACE
BAULKED LANDING SLOPE 3.3%
DIST FROM THRESHOLD 1800 metres
INNER EDGE LENGTH 120 metres
DIVERGENCE ANGLE 10%

RUNWAY 17 - 35

17 THRESHOLD 314983.936 5823130.465 85.890
35 THRESHOLD 315074.798 5821629.007 72.964
CENTRELINE BEARING 176° 32' 10"

TAKE OFF SURFACES

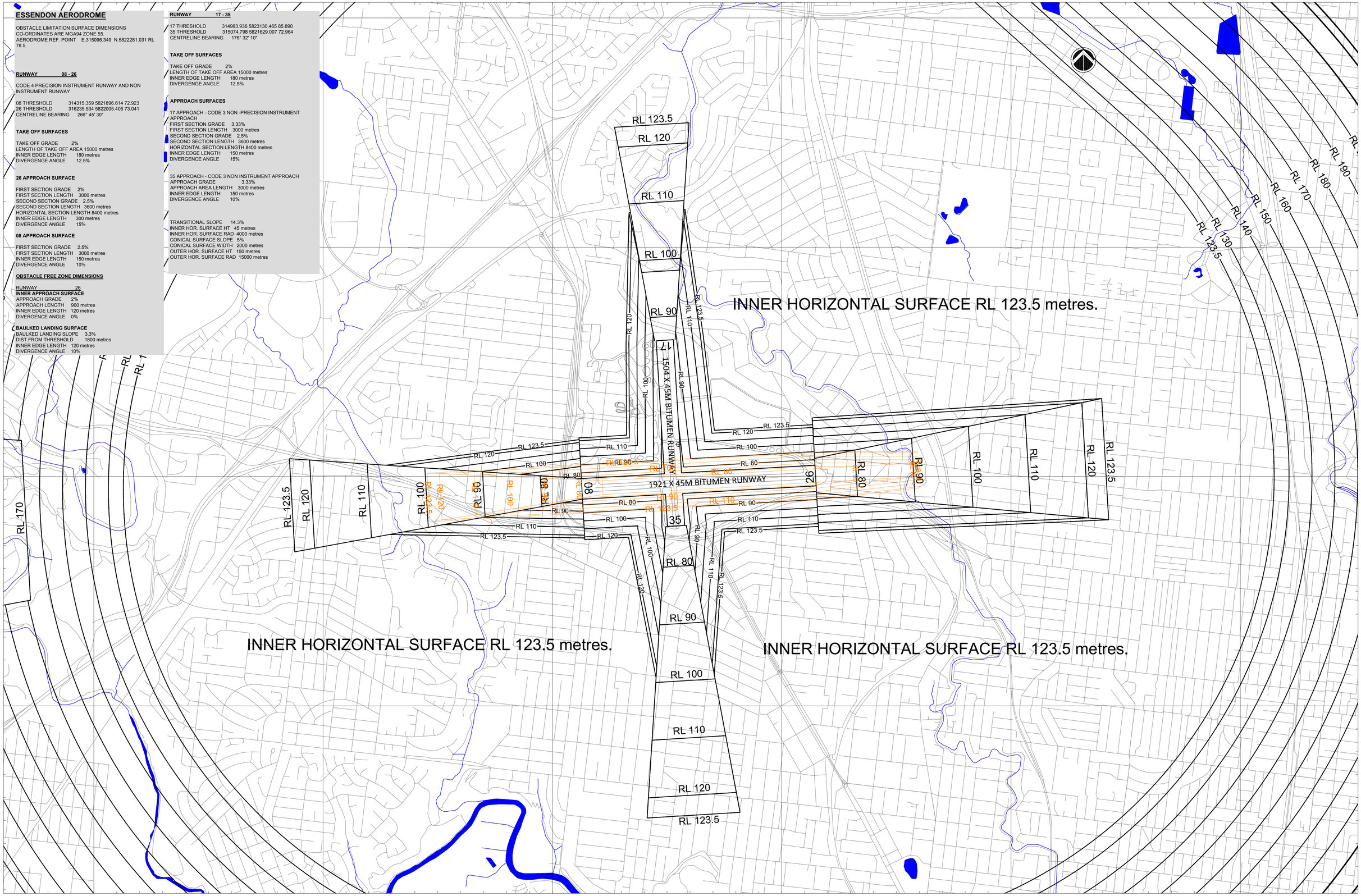
TAKE OFF GRADE 2%
LENGTH OF TAKE OFF AREA 15000 metres
INNER EDGE LENGTH 180 metres
DIVERGENGE ANGLE 12.5%

