

APPENDIX 25

SDP AND LINEAR LAYOUT WITH COORDINATES

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GENERAL NOTES

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- * REINFORCED CONCRETE AND STRUCTURAL STEEL WORK IS TO BE IN ACCORDANCE WITH THE STRUCTURAL ENGINEERS DESIGN AND SPECIFICATIONS.

DRAINAGE NOTES

- * ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
- * PIPES TO BE CARRIED UP TO OR ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 6m.
- * INSPECTOR'S EYES & IN TO BE PROVIDED AT ALL BENDS AND JUNCTIONS OF SOIL AND WASTE PIPES.
- * RISING LINES & IN TO BE PROVIDED AT HEADS OF DRAINS AND AT A MAXIMUM OF 2m SPACED ALONG RANGE OF DRAIN.
- * MANHOLE COVERS TO BE PROVIDED AT GRADE LEVEL FOR ALL BELOW FINING REGULAR TRAPS TO BE PROVIDED TO ALL WASTE FITTINGS.
- * SOIL WITH DRAINING PASSING UNDER BUILDINGS TO BE ENCASED IN 150mm CONCRETE ALL ROUND AND BE PROVIDED WITH 14.4 AS CLOSE TO THE BUILDING AS POSSIBLE AT BOTH ENDS.
- * SOIL WASTE PIPES HAVING A VERTICAL DROP EXCEEDING 1500mm TO THE MAIN DRAIN TO BE ANTI-SIPHONED.
- * ALL BRASS WORK EXCEEDING 6m LENGTH TO BE VENTED.
- * PVC PIPES ARE TO BE LAD IN ACCORDANCE WITH THE MANUFACTURERS TECHNICAL SPECIFICATIONS.

FIRE DEPARTMENT'S REQUIREMENTS

- * ALL WORK IS TO COMPLY WITH SABS 406.
- * ALL ESTABLISHMENTS TO BE RETALLED IN ACCORDANCE WITH SABS 5105.
- * FIRE RISERS TO BE INSTALLED IN ACCORDANCE WITH SABS 541.
- * FIRE ALARMS TO BE INSTALLED IN ACCORDANCE WITH SABS 110 PART 1.
- * PORTABLE FIRE EXTINGUISHERS TO BE PLACED ON PURPOSE MADE STANDS AND LOCATED IN SECURE POSITIONS AS INDICATED ON PLAN.
- * DOORS TO BE FITTED TO COMPLY WITH SABS 504 AND TO BE FITTED WITH APPROVED SELF CLOSING OR AUTOMATIC CLOSING DEVICES.
- * STRUCTURAL BUILDINGS AND COMPONENTS TO COMPLY WITH SET 1.
- * FIRE EXIT DOORS ARE TO BE FITTED WITH EMERGENCY EXIT LOCKSETS.
- * SYMBOL SAFETY SIGNS TO BE IN ACCORDANCE WITH SABS CODE 1158 AND POSITIONED AS REQUIRED BY THE FIRE DEPARTMENT.

1

1	Issue ATOT and Project	2024-06-24
2	FOR REVIEW	2024-04-10
3	FOR REVIEW	2024-04-03
4	FOR REVIEW	2024-04-03

Rev: Description Revision Date

UNIT 16 First Floor
BOERPLAN BUSINESS PARK
BOERPLAN
OFF KALB & BOERPLAN STREET
2158
CAPEX PROJECTS Tel: 011 702 4269 P:160

CLIENT
CAPEX PROJECTS

CLIENT
CAPE AERO

Client: _____
Engineer: _____ Registration No: Designer: _____ SACAP No: _____

CLIENT
PHS Consulting

TITLE
EXISTING SITE PLAN

DRAWING
CWA - PRECINCT PLANS

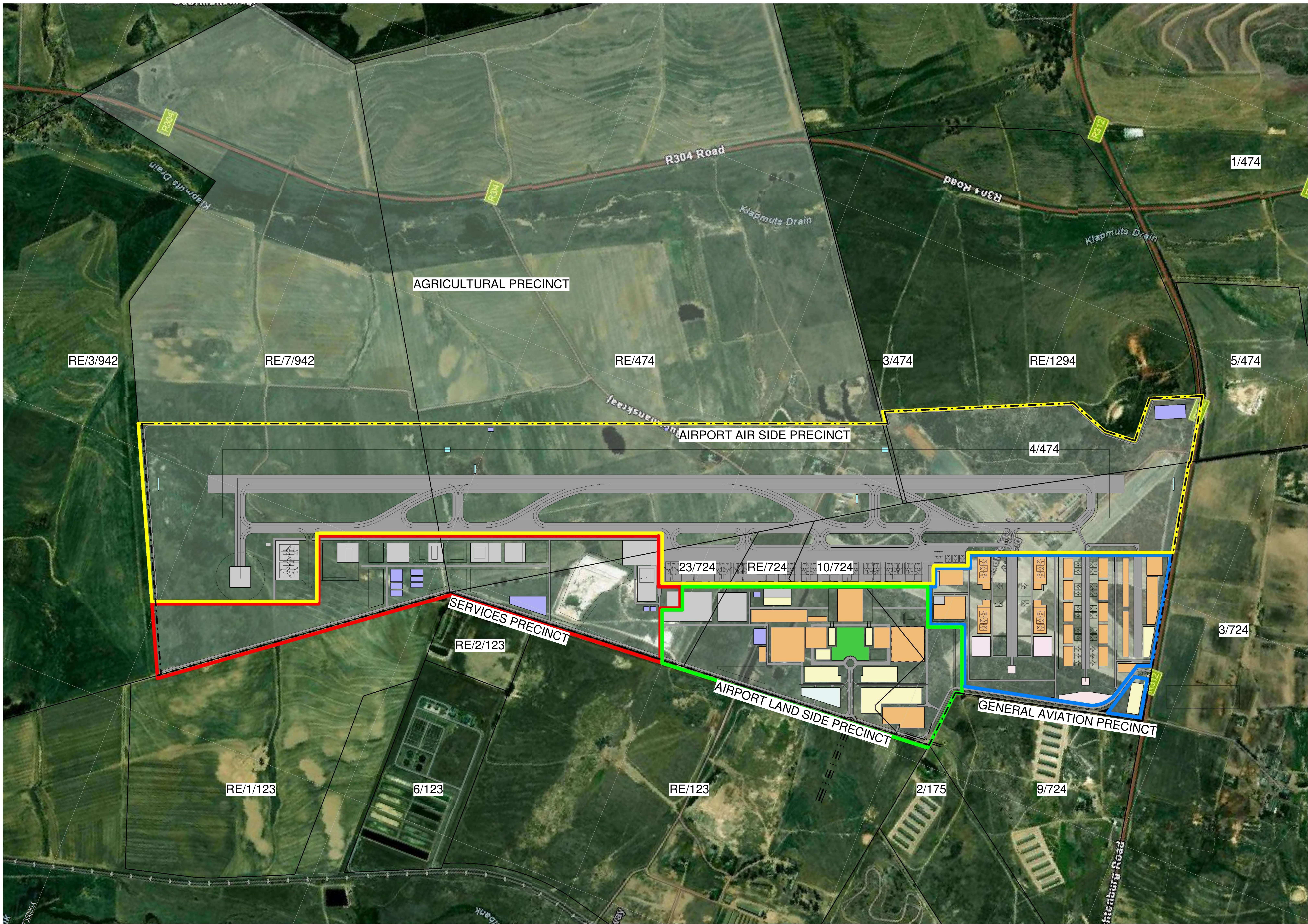
REV	DATE	BY	CHK	APP
AD	2024-03-27	100		5

SCALE: 1:5000

EXISTING SITE PLAN

0 62.5 m 125.0 m 250.0 m

SCALE: 1:5000



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GENERAL NOTES

- * ALL BUILDING WORK AND BUILDING REQUIREMENTS ARE TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL BUILDING REGULATIONS AND BUILDING ENACTMENTS ACT OF THE 1977.
- * THIS DRAWING IS NOT TO BE SCALED. USE FIGURED DIMENSIONS ONLY.
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- * REINFORCED CONCRETE AND STRUCTURAL STEEL WORK IS TO BE IN ACCORDANCE WITH THE STRUCTURAL ENGINEERS DESIGN AND SPECIFICATIONS.

DRAINAGE NOTES

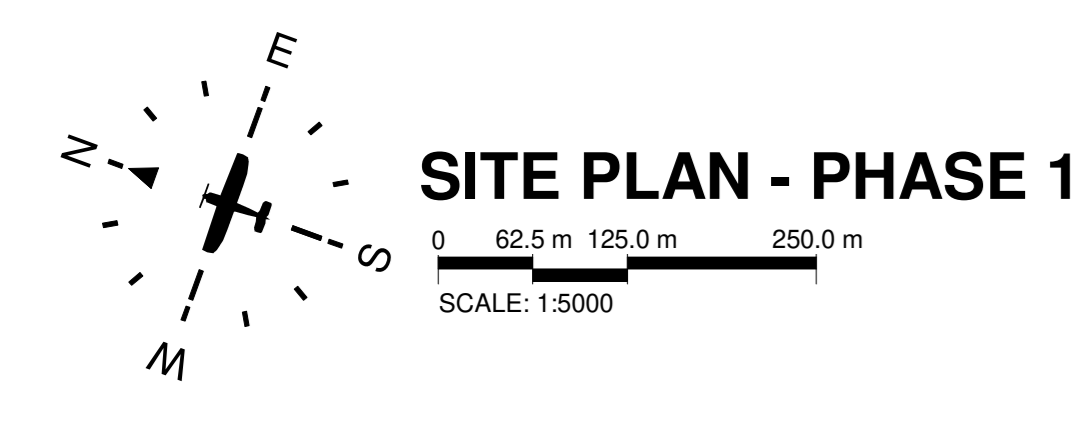
- * ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
- * V.P. TO BE CHECKED TO 20 ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 5m.
- * INSPECTION EYES 1.5m TO BE PROVIDED AT ALL BENDS AND JUNCTIONS OF SOIL AND WASTE PIPES.
- * ROOFING EYES 1.5m TO BE PROVIDED AT HEADS OF DRAINAGE AND AT A MAXIMUM OF 20m SPACED ALONG RUNS OF DRAINAGE.
- * MANHOLE COVERS TO BE PROVIDED AT GROUND LEVEL FOR ALL BELOW PAVING.
- * RESILIENT TRAPS TO BE PROVIDED TO ALL WASTE FITTINGS.
- * SOIL WITH DRAINING PASSING UNDER BUILDINGS TO BE ENCASED IN 150mm CONCRETE ALL ROUND AND BE PROVIDED WITH 1.5m AS CLOSE TO THE BUILDING AS POSSIBLE AT BOTH ENDS.
- * SOIL WITH PIPES HAVING A VERTICAL DROP EXCEEDING 150mm TO THE MAIN DRAIN TO BE ANTI-VIBROKED.
- * ALL BRASS DRAINAGE EXCEEDING 150mm TO BE VENTED.
- * UPVC PIPES ARE TO BE LAD IN ACCORDANCE WITH THE MANUFACTURERS TECHNICAL SPECIFICATIONS.

FIRE DEPARTMENT'S REQUIREMENTS

- * ALL WORK IS TO COMPLY WITH SABS 406.
- * FIRE EXTINGUISHERS TO BE INSTALLED IN ACCORDANCE WITH SABS 5010.
- * FIRE HOSES TO BE INSTALLED IN ACCORDANCE WITH SABS 541.
- * FIRE ALARMS TO BE INSTALLED IN ACCORDANCE WITH SABS 110 PART 1.
- * PORTABLE FIRE EXTINGUISHERS TO BE PLACED ON PURPOSE MADE STANDS AND LOCATED IN SECURE POSITIONS AS INDICATED ON PLAN.
- * DOORS TO BE FITTED TO COMPLY WITH SABS 504 AND TO BE FITTED WITH APPROVED SELF CLOSING OR AUTOMATIC CLOSING DEVICES.
- * STRUCTURAL BUILDINGS AND COMPONENTS TO COMPLY WITH SET.
- * FIRE EXIT DOORS ARE TO BE FITTED WITH EMERGENCY EXIT LOCKSETS.
- * SYMBOL SAFETY SIGNS TO BE IN ACCORDANCE WITH SABS CODE 1158 AND POSITIONED AS REQUIRED BY THE FIRE DEPARTMENT.

2

Rev.	Description	Revision Date
1	ISSUED: BOUNDARY FENCE LINE ADJUSTED	2024-08-02
2	ISSUED: PHASE 1 UPDATED	2024-08-10
3	ISSUED: FOR COMMENT	2024-08-16
4	ISSUED: UPDATED	2024-08-15
5	ISSUED: FOR REVIEW	2024-08-14
6	ISSUED: FOR COMMENT	2024-08-20
7	FOR REVIEW	2024-04-10
8	FOR REVIEW	2024-04-03
9	FOR REVIEW	2024-04-03



UNIT 16 First Floor
BOERPLAN BUSINESS PARK
BOERPLAN
OFF K&A & BOER PLAN
2158

CAPEX PROJECTS Tel: 011 702 4209 9160

CLIENT

CAPE WINELANDS AERO

Client: _____ Registration No: Designer: _____

Engineer: _____ SACAP No: _____

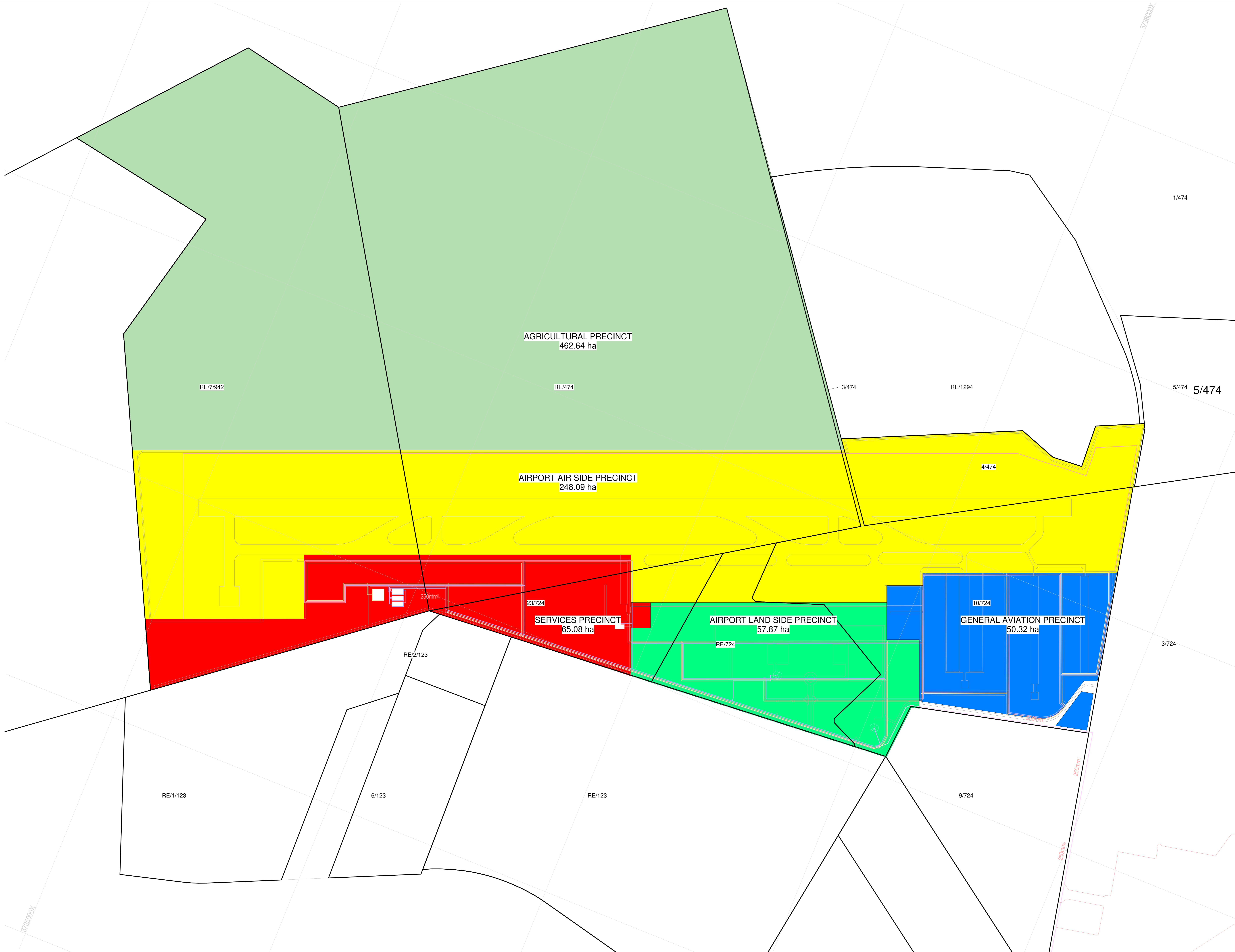
CLIENT: ENVIRONMENTAL CONSULTANT

TITLE: PHASE 1

DRAWING: CWA - PRECINCT PLANS

REV	DATE	BY	CHK	APP
AD	2024-02-27	408		9

SCALE: 1:5000 DATE: 2024-08-16 DRAWING NO: CWA-0004



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GENERAL NOTES

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- * REINFORCED CONCRETE AND STRUCTURAL STEELWORK IS TO BE IN ACCORDANCE WITH THE STRUCTURAL ENGINEERS DESIGN AND SPECIFICATIONS.

DRAINAGE NOTES

- * ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
- * V.P.I. TO BE COVERED UP TO 200mm ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 5m.
- * INSPECTOR EYES 100mm TO BE PROVIDED AT ALL RUNS AND JUNCTIONS OF SOIL AND WASTE PIPES.
- * 100mm EYES 100mm TO BE PROVIDED AT HEADS OF DRAINS AND AT A MAXIMUM OF 20m SPACINGS ALONG RUNS OF DRAINS.
- * MARKED COVERS TO BE PROVIDED AT GRADE LEVEL 100mm BELOW FINING.
- * REGULAR TRAPS TO BE PROVIDED TO ALL WASTE FITTINGS.
- * SOIL WITNESS DRAINS UNDER BUILDINGS TO BE ENCASED IN 150mm CONCRETE ALL ROUND AND BE PROVIDED WITH 100mm AS CLOSE TO THE BUILDING AS POSSIBLE AT BOTH ENDS.
- * SOIL WITNESS PIPES HAVING A VERTICAL DROP EXCEEDING 1500mm TO THE MAIN DRAIN TO BE AIR-VENTED.
- * ALL BRASS WARE EXCEEDING 50mm IN LENGTH TO BE VENTED.
- * UPVIC PIPES ARE TO BE LAD IN ACCORDANCE WITH THE MANUFACTURERS TECHNICAL SPECIFICATIONS.

FIRE DEPARTMENT'S REQUIREMENTS

- * ALL WORK IS TO COMPLY WITH SABS 406.
- * FIRE EXTINGUISHERS TO BE INSTALLED IN ACCORDANCE WITH SABS 5105.
- * FIRE HOSE REELS TO BE INSTALLED IN ACCORDANCE WITH SABS 543.
- * FIRE EXTINGUISHERS TO BE INSTALLED IN ACCORDANCE WITH SABS 1100 PART 1.
- * PORTABLE FIRE EXTINGUISHERS TO BE PLACED ON PURPOSE MADE STANDS AND LOCATED IN SECURE POSITIONS AS INDICATED ON PLAN.
- * CLASS B FIRE COVERS TO COMPLY WITH SABS 550 AND TO BE FITTED WITH APPROVED SELF CLOSING OR AUTOMATIC CLOSING DEVICES.
- * STRUCTURAL BUILDINGS AND COMPONENTS TO COMPLY WITH SABS 1100.
- * FIRE EXIT DOORS ARE TO BE FITTED WITH EMERGENCY EXIT LOCKSETS.
- * SYMBOL SAFETY SIGNS TO BE IN ACCORDANCE WITH SABS CODE 1156 AND POSITIONED AS REQUIRED BY THE FIRE DEPARTMENT.

Rev	Description	Revision Date
3	AMENDMENT TO AGRICULTURAL PRECINCT AREA	2025-03-14
2	IN ACCORD TO AREA	2025-03-14
1	PHASE 2 KEY PLAN CREATED	2025-03-13

3

UNIT 16 First Floor BOSPLIN BUSINESS PARK BOSPLIN off Kals & Boshart Street 2158 CAPEX PROJECTS Tel: 011 702 4559 P160	
CLIENT	
Client	
Engineer	Registration No. Designer
	SACAP No.
CLIENT	ENVIRONMENTAL CONSULTANT
TITLE	PHASE 2 KEY PLAN
DRAWING	CWA - PRECINCT PLANS
SIZE	DWG NO. 2024-3297 405 REV 3
SCALE	DATE: 2024-03-14 DRAWN BY: CWA/DAW

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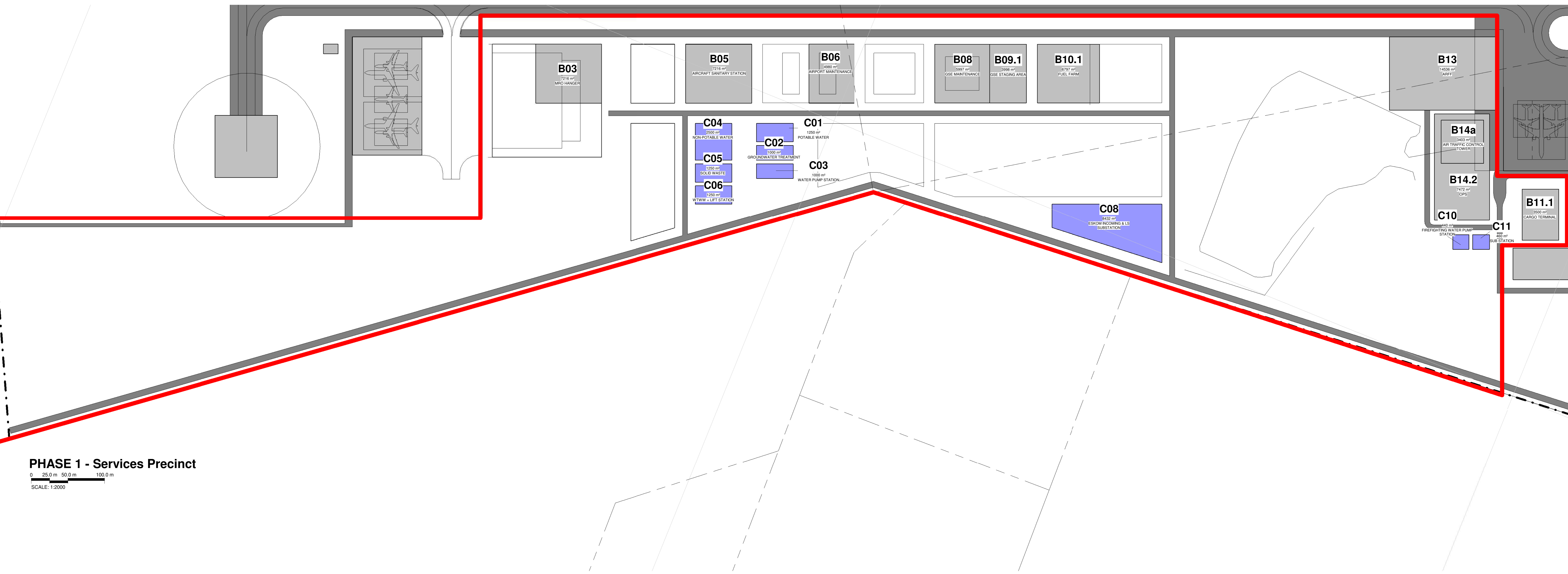
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DRAINAGE NOTES

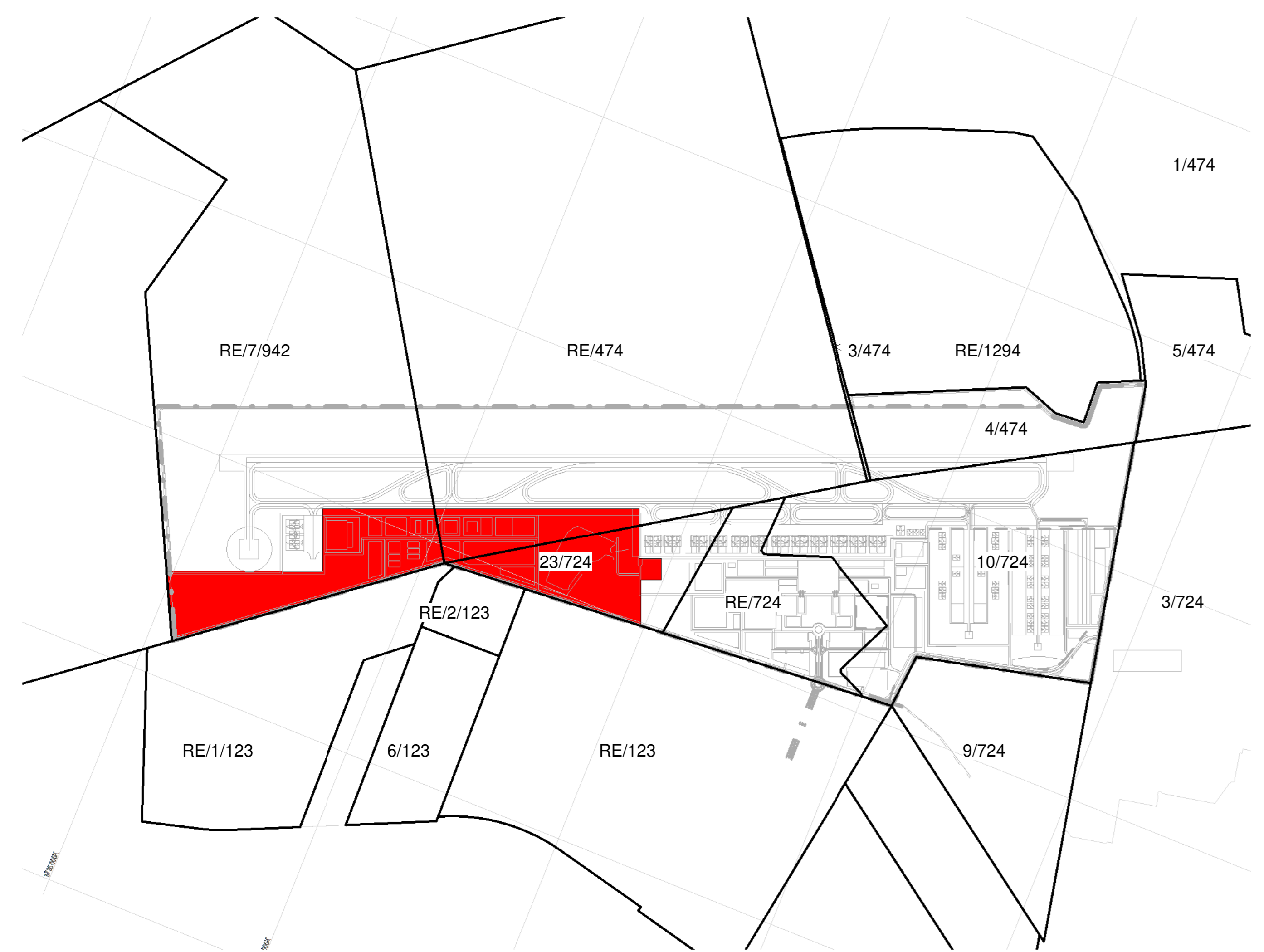
- * ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
- * V.P.S. TO BE CHECKED TO BE ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 5m.
- * INSPECTOR'S EYES & IN. TO BE PROVIDED AT ALL RUNS AND JUNCTIONS OF SOIL AND WASTE PIPES.
- * ROOFING EYES & IN. TO BE PROVIDED AT HEADS OF DRAINS AND AT A MAXIMUM OF 2m SPACED ALONG RUNS OF DRAINS.
- * MANHOLE COVERS TO BE PROVIDED AT GRADE LEVEL FOR ALL BELOW FINING.
- * REGULAR TRAPS TO BE PROVIDED TO ALL WASTE FITTINGS.
- * SOIL INTO DRAINING PIPING UNDER BUILDING TO BE ENCASED BY 150mm CONCRETE ALL ROUND AND BE PROVIDED WITH $1:4$ AS CLOSE TO THE BUILDING AS POSSIBLE AT BOTH ENDS.
- * SOIL WASTE PIPES HAVING A VERTICAL DROP EXCEEDING 150mm TO THE MAIN DRAIN TO BE AIR-VENTED.
- * ALL BRASS DRAIN EXCEEDING 50mm LENGTH TO BE VENTED.
- * UPVC PIPES ARE TO BE LAID IN ACCORDANCE WITH THE MANUFACTURERS TECHNICAL SPECIFICATIONS.

FIRE DEPARTMENT'S REQUIREMENTS

- * ALL WORK IS TO COMPLY WITH SABS 406.
- * ALL EXTINGUISHERS TO BE RETALLED IN ACCORDANCE WITH SABS 5105.
- * FIRE RISER HELLS TO BE RETALLED IN ACCORDANCE WITH SABS 543.
- * HYDRANTS TO BE INSTALLED IN ACCORDANCE WITH SABS 108 PART 1.
- * CLASS B FIRE EXTINGUISHERS TO BE HUNG ON PURPOSE MADE BRACKETS AND LOCATED IN SECURE POSITIONS AS INDICATED ON PLAN.
- * APPROVED SELF CLOSING OR AUTOMATIC CLOSING DEVICES.
- * STRUCTURAL BUILDINGS AND COMPONENTS TO COMPLY WITH SABS 108 PART 1.
- * FIRE EXIT DOORS ARE TO BE FITTED WITH EMERGENCY EXIT LOCKSETS.
- * SYMBOL SAFETY SIGNS TO BE IN ACCORDANCE WITH SABS CODE 1156 AND POSITIONED AS REQUIRED BY THE FIRE DEPARTMENT.



PHASE 1 - Services Precinct
 0 25.0 m 50.0 m 100.0 m
 SCALE: 1:2000



Key Plan - PHASE 1 Services Precinct
 0 187.5 m 375.0 m 750.0 m
 SCALE: 1:15000

64.49 ha

PHASE 1 - SERVICES		
Name	Occupancy	Area
B03	MRO HANGER	7216 m ²
B05	AIRCRAFT SANITARY STATION	7216 m ²
B06	AIRPORT MAINTENANCE	4980 m ²
B07	CATERING BUILDING	Not Placed
B08	GSE MAINTENANCE	5997 m ²
B09.1	GSE STAGING AREA	3998 m ²
B10.1	FUEL FARM	6797 m ²
B10.2	FUEL FARM	Not Placed
B11.1	CARGO TERMINAL	3500 m ²
B13	ARFF	14536 m ²
B14.2	OPS	7472 m ²
B14a	AIR TRAFFIC CONTROL TOWER	3403 m ²
B24.1	SUB STATION	260 m ²

PHASE 1 - SERVICES		
Name	Occupancy	Area
C01	POTABLE WATER	1250 m ²
C02	GROUNDWATER TREATMENT	1000 m ²
C03	WATER PUMP STATION	1000 m ²
C04	NON-POTABLE WATER	2500 m ²
C05	SOLID WASTE	1250 m ²
C06	WTWW + LIFT STATION	1250 m ²
C08	ESKOM INCOMING & LS SUBSTATION	8432 m ²
C10	FIREFIGHTING WATER PUMP STATION	440 m ²
C11	SUB STATION	460 m ²
E04.14	AIRPORT USE	Not Placed
E04.15	AIRPORT USE	Not Placed

- MRO Maintenance Repairs and Operations
- FBO Fixed Based Operators
- GA General Aviation
- GSE Ground Support Equipment
- ARFF Aircraft Rescue and Firefighting
- FATO Final Approach and Take-off (Helipad)
- WTWW/WTWP Wastewater Treatment Plant / Works
- RDTS Remote Digital Control Tower System
- PAPI Precision Approach Path Indicator

UNIT 16 First Floor
 BOERPLAN BUSINESS PARK
 BOERPLAN
 off Kalk & Boshart Street
 2158
CAPEX PROJECTS Tel: 011 702 4559 9160

CLIENT: ENVIRONMENTAL CONSULTANT

TITLE: PHASE 1 SERVICES PRECINCT

DRAWING: CWA - PRECINCT PLANS

SIZE: A0	DWG NO: 2024-3297_410	REV: 9
SCALE: As Shown	DATE: 2024-09-18	ISSUED BY: CDR/DAW

GENERAL NOTES

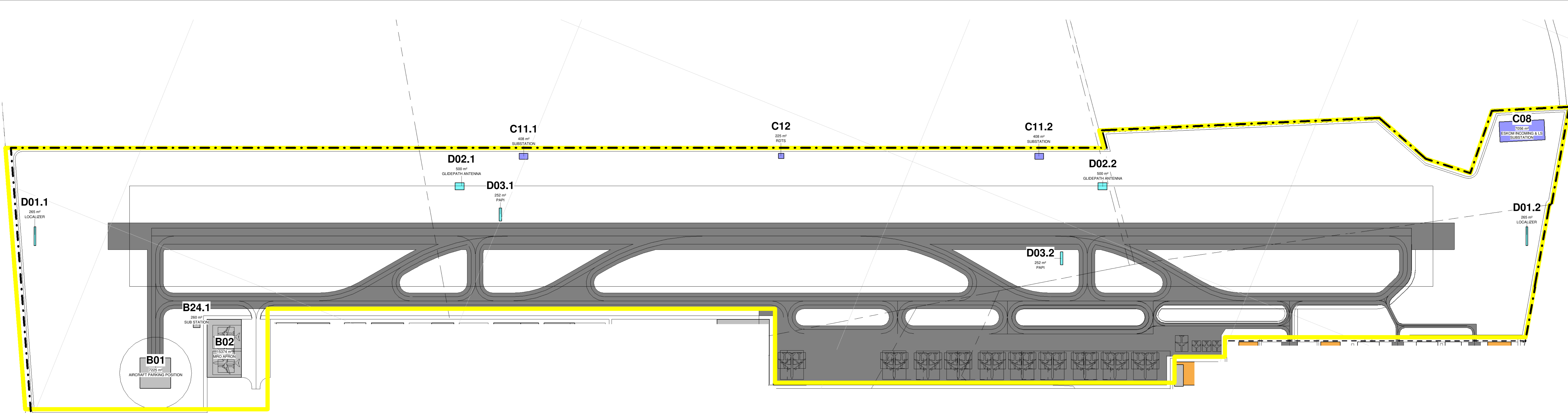
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- * REINFORCED CONCRETE AND STRUCTURAL STEEL WORK IS TO BE IN ACCORDANCE WITH THE STRUCTURAL ENGINEERS DESIGN AND SPECIFICATIONS.

DRAINAGE NOTES

- * ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
- * P.V.P. TO BE CHECKED UP TO 20mm ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITH A DISTANCE OF 6m.
- * INSPECTION EYES 6m x 6m TO BE PROVIDED AT ALL RUNS AND JUNCTIONS OF SOIL AND WASTE PIPES.
- * FLOOR FINISH (s.s.) TO BE PROVIDED AT HEADS OF DRAINS AND AT A MAXIMUM OF 20mm SPACED ALONG RUNS OF DRAINS.
- * MANHOLE COVERS TO BE PROVIDED AT GRADE LEVEL FOR ALL BELOW FINISH.
- * REGULAR TRAPS TO BE PROVIDED TO ALL WASTE FITTINGS.
- * SOIL WASTE DRAINS PASSING UNDER BUILDINGS TO BE ENCASED IN 150mm CONCRETE ALL ROUND AND BE PROVIDED WITH (s.s.) AS CLOSE TO THE BUILDING AS POSSIBLE AT BOTH ENDS.
- * SOIL WASTE PIPES HAVING A VERTICAL DROP EXCEEDING 1500mm TO THE MAIN DRAIN TO BE AIR VENTED.
- * ALL BRASS DRAINS EXCEEDING 6m LENGTH TO BE VENTED.
- * UPVIC PIPES ARE TO BE LAID IN ACCORDANCE WITH THE MANUFACTURERS TECHNICAL SPECIFICATIONS.