APPROACH SURFACES

17 APPROACH - CODE 3 NON -PRECISION INSTRUMENT APPROACH
FIRST SECTION GRADE 3.33%
FIRST SECTION LENGTH 3000 metres
SECOND SECTION GRADE 2.5%
SECOND SECTION LENGTH 3600 metres
HORIZONTAL SECTION LENGTH 8400 metres
INNER EDGE LENGTH 150 metres
DIVERGENCE ANGLE 15%

35 APPROACH - CODE 3 NON INSTRUMENT APPROACH
APPROACH GRADE 3.33%
APPROACH AREA LENGTH 3000 metres
INNER EDGE LENGTH 150 metres
DIVERGENCE ANGLE 10%

TRANSITIONAL SLOPE 14.3%
INNER HOR. SURFACE HT 45 metres
INNER HOR. SURFACE RAD 4000 metres
CONICAL SURFACE SLOPE 5%
CONICAL SURFACE WIDTH 2000 metres
OUTER HOR. SURFACE HT 150 metres
OUTER HOR. SURFACE RAD 15000 metres



DRAWN	P.FITZGERALD
DATE	05.02.2019
SURVEYED	
DATE	
ARCHIVED	
DRAWING No.	MEN/027 Sheet 1 of 3 Sheets

NOTE:
- LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)
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- DUE TO THE VARIABLE NATURE OF THE TRANSITIONAL SURFACE, OBJECTS LOCATED WITHIN IT SHOULD BE CHECKED BY GROUND SURVEY FOR CLEARANCE
- OFZ CONTOURS SHOWN IN ORANGE, OLS SHOWN IN BLACK

CLIENT
ESSENDON FIELDS AERODROME

AIRPORT SURVEYS
0409 230 650
paul@airportsurveys.com.au

PROJECT
OBSTACLE LIMITATION SURFACES
RUNWAY 08/26 180m RUNWAY STRIP WIDTH, RUNWAY 26 APPROACH 300m INNER EDGE

Meters
300 0 300 600
1:15000

AMENDMENTS

DATE	AMENDMENT	SIGNED
02.04.2019	OFZ ADDED	PJF
17.04.2019	OFZ PARAMETERS ADDED	PJF

ESSENDON AERODROME

OBSTACLE LIMITATION SURFACE DIMENSIONS
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26 THRESHOLD 316235.534 5822005.405 73.041
CENTRELINE BEARING 266° 45' 30"

TAKE OFF SURFACES

TAKE OFF GRADE 2%
LENGTH OF TAKE OFF AREA 15000 metres
INNER EDGE LENGTH 180 metres
DIVERGENGE ANGLE 12.5%

26 APPROACH SURFACE

FIRST SECTION GRADE 2%
FIRST SECTION LENGTH 3000 metres
SECOND SECTION GRADE 2.5%
SECOND SECTION LENGTH 3600 metres
HORIZONTAL SECTION LENGTH 8400 metres
INNER EDGE LENGTH 300 metres
DIVERGENCE ANGLE 15%