FIRE DEPARTMENT'S REQUIREMENTS

- * ALL WORK IS TO COMPLY WITH SABS 402.
- * FIRE EXTINGUISHERS TO BE INSTALLED IN ACCORDANCE WITH SABS 5102.
- * FIRE RISERS TO BE INSTALLED IN ACCORDANCE WITH SABS 541.
- * HYDRANTS TO BE INSTALLED IN ACCORDANCE WITH SABS 110 PART 1.
- * PORTABLE FIRE EXTINGUISHERS TO BE HUNG ON PURPOSE MADE BRACKETS AND LOCATED IN SECURE POSITIONS AS INDICATED ON PLAN.
- * CLASS B FIRE COVERS TO COMPLY WITH SABS 550 AND TO BE FITTED WITH APPROVED SELF CLOSING OR AUTOMATIC CLOSING DEVICES.
- * STRUCTURAL BUILDINGS AND COMPONENTS TO COMPLY WITH TTT.
- * FIRE EXIT DOORS ARE TO BE FITTED WITH EMERGENCY EXIT LOCKSETS.
- * SYMBOL SAFETY SIGNS TO BE IN ACCORDANCE WITH SABS 505. CODE 106 AND POSITIONED AS REQUIRED BY THE FIRE DEPARTMENT.



PHASE 1 - Airport Air Side Precinct

0 512.5 m 1025.0 m 2050.0 m
SCALE: 1:41000

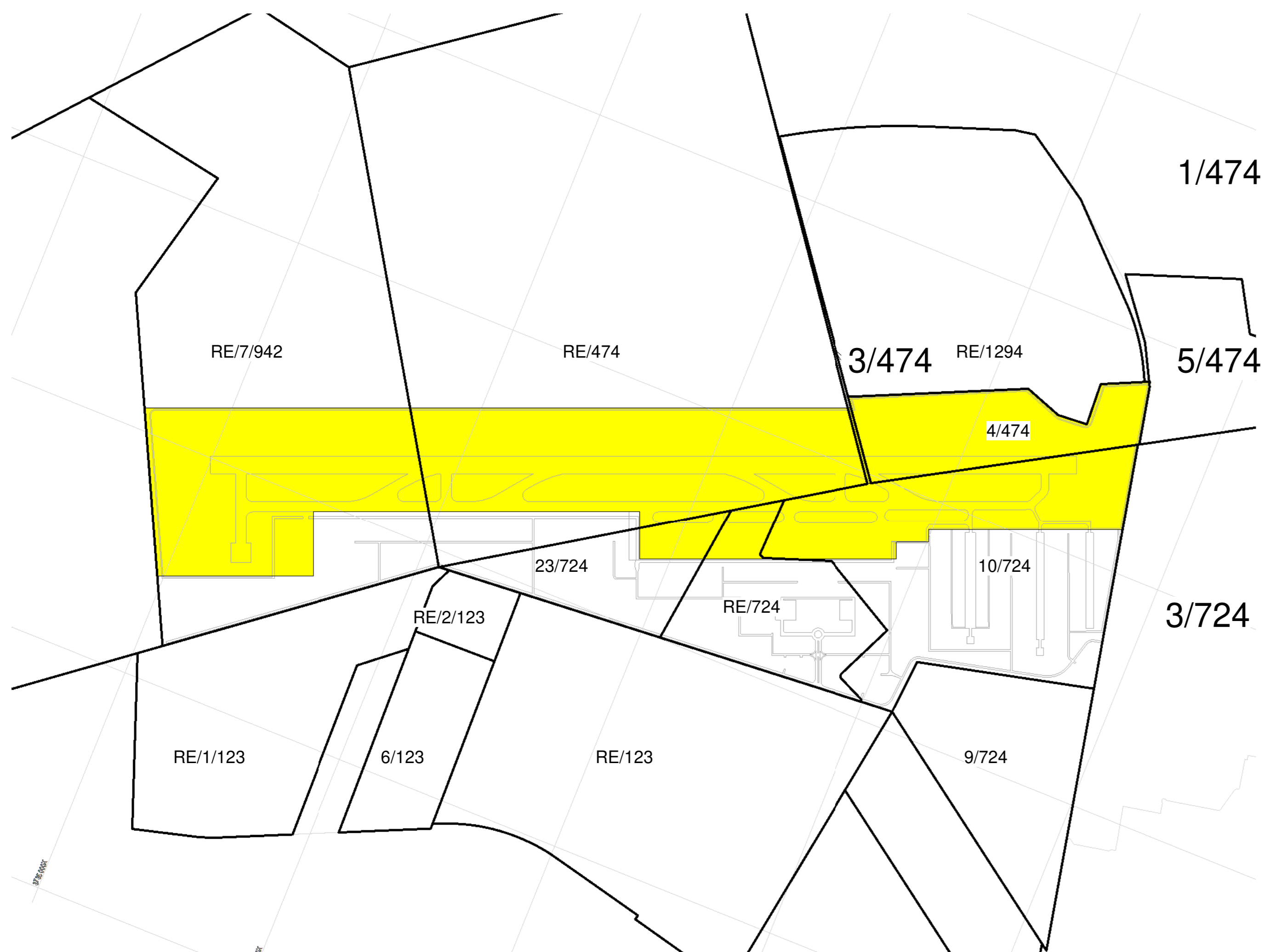
248.41 ha

PHASE 1 - AIR SIDE		
Name	Occupancy	Area
B01	AIRCRAFT PARKING POSITION	7225 m²
B02	MRO APRON	15374 m²
B12	CARGO APRON	Not Placed

PHASE 1 - AIR SIDE		
Name	Occupancy	Area
C08	ESKOM INCOMING & LS SUBSTATION	7056 m²
C11.1	SUBSTATION	408 m²
C11.2	SUBSTATION	408 m²
C12	RDTS	225 m²

PHASE 1 - AIR SIDE		
Name	Occupancy	Area
D01.1	LOCALIZER	265 m²
D01.2	LOCALIZER	265 m²
D02.1	GLIDEPATH ANTENNA	500 m²
D02.2	GLIDEPATH ANTENNA	500 m²
D03.1	PAPI	252 m²
D03.2	PAPI	252 m²

MRO Maintenance Repairs and Operations
 FBO Fixed Based Operators
 GA General Aviation
 GSE Ground Support Equipment
 ARFF Aircraft Rescue and Firefighting
 FATO Final Approach and Take-off (Helipad)
 WTPW/WTWW Wastewater Treatment Plant / Works
 RDTS Remote Digital Control Tower System
 PAPI Precision Approach Path Indicator



Key Plan - PHASE 1 Airport Air Side Precinct

0 187.5 m 375.0 m 750.0 m
SCALE: 1:15000

Rev	Description	Revision Date
10	ISSUED: BOUNDARY FENCE LINE ADJUSTED	2024-08-02
9	ISSUED: PHASE 1 UPDATED	2024-06-10
8	ISSUED FOR COMMENT	2024-06-10
7	ISSUED FOR COMMENT	2024-06-10
6	PACKETS UPDATED	2024-06-10
5	ISSUED FOR REVIEW	2024-06-14
4	FOR REVIEW	2024-06-24
3	FOR REVIEW	2024-04-10
2	FOR REVIEW	2024-04-02
1	FOR REVIEW	2024-04-02



Client: _____
 Engineer: _____ Registration No. Designer: _____
 SACAP NO.: _____

CLIENT: ENVIRONMENTAL CONSULTANT
 TITLE: PHASE 1 AIRPORT AIR SIDE PRECINCT
 DRAWING: CWA - PRECINCT PLANS

REV	DATE	BY	CHK	APP
01	2024-03-27	412		9

SCALE: As Shown DATE: 2024-08-02 DRAWN BY: CWA/DAK

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GENERAL NOTES

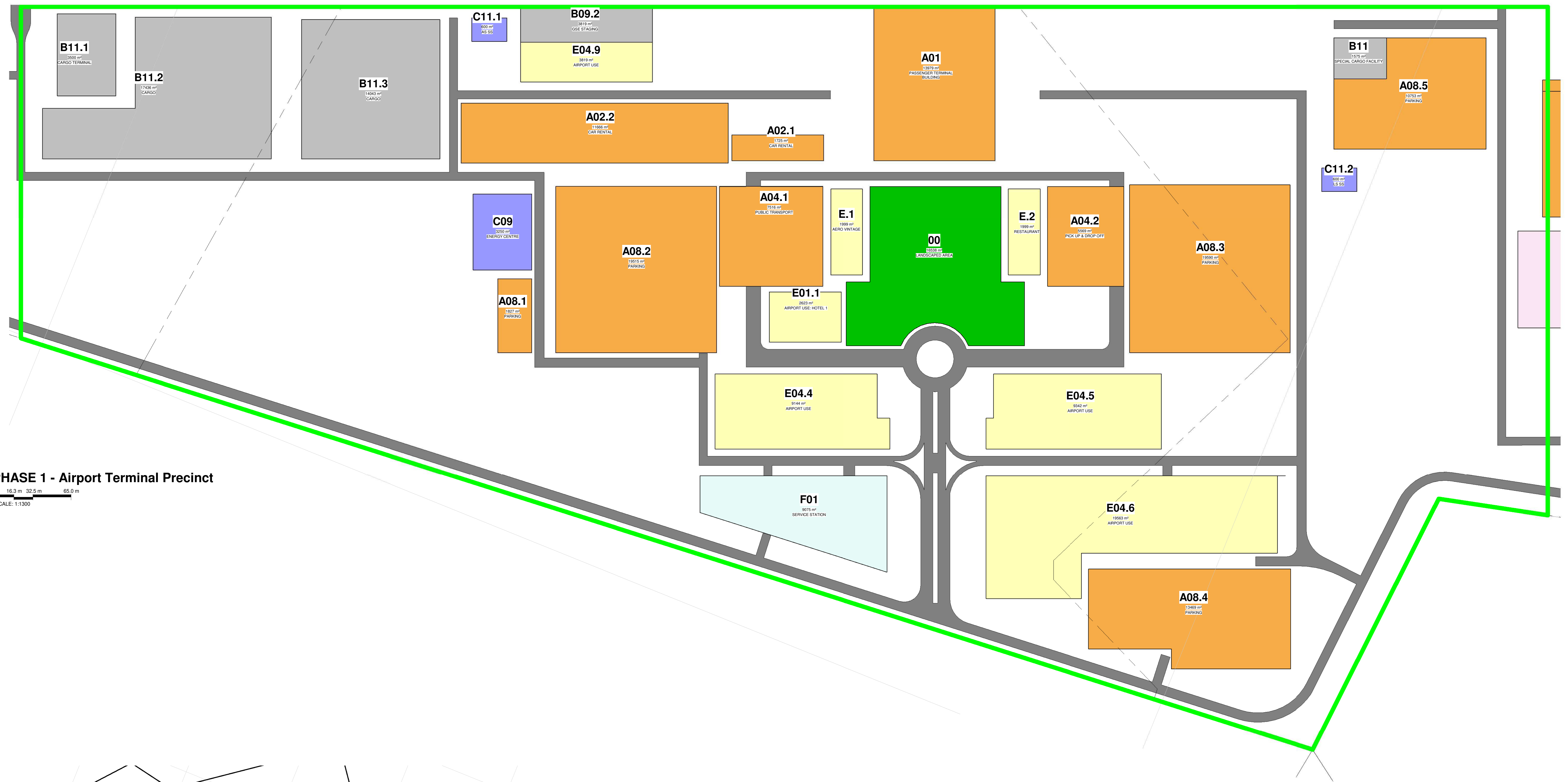
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DRAINAGE NOTES

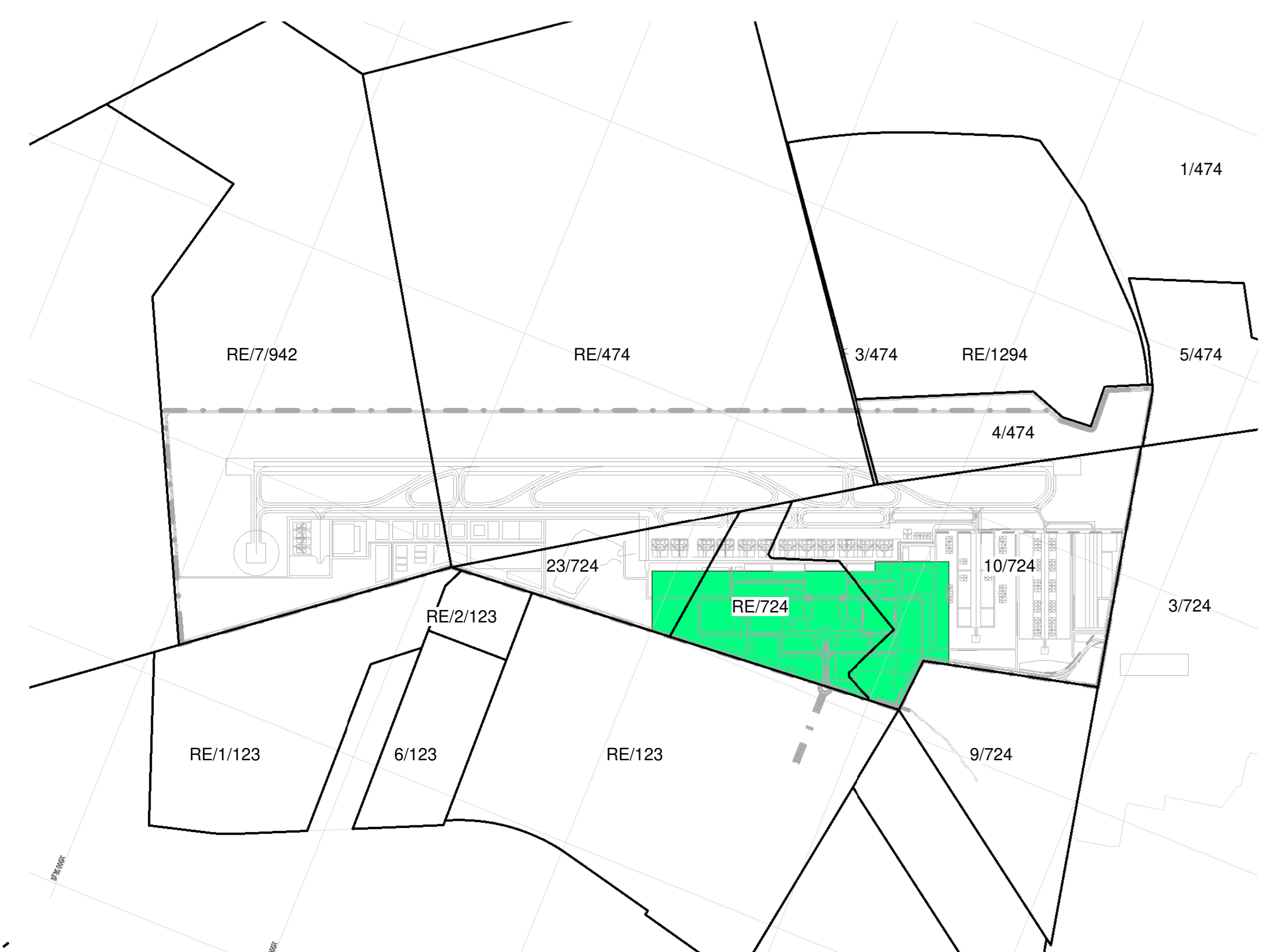
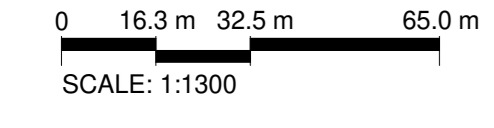
- * ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
- * P.P. TO BE CHECKED UP TO 200mm ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 5m.
- * INSPECTOR'S EYES & N. TO BE PROVIDED AT ALL BENDS AND JUNCTIONS OF SOIL AND WASTE PIPES.
- * ROOF DRAINAGE IS TO BE PROVIDED AT HEADS OF DRAINS AND AT A MINIMUM OF 20m SPACING ALONG RUNS OF DRAINS.
- * MANHOLE COVERS TO BE PROVIDED AT GRADE LEVEL FOR ALL BELOW GRADE PIPING.
- * REGULAR TRAPS TO BE PROVIDED TO ALL WASTE FITTINGS.
- * SOIL WITHOUSING PASSING UNDER BUILDINGS TO BE ENCASED IN 150mm CONCRETE ALL ROUND AND BE PROVIDED WITH 14# AS CLOSE TO THE BUILDING AS POSSIBLE AT BOTH ENDS.
- * SOIL WASTE PIPES HAVING A VERTICAL DROP EXCEEDING 1500mm TO THE MAIN DRAIN TO BE ANTI-VIBRATED.
- * ALL BRASS DRAINS EXCEEDING 50mm IN LENGTH TO BE VENTED.
- * UPVIC PIPES ARE TO BE LAID IN ACCORDANCE WITH THE MANUFACTURERS TECHNICAL SPECIFICATIONS.

FIRE DEPARTMENT'S REQUIREMENTS

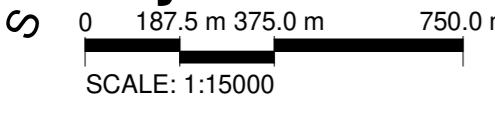
- * ALL WORK IS TO COMPLY WITH SABS 402.
- * ALL EXTINGUISHERS TO BE RETALLED IN ACCORDANCE WITH SABS 5102.
- * FIRE RISERS TO BE RETALLED IN ACCORDANCE WITH SABS 541.
- * FIRE ALARMS TO BE INSTALLED IN ACCORDANCE WITH SABS 110 PART 1.
- * PORTABLE FIRE EXTINGUISHERS TO BE PLACED ON PURPOSE MADE STANDS AND LOCATED IN SECURE POSITIONS AS INDICATED ON PLAN.
- * CLASS B FIRE CODES TO COMPLY WITH SABS 504 AND TO BE FITTED WITH APPROVED SELF CLOSING OR AUTOMATIC CLOSING DEVICES.
- * STRUCTURAL BUILDINGS AND COMPONENTS TO COMPLY WITH SABS 110 PART 1.
- * FIRE EXIT DOORS ARE TO BE FITTED WITH EMERGENCY EXIT LOCKSETS.
- * SYMBOLS SAFETY SIGNS TO BE IN ACCORDANCE WITH SABS 505. CODE 158 AND POSITIONED AS REQUIRED BY THE FIRE DEPARTMENT.



PHASE 1 - Airport Terminal Precinct



Key Plan - PHASE 1 Airport Terminal Precinct



56.54 ha

PHASE 1 - TERMINAL PRECINCT		
Name	Occupancy	Area
00	LANDSCAPED AREA	16538 m ²
A01	PASSENGER TERMINAL BUILDING	13979 m ²
A02.1	CAR RENTAL	1725 m ²
A02.2	CAR RENTAL	11666 m ²
A04.1	PUBLIC TRANSPORT	7516 m ²
A04.2	PICK UP & DROP OFF	5569 m ²
A08.1	PARKING	1827 m ²
A08.2	PARKING	19515 m ²
A08.3	PARKING	19590 m ²
A08.4	PARKING	13469 m ²

PHASE 1 - TERMINAL PRECINCT		
Name	Occupancy	Area
C11.2	LS SS	600 m ²
E01.1	AIRPORT USE: HOTEL 1	2623 m ²
E04.4	AIRPORT USE	9144 m ²
E04.5	AIRPORT USE	9342 m ²
E04.6	AIRPORT USE	19563 m ²
E04.9	AIRPORT USE	3819 m ²
E.1	AERO VINTAGE	1999 m ²
E.2	RESTAURANT	1999 m ²
F01	SERVICE STATION	9075 m ²

PHASE 1 - TERMINAL PRECINCT		
Name	Occupancy	Area
B09.2	GSE STAGING	3819 m ²
B11.2	CARGO	17436 m ²
B11.3	CARGO	14043 m ²
C09	ENERGY CENTRE	3250 m ²
C11.1	AS SS	600 m ²

- MRO Maintenance Repairs and Operations
- FBO Fixed Based Operators
- GA General Aviation
- GSE Ground Support Equipment
- ARFF Aircraft Rescue and Firefighting
- FATO Final Approach and Take-off (Helipad)
- WTWP/WTWW Wastewater Treatment Plant / Works
- RDTS Remote Digital Control Tower System
- PAPI Precision Approach Path Indicator

6

Rev	Description	Revision Date
1	ISSUED - BOUNDARY FENCE LINE ADJUSTED	2024-08-02
2	ISSUED - PHASE 1 UPDATED	2024-08-15
3	ISSUED FOR COMMENT	2024-08-15
4	PACKS UPDATED	2024-08-15
5	ISSUED FOR REVIEW	2024-08-14
6	FOR REVIEW	2024-08-28
7	FOR REVIEW	2024-04-10
8	FOR REVIEW	2024-04-02
9	FOR REVIEW	2024-04-02



CLIENT: _____

ENGINEER: _____ REGISTRATION NO.: _____

CLIENT: ENVIRONMENTAL CONSULTANT

TITLE: PHASE 1 TERMINAL PRECINCT

DRAWING: CWA - PRECINCT PLANS

SIZE	DWG NO.	DATE	REV.
A0	2024-3297_409	2024-08-15	9

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GENERAL NOTES

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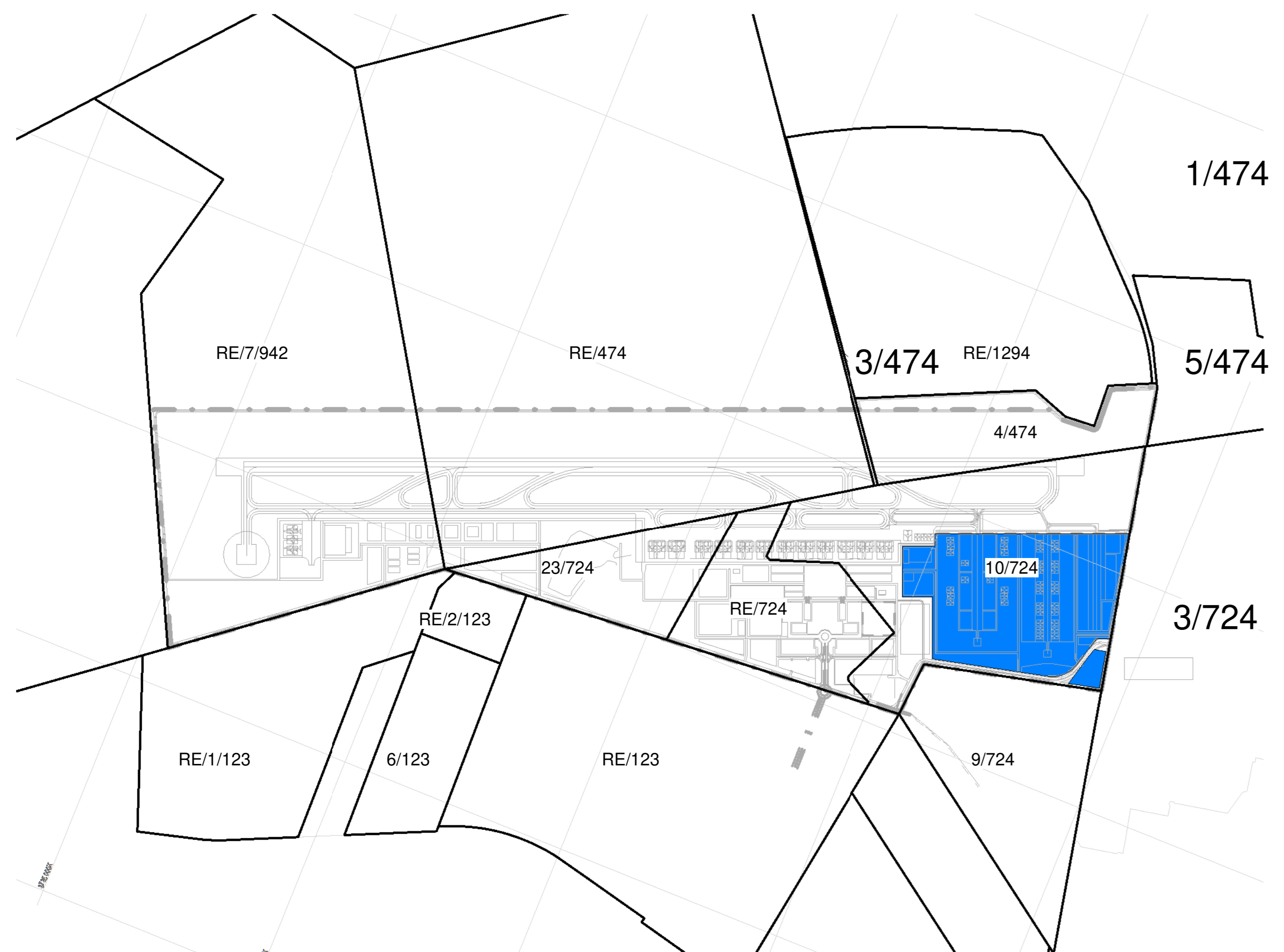
DRAINAGE NOTES

- * ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
- * V.P.S. TO BE CARRIED TO: (a) ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 6m.
- * INSPECTION EYES (a/c) TO BE PROVIDED AT ALL BENDS AND JUNCTIONS OF SOIL AND WASTE PIPES.
- * ROOF DRAINAGE (a/c) TO BE PROVIDED AT HEADS OF DRAINS AND AT A MAXIMUM OF 20m SPACINGS ALONG RUNS OF DRAINS.
- * MANHOLE COVERS TO BE PROVIDED AT GRADE LEVEL FOR ALL DRAINING.
- * REGULAR DRAINS TO BE PROVIDED FOR ALL WASTE FITTINGS.
- * SOIL INTENDING PASSING UNDER BUILDINGS TO BE ENCASED IN 150mm CONCRETE ALL ROUND AND BE PROVIDED WITH (a/c) AS CLOSE TO THE BUILDING AS POSSIBLE AT BOTH ENDS.
- * SOIL WATER PIPES HAVING A VERTICAL DROP EXCEEDING 1500mm TO THE MAIN DRAIN TO BE ANTI-SIPHONED.
- * ALL BRASS DRAINAGE EXCEEDING 6m IN LENGTH TO BE VENTED.
- * UPVIC PIPES ARE TO BE LAID IN ACCORDANCE WITH THE MANUFACTURERS TECHNICAL SPECIFICATIONS.

FIRE DEPARTMENT'S REQUIREMENTS

- * ALL WORK IS TO COMPLY WITH SABS 406.
- * ALL EXTINGUISHERS TO BE RECALLED IN ACCORDANCE WITH SABS 510.
- * FIRE HOSES TO BE INSTALLED IN ACCORDANCE WITH SABS 541.
- * FIRE ALARMS TO BE INSTALLED IN ACCORDANCE WITH SABS 104 PART 1.
- * PORTABLE FIRE EXTINGUISHERS TO BE HUNG ON PURPOSE MADE BRACKETS AND LOCATED IN SECURE POSITIONS AS INDICATED ON PLAN.
- * DOORS TO BE FITTED WITH SELF-CLOSING OR AUTOMATIC CLOSING DEVICES.
- * STRUCTURAL BUILDINGS AND COMPONENTS TO COMPLY WITH SET 7.
- * FIRE EXIT DOORS ARE TO BE FITTED WITH EMERGENCY EXIT LOCKSETS.
- * SYMBOLS SAFETY SIGNS TO BE IN ACCORDANCE WITH SABS CODE 158 AND POSITIONED AS REQUIRED BY THE FIRE DEPARTMENT.

PHASE 1 - General Aviation Precinct



PHASE 1 - GENERAL AVIATION		
Name	Occupancy	Area
A03	GA/VIP/GOVERNMENT TERMINAL	6419 m ²
A08.5	PARKING	10753 m ²
A08.6	PARKING	2987 m ²
A10.1A	FBO 1	5787 m ²
A10.1B	FBO 1	1230 m ²
A10.2A	FBO 2	5787 m ²
A10.2B	FBO 2	1230 m ²
A10.3A	FBO 4	5787 m ²
A10.3B	FBO 4	1230 m ²
A10.4A	FBO 3	5798 m ²
A10.4B	FBO 3	1220 m ²
A11.1	GA HANGERS	3200 m ²
A11.2	GA HANGERS	3200 m ²
A11.3	GA HANGERS	3200 m ²
A11.4	GA HANGERS	3200 m ²
A11.5	GA HANGERS	3200 m ²
A11.6	GA HANGERS	3200 m ²
A11.7	GA HANGERS	3200 m ²
A11.8	GA HANGERS	3200 m ²
A11.9	GA HANGERS	3200 m ²
A11.10	GA HANGERS	3200 m ²
A11.11	GA HANGERS	4678 m ²
A11.12	GA HANGERS	4971 m ²
A11.13	GA HANGERS	8512 m ²
A16	GA CLUBHOUSE & FUELING	5204 m ²

49.10 ha

PHASE 1 - GENERAL AVIATION

Name	Occupancy	Area
B11	SPECIAL CARGO FACILITY	1575 m ²
B14.1	OPS	1500 m ²
B17.1	ACCESS CONTROL	102 m ²
B17.2	ACCESS CONTROL	100 m ²
B17.3	ACCESS CONTROL	100 m ²

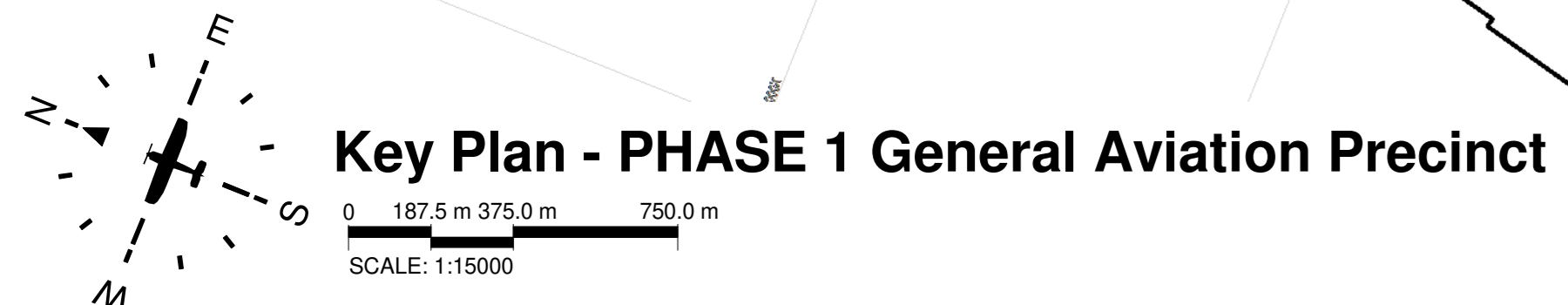
PHASE 1 - GENERAL AVIATION

Name	Occupancy	Area
E04.12	AIRPORT USE	6315 m ²
E04.13	AIRPORT USE	4636 m ²

PHASE 1 - GENERAL AVIATION

Name	Occupancy	Area
PH.1	HELIPORT	6220 m ²
PH.2	HELIPORT	6220 m ²
PH.3	HELIPORT	992 m ²
PH.4	HELIPORT	992 m ²
PH.5	HELIPORT	8938 m ²

- MRO Maintenance Repairs and Operations
- FBO Fixed Based Operators
- GA General Aviation
- GSE Ground Support Equipment
- ARFF Aircraft Rescue and Firefighting
- FATO Final Approach and Take-off (Helipad)
- WTWP/WTWW Wastewater Treatment Plant / Works
- RDTS Remote Digital Control Tower System
- PAPI Precision Approach Path Indicator



UNIT 16 First Floor
BOERJAN BUSINESS PARK
BOERJAN
off Kals & Boshuis street
2158

CAPEX PROJECTS Tel: 011 702 4559 9160

CLIENT: **CAPE WINDLANDS AERO**

Client: _____

Engineer: _____ Registration No: Designer

SAFAP NO: _____

CLIENT: **ENVIRONMENTAL CONSULTANT**

TITLE: **PHASE 1 GENERAL AVIATION PRECINCT**

DRAWING: **CWA - PRECINCT PLANS**

DATE: 2024-03-27	REV: 411	9
SCALE: As Shown	DATE: 2024-03-27	DATE: 2024-03-27



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GENERAL NOTES

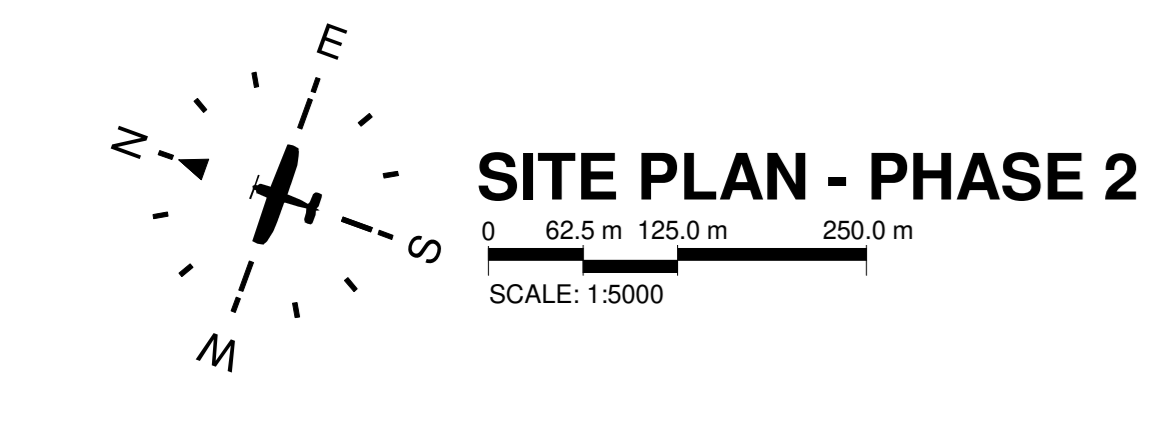
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- * REINFORCED CONCRETE AND STRUCTURAL STEEL WORK IS TO BE IN ACCORDANCE WITH THE STRUCTURAL ENGINEER'S DESIGN AND SPECIFICATIONS.

DRAINAGE NOTES

- * ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
- * PIPES TO BE ORIENTED UP TO 30 ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 5m.
- * INSPECTOR'S EYES & 10 TO BE PROVIDED AT ALL RUNS AND JUNCTIONS OF SOIL AND WASTE PIPES.
- * RUNNING LEVELS & 10 TO BE PROVIDED AT HEADS OF DRAINAGE AND AT A MAXIMUM OF 2m SPACED ALONG RUNS OF DRAINAGE.
- * MANHOLE COVERS TO BE PROVIDED AT 10m INTERVALS FOR ALL BELOW GROUND PIPING.
- * REGULAR TRAMPS TO BE PROVIDED TO ALL WASTE FITTINGS.
- * SOIL WITH DRAINING PASSING UNDER BUILDINGS TO BE ENCASED IN 150mm CONCRETE ALL ROUND AND BE PROVIDED WITH 1:4 AS CLOSE TO THE BUILDING AS POSSIBLE AT BOTH ENDS.
- * SOIL WASTE PIPES HAVING A VERTICAL DROP EXCEEDING 1500mm TO THE MAIN DRAIN TO BE ANTI-VIBRATED.
- * ALL BRANCH DRAINAGE EXCEEDING 50m LENGTH TO BE VENTED.
- * PVC PIPES ARE TO BE LAD IN ACCORDANCE WITH THE MANUFACTURER'S TECHNICAL SPECIFICATIONS.

FIRE DEPARTMENT'S REQUIREMENTS

- * ALL WORK IS TO COMPLY WITH SABS 404.
- * ALL EXTINGUISHERS TO BE RETALLED IN ACCORDANCE WITH SABS 5105.
- * FIRE RISERS TO BE RETALLED IN ACCORDANCE WITH SABS 541.
- * FIRE ALARMS TO BE INSTALLED IN ACCORDANCE WITH SABS 101 PART 1.
- * PORTABLE FIRE EXTINGUISHERS TO BE PLACED ON PURPOSE MADE STANDS AND LOCATED IN SECURE POSITIONS AS INDICATED ON PLAN.
- * DOORS TO BE FITTED TO COMPLY WITH SABS 504 AND TO BE FITTED WITH APPROVED SELF CLOSING OR AUTOMATIC CLOSING DEVICES.
- * STRUCTURAL ELEMENTS AND COMPONENTS TO COMPLY WITH SABS 101.
- * FIRE EXIT DOORS ARE TO BE FITTED WITH EMERGENCY EXIT LOCKSETS.
- * SYMBOL SAFETY SIGNS TO BE IN ACCORDANCE WITH SABS CODE 1188 AND POSITIONED AS REQUIRED BY THE FIRE DEPARTMENT.