08 APPROACH SURFACE

FIRST SECTION GRADE 2.5%
FIRST SECTION LENGTH 3000 metres
INNER EDGE LENGTH 150 metres
DIVERGENCE ANGLE 10%

OBSTACLE FREE ZONE DIMENSIONS

RUNWAY 26
INNER APPROACH SURFACE
APPROACH GRADE 2%
APPROACH LENGTH 900 metres
INNER EDGE LENGTH 120 metres
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BAULKED LANDING SURFACE
BAULKED LANDING SLOPE 3.3%
DIST.FROM THRESHOLD 1800 metres
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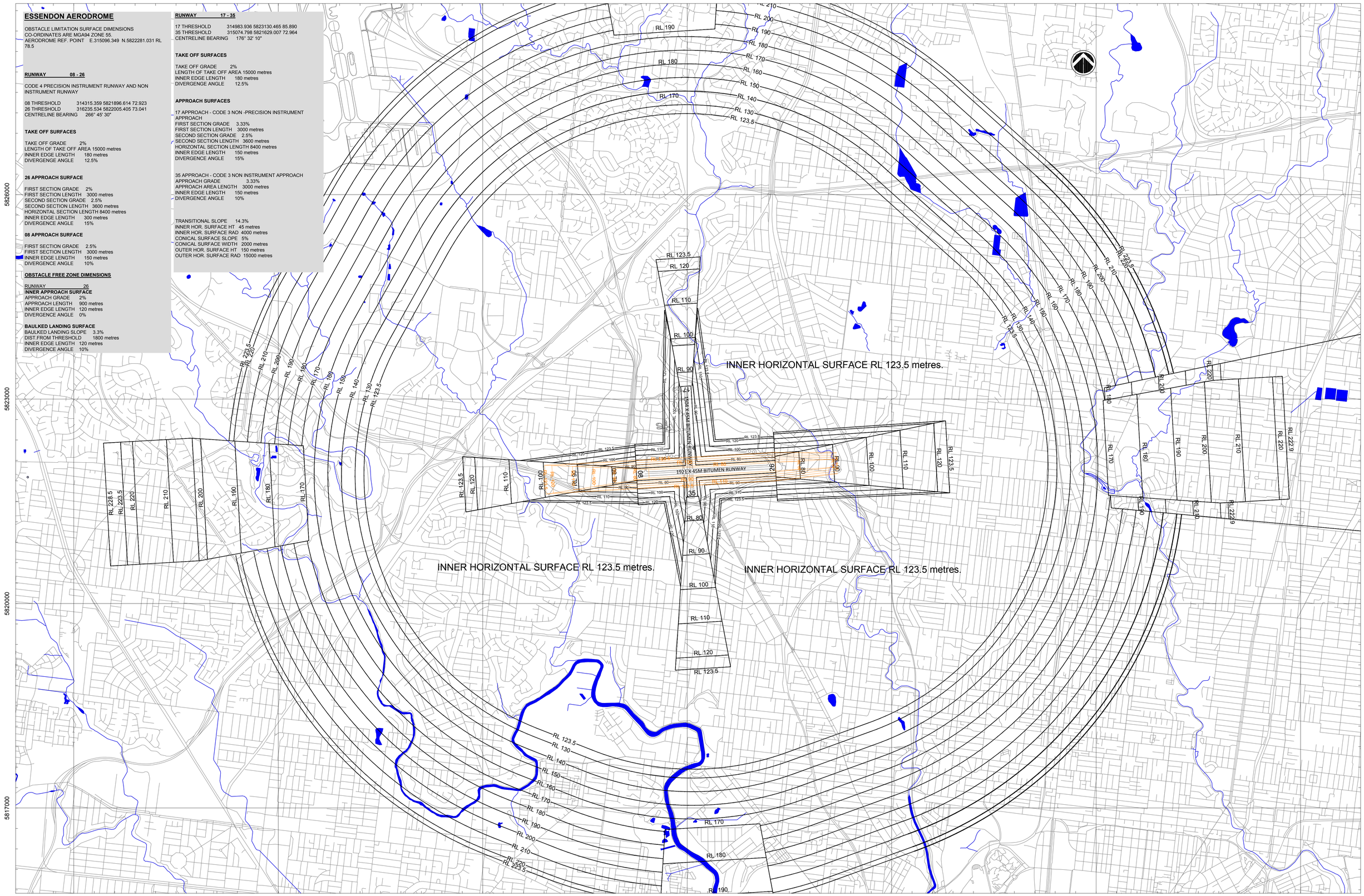