8

Rev	Description	Revision Date
10	Amendment to B09, Update to table names	2024-01-20
09	Rev. COCT Water Line, Fuel Line and Boundary Adjustments	2024-01-10
08	ISSUED: BOUNDARY FENCE LINE ADJUSTED	2024-08-07
07	ISSUED: PHASE 1 EXTRACTED	2024-08-01
06	ISSUED FOR REVIEW	2024-08-14
05	ISSUED TO PROFESSIONALS	2024-07-04
04	ISSUED	2024-07-04
03	ISSUED	2024-07-04
02	ISSUED	2024-07-04
01	Revised SOPS for Comment	2024-07-04
00	Revised SOPS for Comment	2024-07-04
00	Added ATCT and Helipad	2024-05-24
00	FOR REVIEW	2024-04-10
00	FOR REVIEW	2024-04-10
00	FOR REVIEW	2024-04-10
00	FOR REVIEW	2024-04-10

UNIT 16 First Floor
BOERPLAN BUSINESS PARK
BOERPLAN
off Kals & Boshart Street
2158

CAPEX PROJECTS Tel: 011 702 4509 9160

CLIENT

CAPE WINELANDS AERO

Client: _____
 Engineer: _____ Registration No: Designer: _____
 SACAP No: _____

CLIENT: ENVIRONMENTAL CONSULTANT

TITLE: PHASE 2

DRAWING: CWA - PRECINCT PLANS

SIZE	DWG NO.	DATE	REV
A0	2024-30297_400	2024-08-07	16

SCALE: 1:5000 DATE: 2024-08-07 DRAWING NO: 2024-30297_400

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GENERAL NOTES

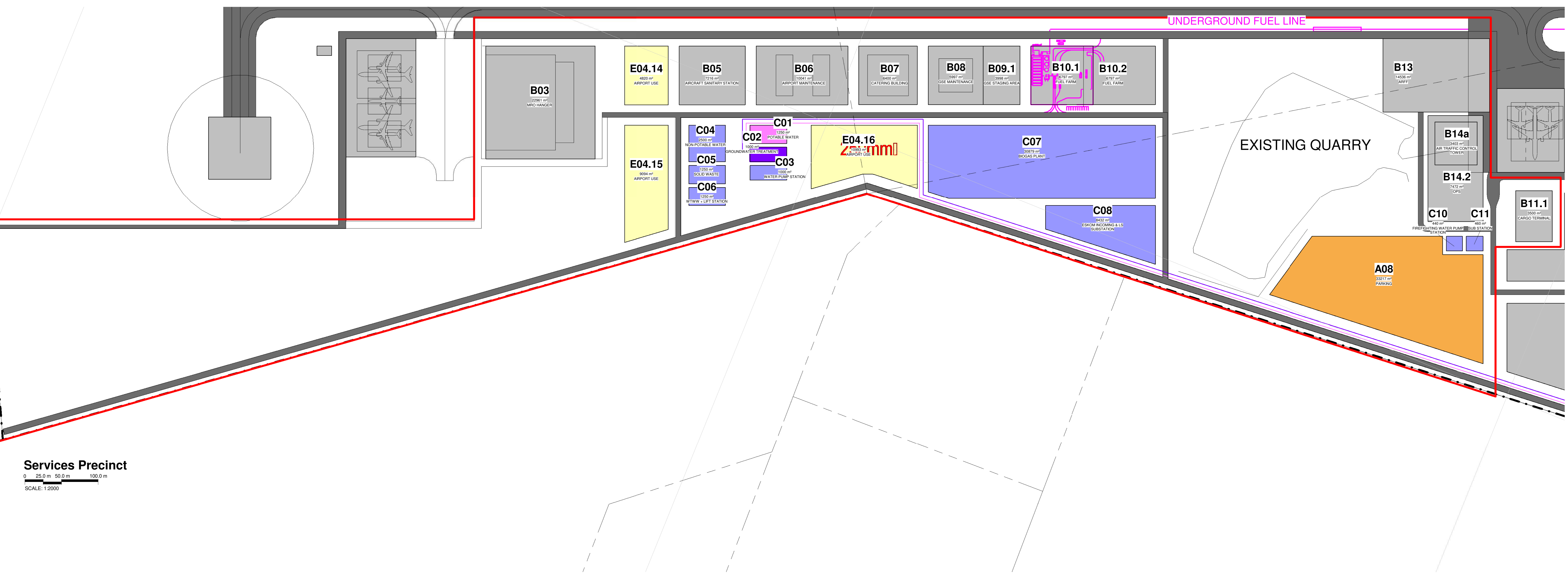
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DRAINAGE NOTES

- * ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
- * IF PIPES TO BE COVERED TO, OR ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 5m.
- * ALL DRAINAGE RUNS TO BE PROVIDED AT ALL RUNS AND JUNCTIONS OF SOIL AND WASTE PIPES.
- * DRAINAGE RUNS TO BE PROVIDED AT HEADS OF DRAINS AND AT A MAXIMUM OF 2m SPACINGS ALONG RUNS OF DRAINS.
- * MARKED COVERS TO BE PROVIDED TO ALL DRAIN LEVELS FOR ALL BELOW FINING REGULAR TRAPS TO BE PROVIDED TO ALL WASTE FITTINGS.
- * SOIL WASTE DRAINING UNDER BUILDINGS TO BE ENCASED IN 150mm CONCRETE ALL ROUND AND BE PROVIDED WITH 100mm CONCRETE AS CLOSE TO THE BUILDING AS POSSIBLE AT BOTH ENDS.
- * ALL WASTE PIPES HAVING A VERTICAL DROP EXCEEDING 1500mm TO THE MAIN DRAIN TO BE AIR-VENTED.
- * ALL DRAIN PIPES EXCEEDING 80mm LENGTH TO BE VENTED.
- * UPVC PIPES ARE TO BE LAID IN ACCORDANCE WITH THE MANUFACTURERS TECHNICAL SPECIFICATIONS.

FIRE DEPARTMENT'S REQUIREMENTS

- * ALL WORK IS TO COMPLY WITH SABS 406.
- * ALL EXTINGUISHERS TO BE RETALLED IN ACCORDANCE WITH SABS 5105.
- * FIRE RISERS TO BE RETALLED IN ACCORDANCE WITH SABS 541.
- * FIRE RISERS TO BE INSTALLED IN ACCORDANCE WITH SABS 110 PART 1.
- * CLASS B FIRE COVERS TO COMPLY WITH SABS 550 AND TO BE FITTED WITH APPROVED SELF CLOSING OR AUTOMATIC CLOSING DEVICES.
- * STRUCTURAL BUILDINGS AND COMPONENTS TO COMPLY WITH SABS 110 PART 1.
- * FIRE EXIT DOORS ARE TO BE FITTED WITH EMERGENCY EXIT LOCKSETS.
- * SYMBOL SAFETY SIGNS TO BE IN ACCORDANCE WITH SABS CODE 1156 AND POSITIONED AS REQUIRED BY THE FIRE DEPARTMENT.



Services Precinct
0 25.0 m 50.0 m 100.0 m
SCALE: 1:2000

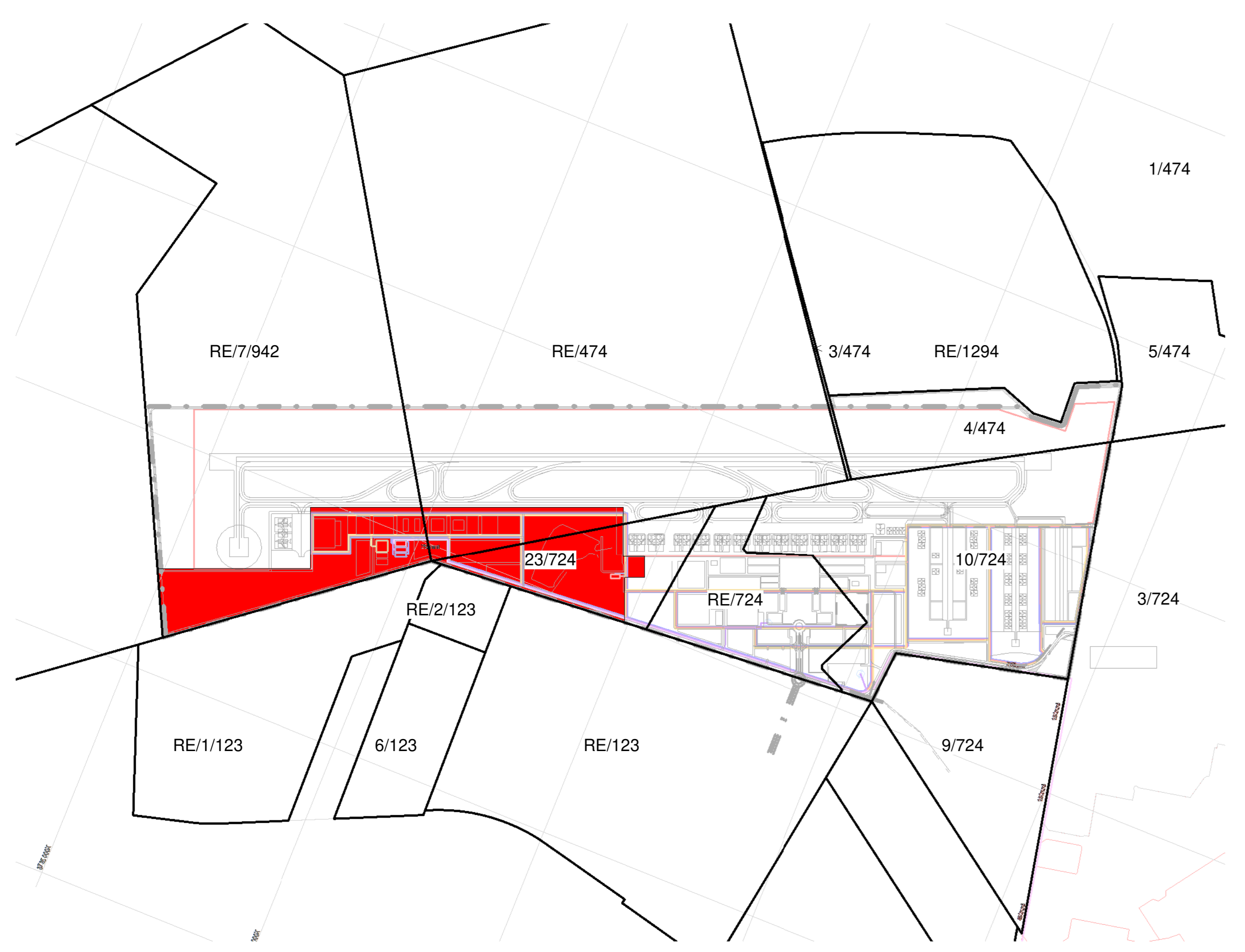
64.49 ha

Name	Occupancy	Plot Area
A08	PARKING	33217 m ²
B03	MRO HANGER	22961 m ²
B05	AIRCRAFT SANITARY STATION	7216 m ²
B06	AIRCRAFT MAINTENANCE	10041 m ²
B07	CATERING BUILDING	6400 m ²
B08	GSE MAINTENANCE	5997 m ²
B09.1	GSE STAGING AREA	3998 m ²
B10.1	FUEL FARM	6797 m ²
B10.2	FUEL FARM	6797 m ²
B11.1	CARGO TERMINAL	3500 m ²
B13	ARFF	14536 m ²
B14.2	OPS	7472 m ²
B14a	AIR TRAFFIC CONTROL TOWER	3403 m ²

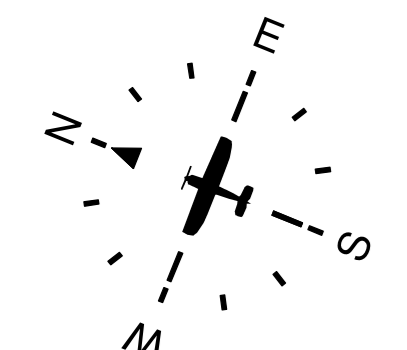
Name	Occupancy	Plot Area
C01	POTABLE WATER	1250 m ²
C02	GROUNDWATER TREATMENT	1000 m ²
C03	WATER PUMP STATION	1000 m ²
C04	NON-POTABLE WATER	2500 m ²
C05	SOLID WASTE	1250 m ²
C06	WTWW + LIFT STATION	1250 m ²
C07	BIOGAS PLANT	30879 m ²
C08	ESKOM INCOMING & LS SUBSTATION	8432 m ²
C10	FIREFIGHTING WATER PUMP STATION	440 m ²
C11	SUB STATION	460 m ²

Name	Occupancy	Plot Area
E04.14	AIRPORT USE	4820 m ²
E04.15	AIRPORT USE	9094 m ²
E04.16	AIRPORT USE	10993 m ²

MRO Maintenance Repairs and Operations
 FBO Fixed Based Operators
 GA General Aviation
 GSE Ground Support Equipment
 ARFF Aircraft Rescue and Firefighting
 FATO Final Approach and Take-off (Helipad)
 WTWW/WTWF Wastewater Treatment Plant / Works
 RDTs Remote Digital Control Tower System
 PAPI Precision Approach Path Indicator



Key Plan - Services Precinct



9

Rev	Description	Revision Date
10	Amendment to B03, Update to table name	2024-01-02
9	Rev. C07, Waste Line, Fuel Line and Boundary Adjustments	2024-01-02
14	ISSUED: BOUNDARY FENCE LINE ADJUSTED	2024-08-07
13	ISSUED: PHASE 1 UPDATED	2024-08-12
12	ISSUED FOR REVIEW	2024-08-14
11	ISSUED TO PROFESSIONALS	2024-07-24
10	ISSUED	2024-07-24
9	ISSUED	2024-07-24
8	ISSUED	2024-07-23
7	Revised B03, B04, B05 Comment	2024-07-09
6	Revised B03, B04, B05 Comment	2024-07-02
5	Added ARFF and Helipad	2024-06-24
4	FOR REVIEW	2024-06-10
3	FOR REVIEW	2024-04-01
2	FOR REVIEW	2024-04-01
1	FOR REVIEW	2024-03-28



CLIENT: _____

Engineer: _____ Registration No. Designer: _____

CLIENT: ENVIRONMENTAL CONSULTANT

TITLE: PHASE 2 SERVICES PRECINCT

DRAWING: CWA - PRECINCT PLANS

SIZE: A0	DWG NO: 2024-3297_402	REV: 16
SCALE: As Shown	DATE: 2024-01-02	ISSUED BY: CDR/DAW

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GENERAL NOTES

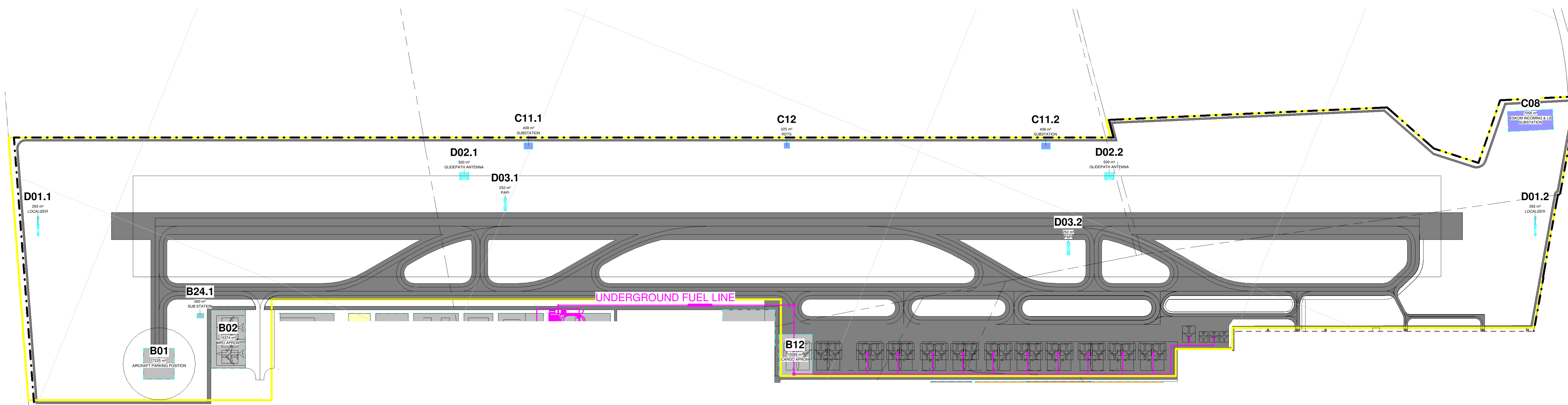
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- * REINFORCED CONCRETE AND STRUCTURAL STEEL WORK IS TO BE IN ACCORDANCE WITH THE STRUCTURAL ENGINEERS DESIGN AND SPECIFICATIONS.

DRAINAGE NOTES

- * ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
- * V.P.S. TO BE CHECKED UP TO 2m ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 5m.
- * INSPECTOR'S EYES & 1/2" TO BE PROVIDED AT ALL BENDS AND JUNCTIONS OF SOIL AND WASTE PIPES.
- * ROOFING EYES & 1/2" TO BE PROVIDED AT HEADS OF DRAINS AND AT A MAXIMUM OF 2m SPACINGS ALONG RUNS OF DRAINS.
- * MARKED COVERS TO BE PROVIDED AT GRADE LEVEL 100mm BELOW FINISH FLOOR LEVELS TO BE PROVIDED TO ALL WASTE FITTINGS.
- * REGULAR TRAPS TO BE PROVIDED TO ALL WASTE FITTINGS.
- * SOIL WASTE DRAINS PASSING UNDER BUILDINGS TO BE ENCASED IN 150mm CONCRETE ALL ROUND AND BE PROVIDED WITH 1/4" AS CLOSE TO THE BUILDING AS POSSIBLE AT BOTH ENDS.
- * SOIL WASTE PIPES HAVING A VERTICAL DROP EXCEEDING 1500mm TO BE PROVIDED WITH ANTI-VIBRATION.
- * ALL BRASS DRAINS EXCEEDING 50mm LENGTH TO BE VENTED.
- * UPVIC PIPES ARE TO BE LAID IN ACCORDANCE WITH THE MANUFACTURERS TECHNICAL SPECIFICATIONS.

FIRE DEPARTMENT'S REQUIREMENTS

- * ALL WORK IS TO COMPLY WITH SABS 402.
- * ALL EXTINGUISHERS TO BE RETALLED IN ACCORDANCE WITH SABS 5105.
- * FIRE HOSE REELS TO BE RETALLED IN ACCORDANCE WITH SABS 541.
- * HYDRANTS TO BE INSTALLED IN ACCORDANCE WITH SABS 110 PART 1.
- * CLASS 'B' FIRE EXTINGUISHERS TO BE HUNG ON PURPOSE MADE BRACKETS AND LOCATED IN SECURE POSITIONS AS INDICATED ON PLAN.
- * CLASS 'B' FIRE COXES TO COMPLY WITH SABS 550 AND TO BE FITTED WITH APPROVED SELF CLOSING OR AUTOMATIC CLOSING DEVICES.
- * STRUCTURAL BUILDINGS AND COMPONENTS TO COMPLY WITH SABS 110.
- * FIRE EXIT DOORS ARE TO BE FITTED WITH EMERGENCY EXIT LOCKSETS.
- * SYMBOL SAFETY SIGNS TO BE IN ACCORDANCE WITH SABS CODE 1156 AND POSITIONED AS REQUIRED BY THE FIRE DEPARTMENT.



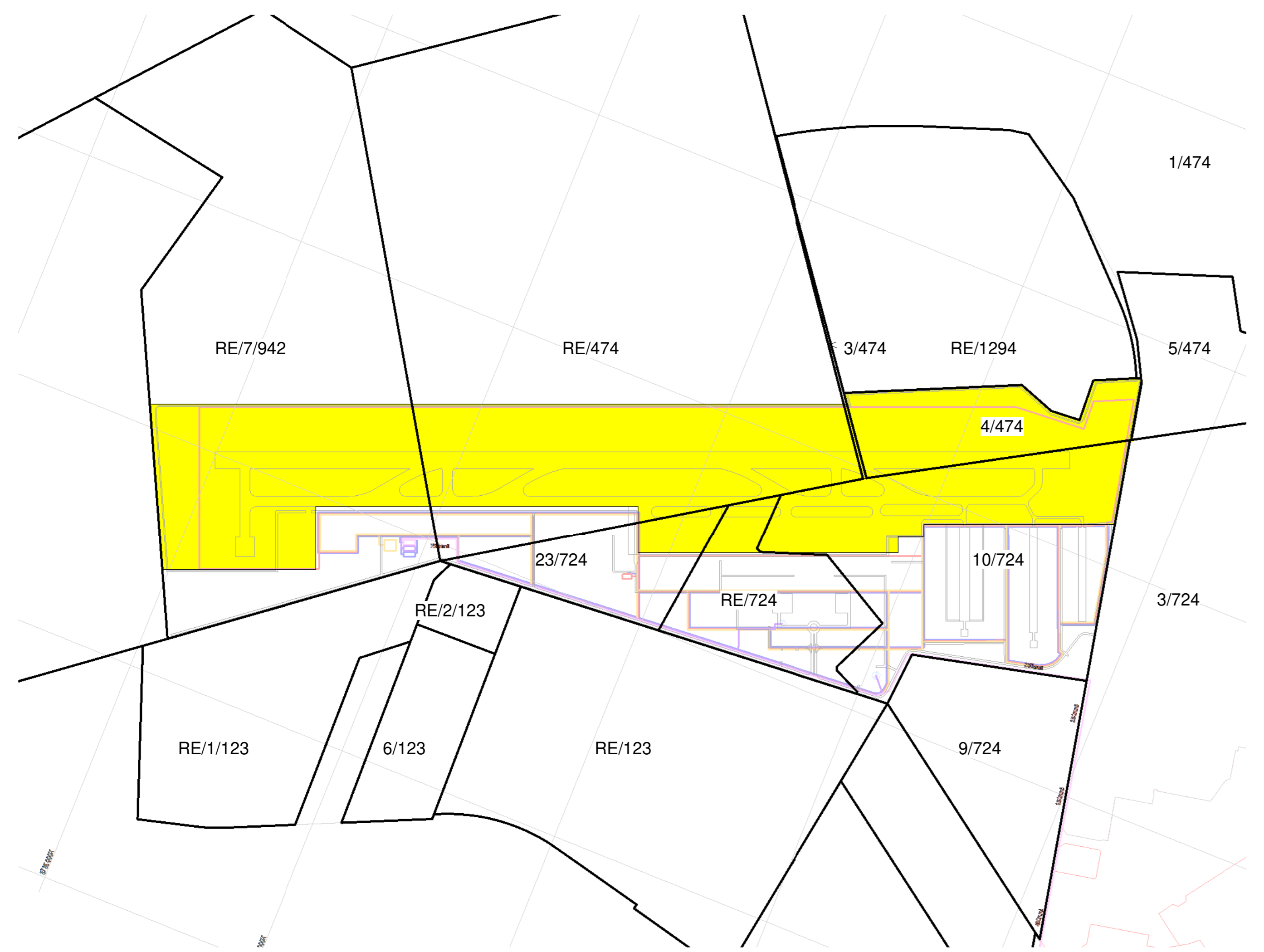
Airport Air Side Precinct
0 50.0 m 100.0 m 200.0 m
SCALE: 1:4000

248.41 ha

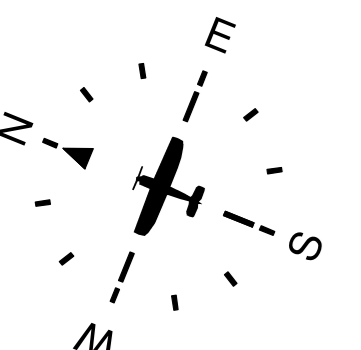
Name	Occupancy	Plot Area
B01	AIRCRAFT PARKING POSITION	7225 m ²
B02	MRO APRON	15374 m ²
B12	CARGO APRON	10589 m ²
B24.1	SUB STATION	260 m ²

MRO Maintenance Repairs and Operations
 FBO Fixed Based Operators
 GA General Aviation
 GSE Ground Support Equipment
 ARFF Aircraft Rescue and Firefighting
 FATO Final Approach and Take-off (Helipad)
 WTWP/WTWW Wastewater Treatment Plant / Works
 RDTS Remote Digital Control Tower System
 PAPI Precision Approach Path Indicator

Name	Occupancy	Plot Area
C08	ESKOM INCOMING & LS SUBSTATION	7056 m ²
C11.1	SUBSTATION	408 m ²
C11.2	SUBSTATION	408 m ²
C12	RDTS	225 m ²
D01.1	LOCALIZER	265 m ²
D01.2	LOCALIZER	265 m ²
D02.1	GLIDEPATH ANTENNA	500 m ²
D02.2	GLIDEPATH ANTENNA	500 m ²
D03.1	PAPI	252 m ²
D03.2	PAPI	252 m ²



Key Plan - Airport Air Side Precinct



10

Rev	Description	Revision Date
10	Amendment to B01, Update to table names	2024-01-09
9	2m, 500V, 11kV, 33kV, 66kV, 110kV, 220kV, 330kV, 500kV	2024-01-09
8	ISSUED - BOUNDARY FENCE LINE ADJUSTED	2024-08-07
7	ISSUED - PHASE 1 UNPLANNED	2024-08-06
6	ISSUED FOR REVIEW	2024-08-14
5	ISSUED TO PROFESSIONALS	2024-07-24
4	ISSUED	2024-07-24
3	ISSUED	2024-07-23
2	Received SUP/SEA for Comment	2024-07-09
1	Received SUP/SEA for Comment	2024-07-02
0	Issue ATCT and Helipad	2024-06-20
0	FOR REVIEW	2024-06-10
0	FOR REVIEW	2024-04-03
0	FOR REVIEW	2024-04-02
0	FOR REVIEW	2024-03-28



Client: _____
 Engineer: _____ Registration No: Designer
 SACAP No: _____

CLIENT: ENVIRONMENTAL CONSULTANT

TITLE: PHASE 2 AIRPORT AIR SIDE PRECINCT

DRAWING: CWA - PRECINCT PLANS

SIZE	DWG NO	DATE	REV
A0	2024-3297_404	2024-01-09	10

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GENERAL NOTES

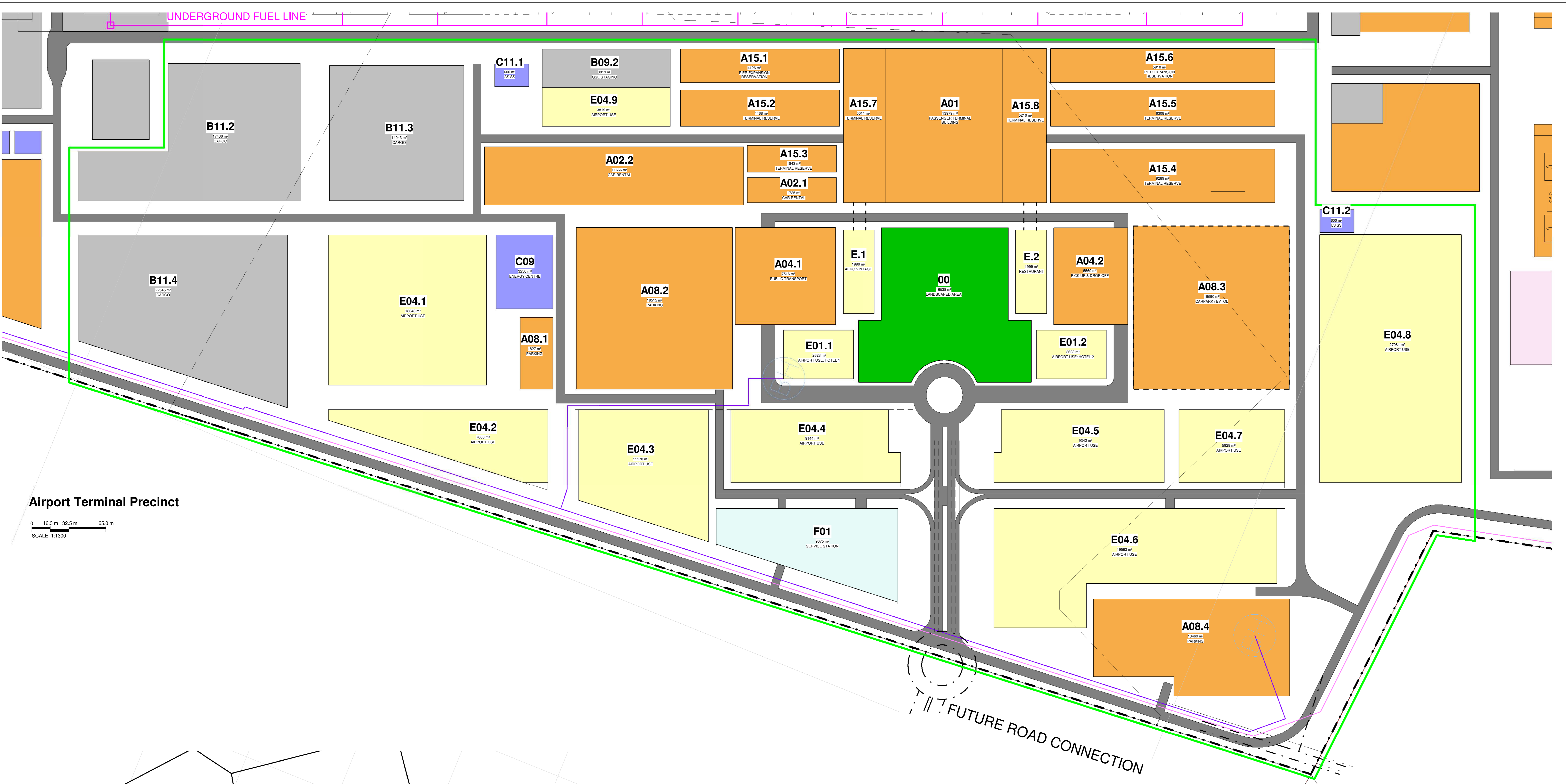
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DRAINAGE NOTES

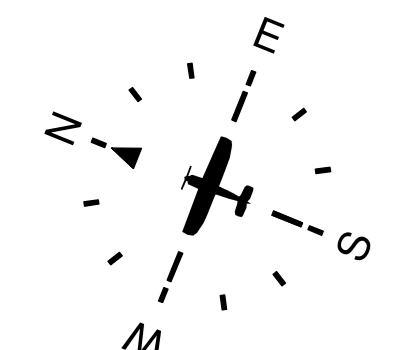
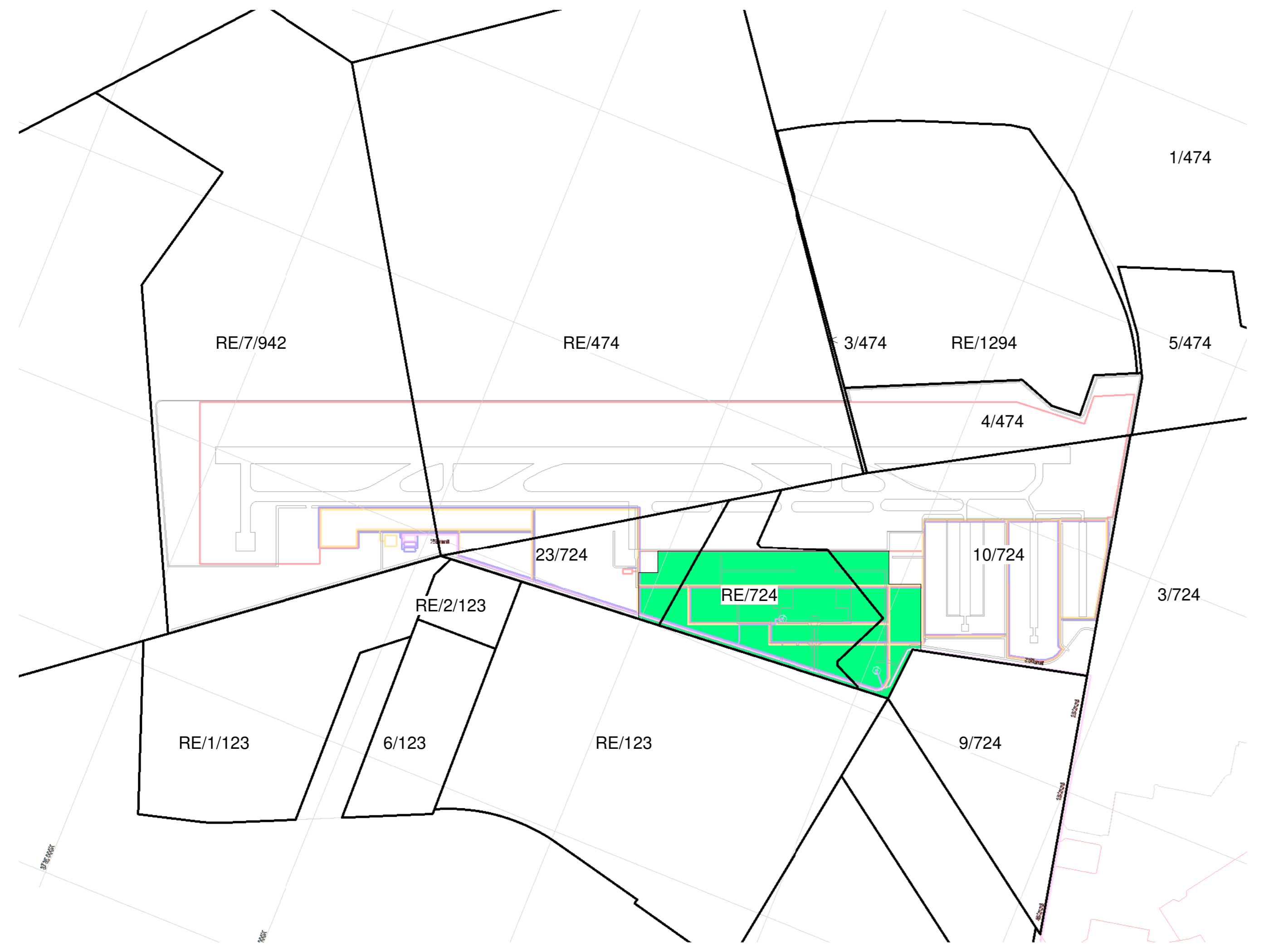
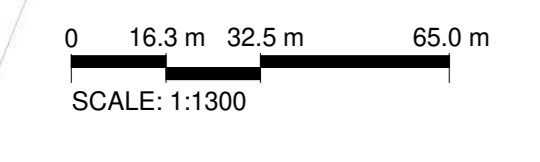
- * ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
- * IF A TOILET OR SINK IS TO BE INSTALLED IN A ROOM OR OFFICE IN THE BUILDING OR ON ANY OTHER BUILDING WITHIN A DISTANCE OF 5m, INSPECTION EYES (a/c) TO BE PROVIDED AT ALL BENDS AND JUNCTIONS OF SOIL AND WASTE PIPES.
- * ROOFING EYES (a/c) TO BE PROVIDED AT HEADS OF DRAINS AND AT A MINIMUM OF 2m SPACED ALONG RUNS OF DRAINS.
- * MANHOLE COVERS TO BE PROVIDED AT GRADE LEVEL FOR ALL BELOW GRADE DRAINS.
- * REARAL TRAPS TO BE PROVIDED FOR ALL WASTE FITTINGS.
- * SOIL WITH DRAINING PASSING UNDER BUILDINGS TO BE ENCASED IN 150mm CONCRETE ALL ROUND AND BE PROVIDED WITH (a/c) AS CLOSE TO THE BUILDING AS POSSIBLE AT BOTH ENDS.
- * SOIL WASTE PIPES HAVING A VERTICAL DROP EXCEEDING 1500mm TO THE MAIN DRAIN TO BE ANTI-VIBRATED.
- * ALL BRASS DRAINAGE EXCEEDING 50mm LENGTH TO BE VENTED.
- * PVC PIPES ARE TO BE LAID IN ACCORDANCE WITH THE MANUFACTURERS TECHNICAL SPECIFICATIONS.

FIRE DEPARTMENT'S REQUIREMENTS

- * ALL WORK IS TO COMPLY WITH SABS 406.
- * IF EXTINGUISHERS TO BE INSTALLED IN ACCORDANCE WITH SABS 5105, IN USE REELS TO BE INSTALLED IN ACCORDANCE WITH SABS 541.
- * FIRE EXTINGUISHERS TO BE INSTALLED IN ACCORDANCE WITH SABS 108 PART 1.
- * PORTABLE FIRE EXTINGUISHERS TO BE HUNG ON PURPOSE MADE BRACKETS AND LOCATED IN SECURE POSITIONS AS INDICATED ON PLAN.
- * DOORS TO BE CLOSED TO COMPLY WITH SABS 504 AND TO BE FITTED WITH APPROVED SELF CLOSING OR AUTOMATIC CLOSING DEVICES.
- * STRUCTURAL BUILDINGS AND COMPONENTS TO COMPLY WITH SABS 108.
- * FIRE EXIT DOORS ARE TO BE FITTED WITH EMERGENCY EXIT LOCKSETS.
- * SYMBOLS SAFETY SIGNS TO BE IN ACCORDANCE WITH SABS 108 CODE 1106 AND POSITIONED AS REQUIRED BY THE FIRE DEPARTMENT.