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PROJECT

OBSTACLE LIMITATION SURFACES

RUNWAY 08/26 180m RUNWAY STRIP WIDTH, RUNWAY 26 APPROACH 300m INNER EDGE

Meters
500 0 500 1000
1:25000

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OBSTACLE FREE ZONE DIMENSIONS

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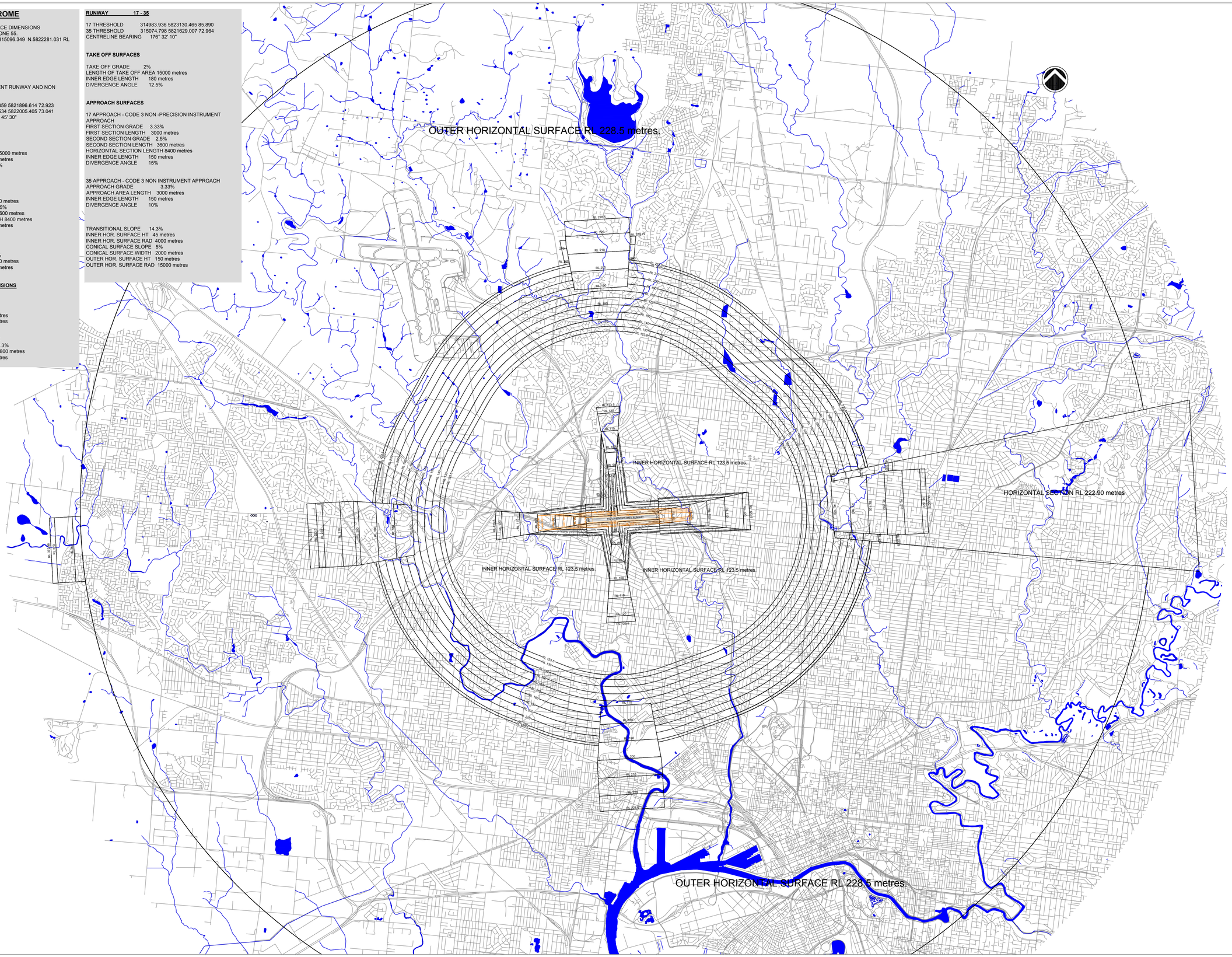

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Meters
1000 0 1000 2000
1:50000

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