Airport Terminal Precinct



Key Plan - Airport Terminal Precinct

FUTURE ROAD CONNECTION

56.54 ha

Name	Occupancy	Plot Area
00	LANDSCAPED AREA	16538 m ²
A01	PASSENGER TERMINAL BUILDING	13979 m ²
A02.1	CAR RENTAL	1725 m ²
A02.2	CAR RENTAL	11666 m ²
A04.1	PUBLIC TRANSPORT	7516 m ²
A04.2	PICK UP & DROP OFF	5569 m ²
A08.1	PARKING	1827 m ²
A08.2	PARKING	19515 m ²
A08.3	CARPARK / EVTOL	19590 m ²
A08.4	PARKING	13469 m ²
A15.1	PIER EXPANSION RESERVATION	4126 m ²
A15.2	TERMINAL RESERVE	4468 m ²
A15.3	TERMINAL RESERVE	1843 m ²
A15.4	TERMINAL RESERVE	9289 m ²
A15.5	TERMINAL RESERVE	6308 m ²
A15.6	PIER EXPANSION RESERVATION	5910 m ²
A15.7	TERMINAL RESERVE	5011 m ²
A15.8	TERMINAL RESERVE	5210 m ²

Name	Occupancy	Plot Area
B09.2	GSE STAGING	3819 m ²
B11.2	CARGO	17436 m ²
B11.3	CARGO	14043 m ²
B11.4	CARGO	22545 m ²

Name	Occupancy	Plot Area
C09	ENERGY CENTRE	3250 m ²
C11.1	AS SS	600 m ²
C11.2	LS SS	600 m ²
E01.1	AIRPORT USE: HOTEL 1	2623 m ²
E01.2	AIRPORT USE: HOTEL 2	2623 m ²
E04.1	AIRPORT USE	18348 m ²
E04.2	AIRPORT USE	7660 m ²
E04.3	AIRPORT USE	11170 m ²
E04.4	AIRPORT USE	9144 m ²
E04.5	AIRPORT USE	9342 m ²
E04.6	AIRPORT USE	19563 m ²
E04.7	AIRPORT USE	5928 m ²
E04.8	AIRPORT USE	27081 m ²
E04.9	AIRPORT USE	3819 m ²
E.1	AERO VINTAGE	1999 m ²
E.2	RESTAURANT	1999 m ²
F01	SERVICE STATION	9075 m ²

MRO Maintenance Repairs and Operations
 FBO Fixed Based Operators
 GA General Aviation
 GSE Ground Support Equipment
 ARFF Aircraft Rescue and Firefighting
 FATO Final Approach and Take-off (Helipad)
 WTWP/WTWW Wastewater Treatment Plant / Works
 RDTs Remote Digital Control Tower System
 PAPI Precision Approach Path Indicator
 ASS Aircraft Sanitary Station

11

No.	Description	Revision Date
10	Approved to B09. Update to table name	2024-01-09
11	Rev. CIVIC Work Line, Fuel Line and Boundary Adjustments	2024-01-16
12	ISSUED - BOUNDARY FENCE LINE ADJUSTED	2024-08-07
13	ISSUED - PHASE 1 COMPLETE	2024-08-16
14	ISSUED FOR REVIEW	2024-08-14
15	ISSUED TO PROFESSIONALS	2024-07-04
16	ISSUED	2024-07-04
17	ISSUED	2024-07-04
18	ISSUED	2024-07-04
19	ISSUED	2024-07-04
20	ISSUED	2024-07-04
21	ISSUED	2024-07-04
22	ISSUED	2024-07-04
23	ISSUED	2024-07-04
24	ISSUED	2024-07-04
25	ISSUED	2024-07-04
26	ISSUED	2024-07-04
27	ISSUED	2024-07-04
28	ISSUED	2024-07-04
29	ISSUED	2024-07-04
30	ISSUED	2024-07-04



Client:	ENVIRONMENTAL CONSULTANT
Engineer:	PHASE 2 TERMINAL PRECINCT
Scale:	CWA - PRECINCT PLANS
Sheet No.:	16
Date:	2024-08-07

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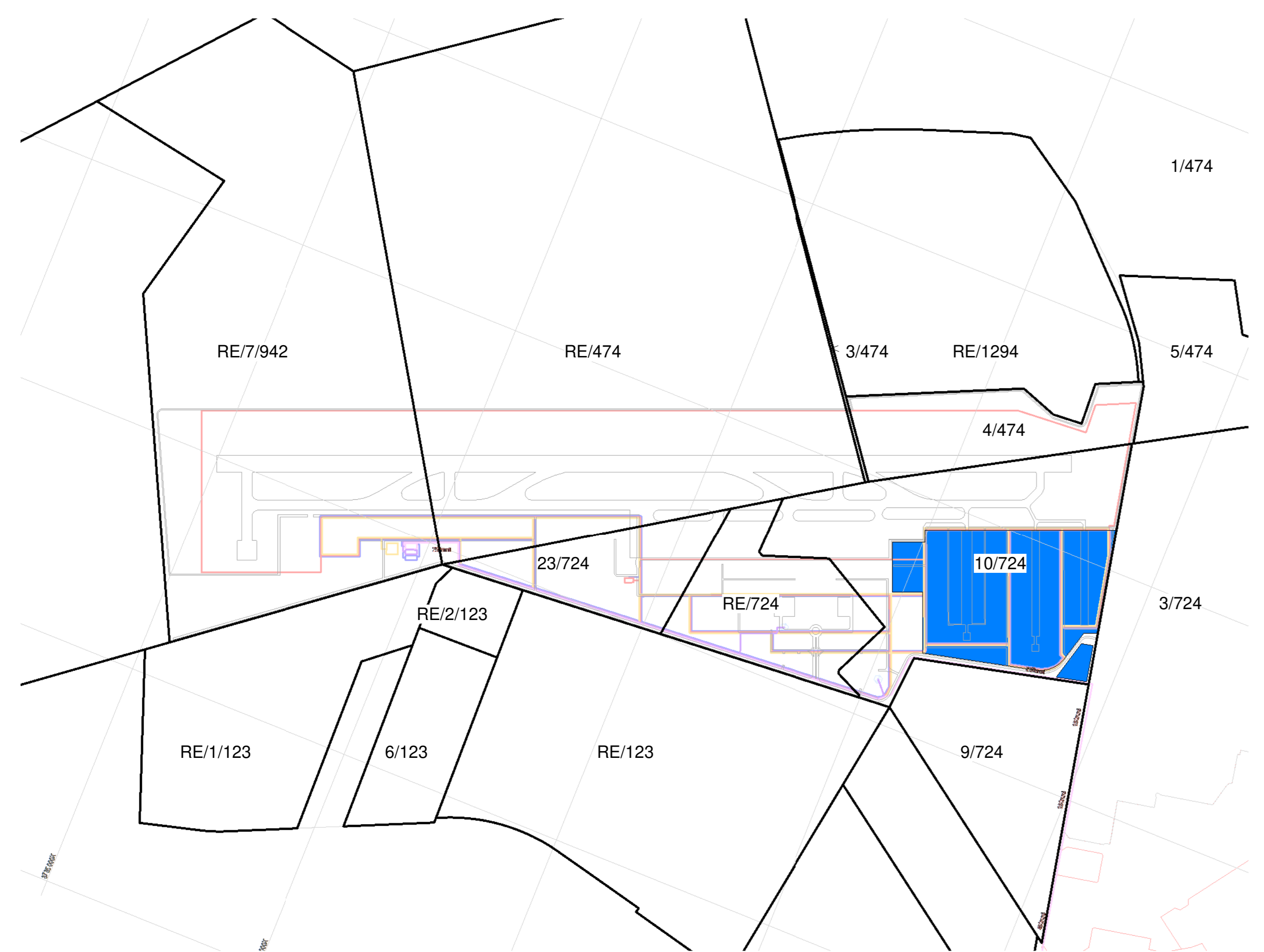
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DRAINAGE NOTES

- * ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
- * 150mm TO BE PROVIDED TO: ON ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 6m.
- * INSPECTOR'S EYES & 150mm TO BE PROVIDED AT ALL BENDS AND JUNCTIONS OF SOIL AND WASTE PIPES.
- * ROOF DRAINAGE IS TO BE PROVIDED AT HEADS OF DRAINS AND AT A MAXIMUM OF 20m SPACINGS ALONG RUNS OF DRAINS.
- * MARKED COVERS TO BE PROVIDED AT GRADE LEVEL FOR ALL BELOW GRADE DRAINING.
- * REGULAR TRAPS TO BE PROVIDED TO ALL WASTE FITTINGS.
- * SOIL WITHOUSING FINISH UNDER BUILDINGS TO BE ENCASED IN 150mm CONCRETE ALL ROUND AND BE PROVIDED WITH (4) 150mm AS CLOSE TO THE BUILDING AS POSSIBLE AT BOTH ENDS.
- * SOIL WASTE PIPES HAVING A VERTICAL DROP EXCEEDING 1500mm TO THE MAIN DRAIN TO BE ANTI-SIPHONED.
- * ALL BRASS DRAINAGE EXCEEDING 150mm LENGTH TO BE VENTED.
- * UPVIC PIPES ARE TO BE LAID IN ACCORDANCE WITH THE MANUFACTURERS TECHNICAL SPECIFICATIONS.

FIRE DEPARTMENT'S REQUIREMENTS

- * ALL WORK IS TO COMPLY WITH SABS 406.
- * ALL EXTINGUISHERS TO BE RECALLED IN ACCORDANCE WITH SABS 5105.
- * ROSE HELLS TO BE RECALLED IN ACCORDANCE WITH SABS 541.
- * FIRE EXTINGUISHERS TO BE INSTALLED IN ACCORDANCE WITH SABS 110 PART 1.
- * PORTABLE FIRE EXTINGUISHERS TO BE HUNG ON PURPOSE MADE BRACKETS AND LOCATED IN SECURE POSITIONS AS INDICATED ON PLAN.
- * CLASS 'B' FIRE COVERS TO COMPLY WITH SABS 504 AND TO BE FITTED WITH APPROVED SELF CLOSING OR AUTOMATIC CLOSING DEVICES.
- * STRUCTURAL BUILDINGS AND COMPONENTS TO COMPLY WITH SABS 110.
- * FIRE EXIT DOORS ARE TO BE FITTED WITH EMERGENCY EXIT LOCKSETS.
- * SYMBOL SAFETY SIGNS TO BE IN ACCORDANCE WITH SABS 505 CODE 1506 AND POSITIONED AS REQUIRED BY THE FIRE DEPARTMENT.



Name	Occupancy	Plot Area
A03	GA/VIP/GOVERNMENT TERMINAL	6419 m ²
A08.5	PARKING	10753 m ²
A08.6	PARKING	2987 m ²
A10.1A	FBO 1	5787 m ²
A10.1B	FBO 1	1230 m ²
A10.2A	FBO 2	5787 m ²
A10.2B	FBO 2	1230 m ²
A10.3A	FBO 4	5787 m ²
A10.3B	FBO 4	1230 m ²
A10.4A	FBO 3	5798 m ²
A10.4B	FBO 3	1220 m ²
A11.1	GA HANGERS	3200 m ²
A11.2	GA HANGERS	3200 m ²
A11.3	GA HANGERS	3200 m ²
A11.4	GA HANGERS	3200 m ²
A11.5	GA HANGERS	3200 m ²
A11.6	GA HANGERS	3200 m ²
A11.7	GA HANGERS	3200 m ²
A11.8	GA HANGERS	3200 m ²
A11.9	GA HANGERS	3200 m ²
A11.10	GA HANGERS	3200 m ²
A11.11	GA HANGERS	4678 m ²
A11.12	GA HANGERS	4971 m ²
A11.13	GA HANGERS	8512 m ²
A16	GA CLUBHOUSE & FUELING	5204 m ²

Name	Occupancy	Plot Area
B11	SPECIAL CARGO FACILITY	1575 m ²
B14.1	OPS	1500 m ²
B17.1	ACCESS CONTROL	102 m ²
B17.2	ACCESS CONTROL	100 m ²
B17.3	ACCESS CONTROL	100 m ²
E04.12	TRANSPORT USE	6315 m ²
E04.13	AIRPORT USE	4636 m ²
PH.1	HELIPORT	6220 m ²
PH.2	HELIPORT	6220 m ²
PH.3	HELIPORT	992 m ²
PH.4	HELIPORT	992 m ²
PH.5	HELIPORT	8938 m ²

MRO Maintenance Repairs and Operations
 FBO Fixed Based Operators
 GA General Aviation
 GSE Ground Support Equipment
 ARFF Aircraft Rescue and Firefighting
 FATO Final Approach and Take-off (Helipad)
 WTWP/WTWW Wastewater Treatment Plant / Works
 RDTs Remote Digital Control Tower System
 PAPI Precision Approach Path Indicator

49.10 ha

12

Rev	Description	Revision Date
15	Approved to B03. Update to table names	2024-01-09
14	250mm Scale Line, Part Line and Boundary Adjustments	2024-01-09
13	ISSUE TO BOUNDARY FENCE LINE ADJUSTED	2024-08-07
12	ISSUE TO PHASE 1	2024-08-07
11	ISSUE FOR REVIEW	2024-08-14
10	ISSUE TO PROFESSIONALS	2024-07-24
9	ISSUED	2024-07-24
8	ISSUED	2024-07-23
7	Revised SUPPLEMENT Comment	2024-07-09
6	Revised SUPPLEMENT Comment	2024-07-09
5	Issue ATCT and Helipad	2024-06-26
4	FOR REVIEW	2024-06-10
3	FOR REVIEW	2024-04-03
2	FOR REVIEW	2024-04-03
1	FOR REVIEW	2024-03-28



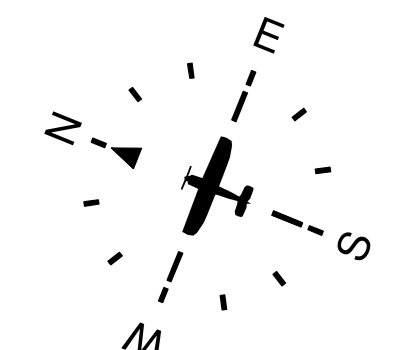
CLIENT: ENVIRONMENTAL CONSULTANT

PROJECT: PHASE 2 GENERAL AVIATION PRECINCT

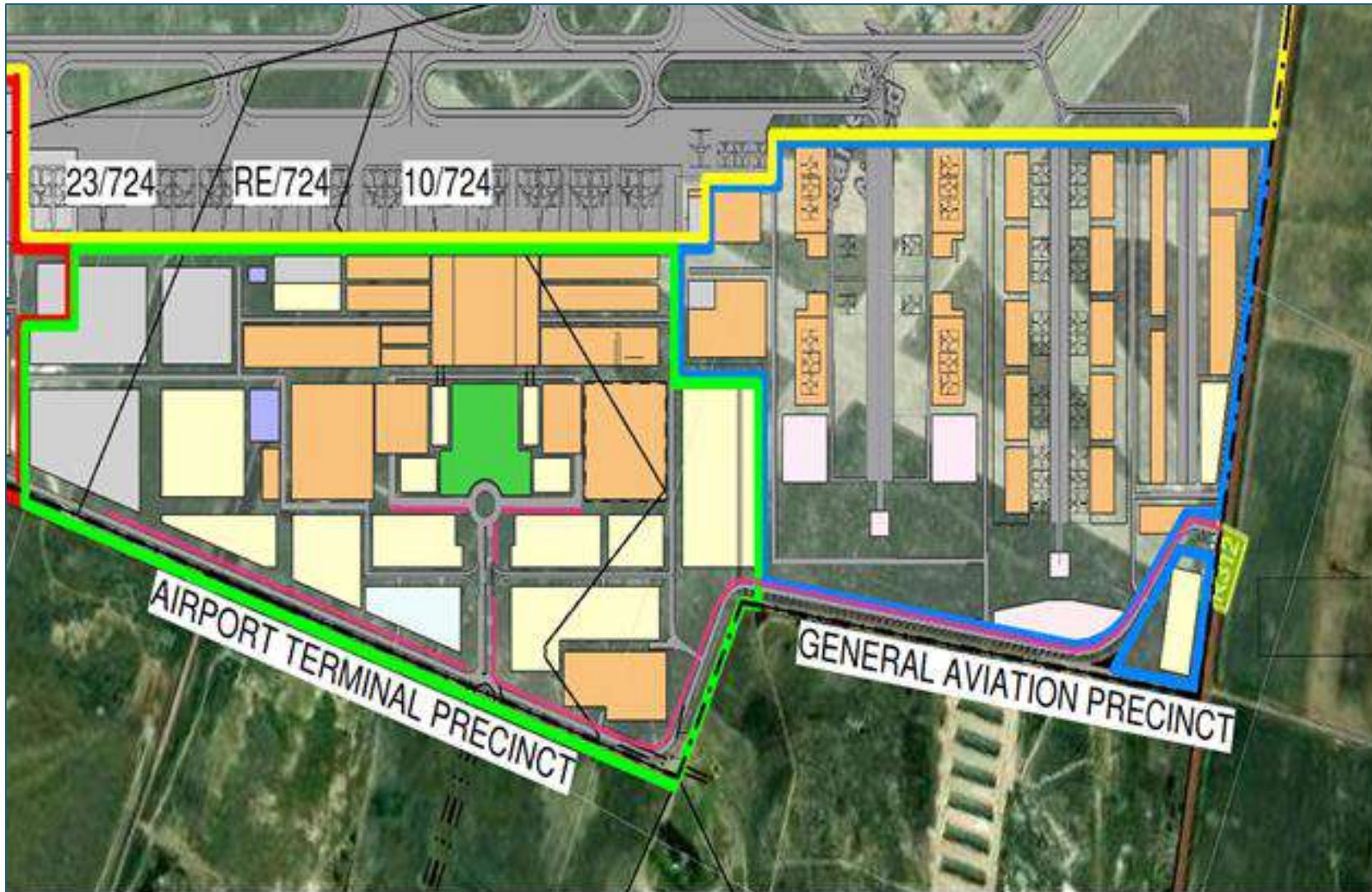
DRAWING: CWA - PRECINCT PLANS

DATE: 2024-03-27

SCALE: As Shown



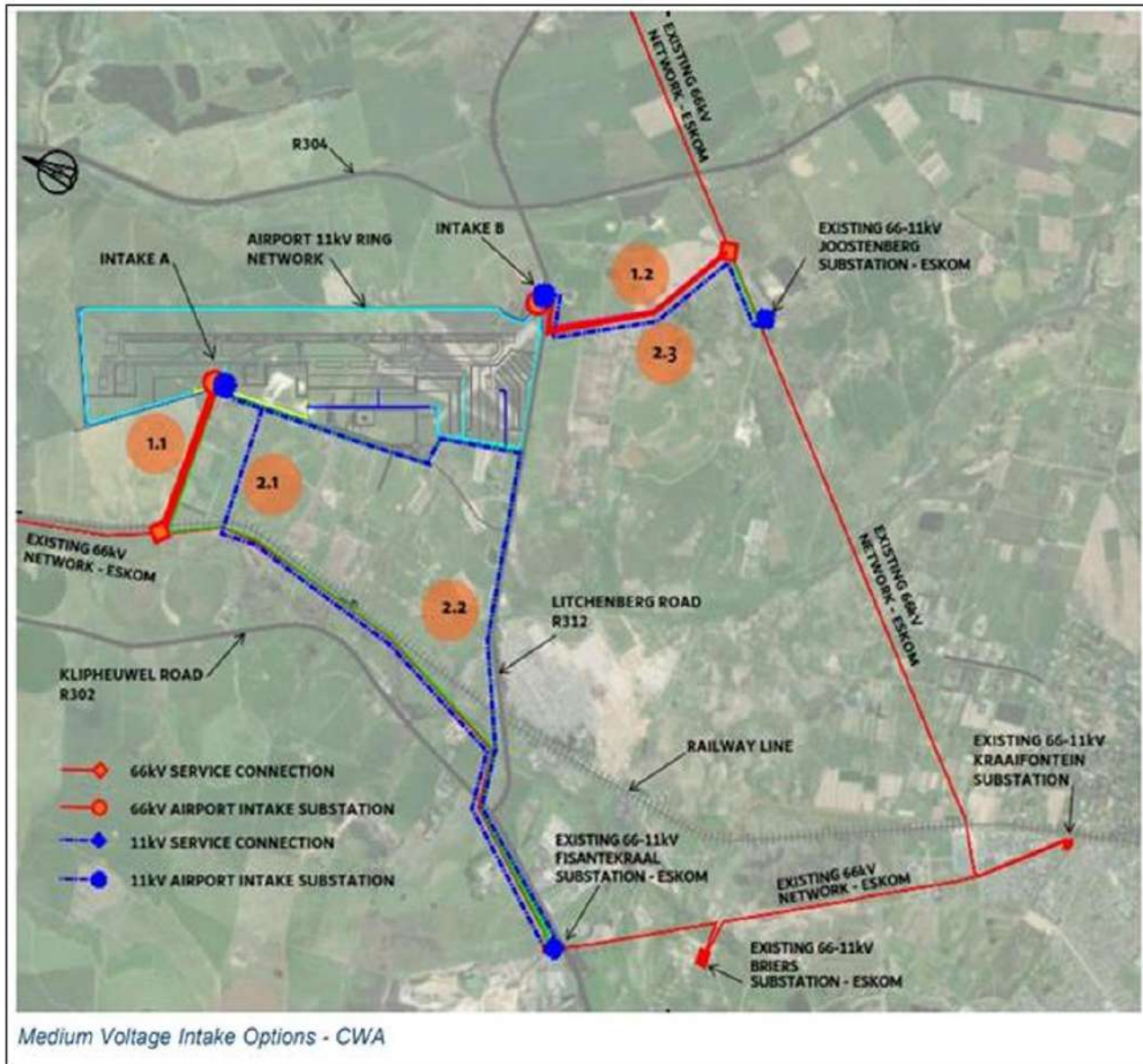
Key Plan - General Aviation Precinct



Pink line adjacent to Mellish Road leading from Lichtenburg Road towards the main entrance of the Airport Precinct indicating placement of 12 to 15 proposed billboards (Sept 2024)

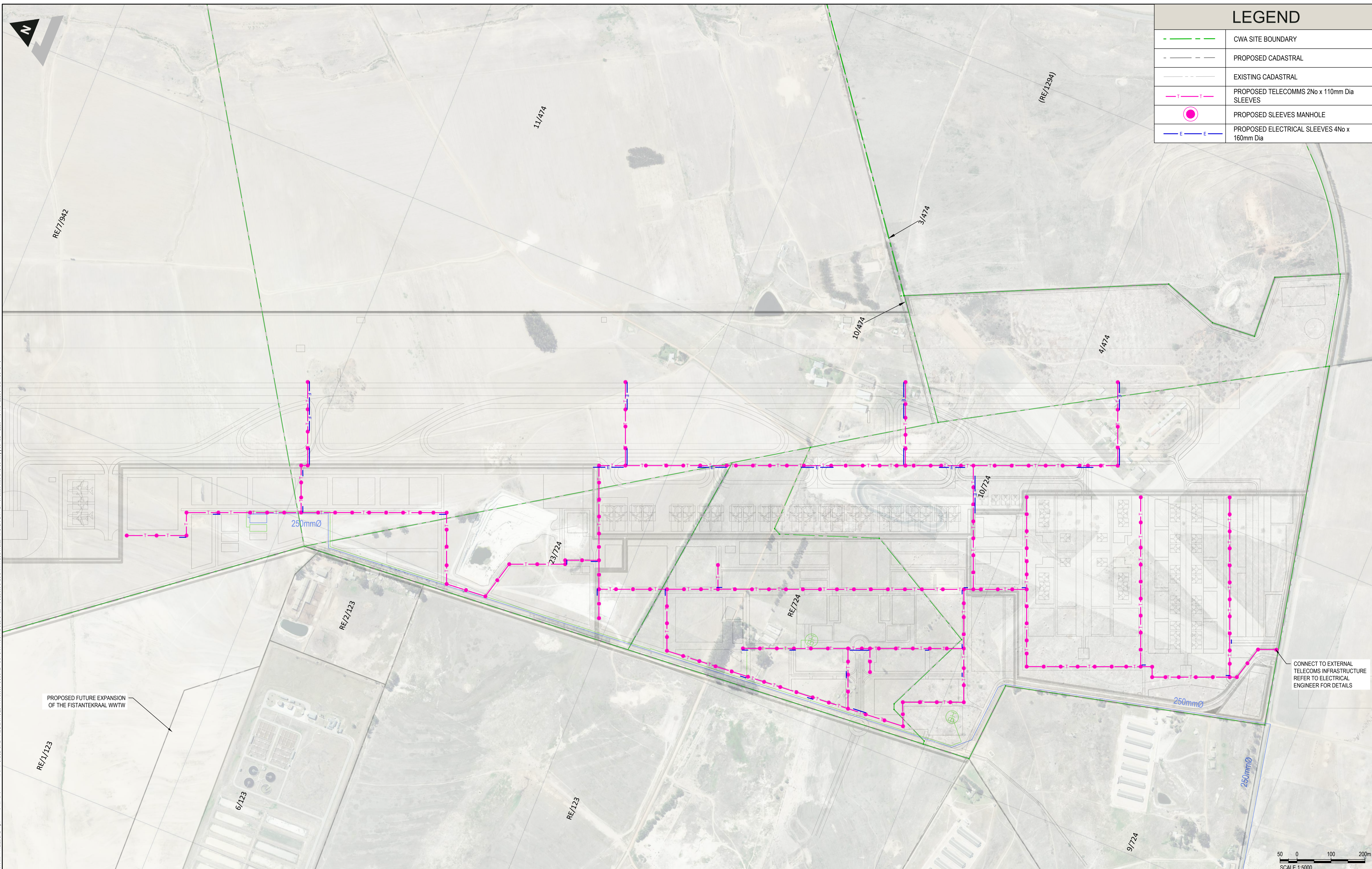


Eskom Bulk High Voltage Feeder Routing



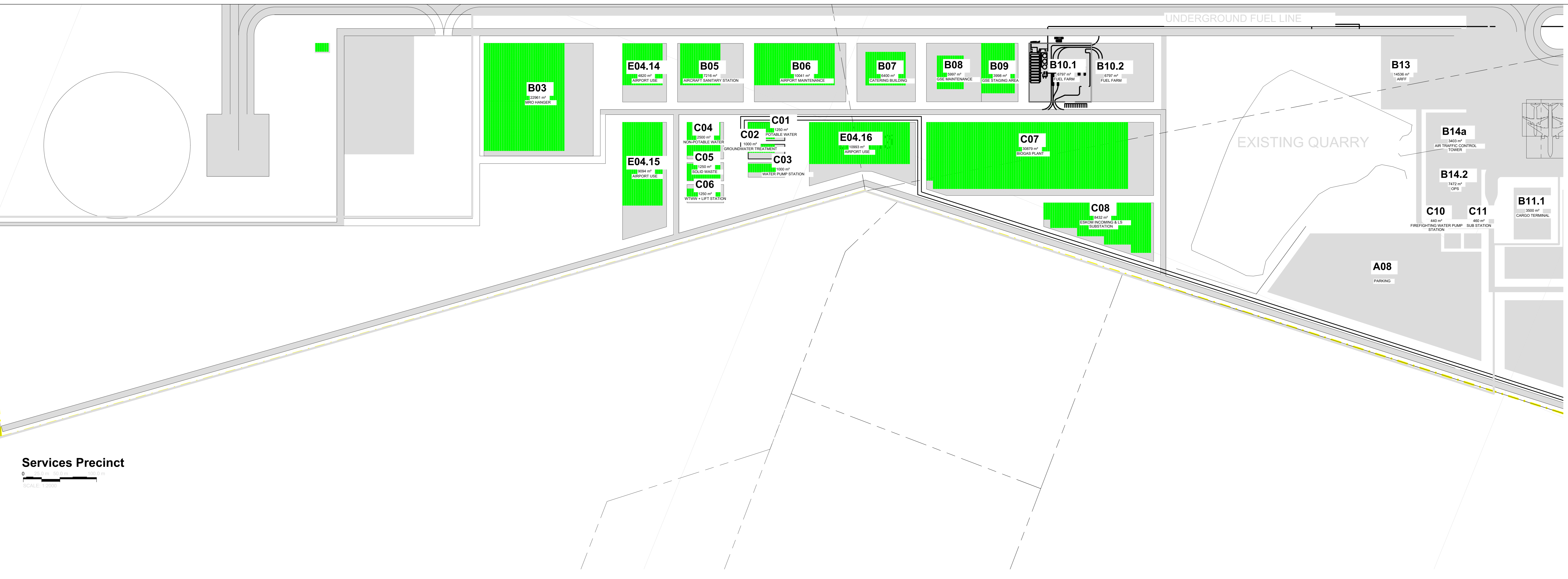
LEGEND

	CWA SITE BOUNDARY
	PROPOSED CADASTRAL
	EXISTING CADASTRAL
	PROPOSED TELECOMMS 2No x 110mm Dia SLEEVES
	PROPOSED SLEEVES MANHOLE
	PROPOSED ELECTRICAL SLEEVES 4No x 160mm Dia



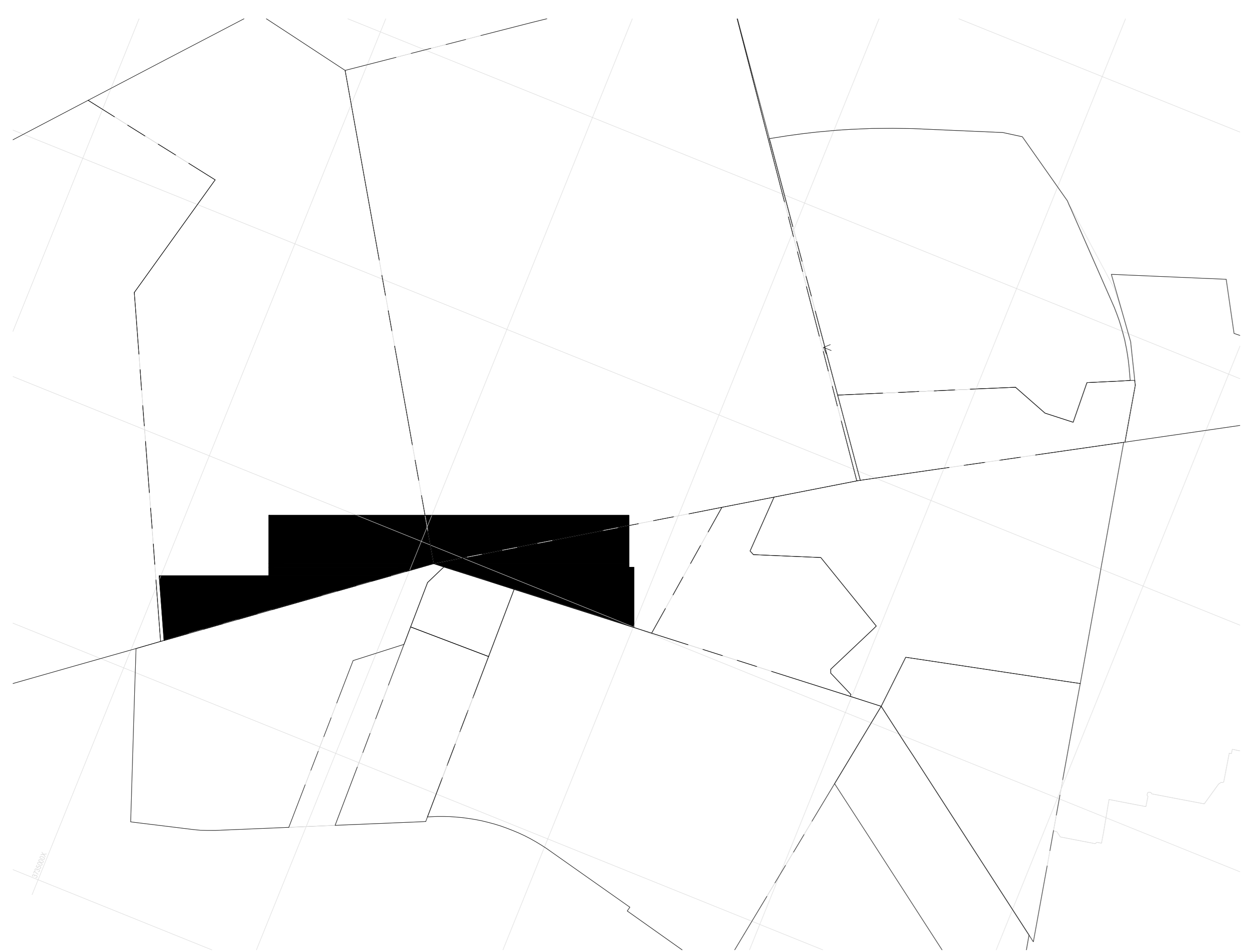
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		DISCLAIMER IF CONSTRUCTION DRAWINGS ARE ISSUED UNSIGNED, THE MASTER WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE ZUTARI OFFICE OF THE APPROVER	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>REVISION DETAILS</th> </tr> </thead> <tbody> <tr><td>A</td><td>18/01/22</td><td>FOR INFORMATION</td></tr> <tr><td>B</td><td>12/08/22</td><td>FOR INFORMATION</td></tr> <tr><td>C</td><td>19/10/23</td><td>FOR INFORMATION</td></tr> <tr><td>D</td><td>24/05/24</td><td>FOR INFORMATION</td></tr> <tr><td>E</td><td>12/08/24</td><td>FOR INFORMATION</td></tr> <tr><td>F</td><td>23/01/25</td><td>FOR INFORMATION</td></tr> </tbody> </table>	REV	DATE	REVISION DETAILS	A	18/01/22	FOR INFORMATION	B	12/08/22	FOR INFORMATION	C	19/10/23	FOR INFORMATION	D	24/05/24	FOR INFORMATION	E	12/08/24	FOR INFORMATION	F	23/01/25	FOR INFORMATION	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>APPROVED</th> <th>SCALE</th> <th>SIZE</th> </tr> </thead> <tbody> <tr> <td>C. TALIP</td> <td>1:5000</td> <td>A1</td> </tr> </tbody> </table>	APPROVED	SCALE	SIZE	C. TALIP	1:5000	A1	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>FOR INFORMATION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>C. TALIP</td> <td></td> </tr> </tbody> </table>	FOR INFORMATION	DATE	C. TALIP		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>PROJECT</th> <th>TITLE</th> </tr> </thead> <tbody> <tr> <td>CAPE WINELANDS AIRPORT</td> <td>CONCEPT LAYOUT ELECTRICAL & TELECOM SLEEVES</td> </tr> </tbody> </table>	PROJECT	TITLE	CAPE WINELANDS AIRPORT	CONCEPT LAYOUT ELECTRICAL & TELECOM SLEEVES
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A	18/01/22	FOR INFORMATION																																							
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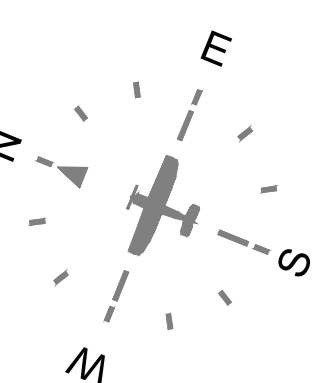


Services Precinct

SCALE: 1:2000



Key Plan - Services Precinct



Name	Occupancy	Area
A08	PARKING	33217 m ²
B03	MRO HANGER	22961 m ²
B05	AIRCRAFT SANITARY STATION	7216 m ²
B06	AIRCRAFT MAINTENANCE	10041 m ²
B07	CATERING BUILDING	6400 m ²
B08	GSE MAINTENANCE	5997 m ²
B09	GSE STAGING AREA	3998 m ²
B10.1	FUEL FARM	6797 m ²
B10.2	FUEL FARM	6797 m ²
B11.1	CARGO TERMINAL	3500 m ²
B13	ARFF	14536 m ²
B14.2	OPS	7472 m ²

Name	Occupancy	Area
B14a	AIR TRAFFIC CONTROL TOWER	3403 m ²
C01	POTABLE WATER	1250 m ²
C02	GROUNDWATER TREATMENT	1000 m ²
C03	WATER PUMP STATION	1000 m ²
C04	NON-POTABLE WATER	2500 m ²
C05	SOLID WASTE	1250 m ²
C06	WTWW + LIFT STATION	1250 m ²
C07	BIOGAS PLANT	30879 m ²
C08	ESKOM INCOMING & LS SUBSTATION	8432 m ²
C10	FIREFIGHTING WATER PUMP STATION	440 m ²

Name	Occupancy	Area
C11	SUB STATION	460 m ²
E04.14	AIRPORT USE	4820 m ²
E04.15	AIRPORT USE	9094 m ²
E04.16	AIRPORT USE	10993 m ²

- MRO Maintenance Repairs and Operations
- FBO Fixed Based Operators
- GA General Aviation
- GSE Ground Support Equipment
- ARFF Aircraft Rescue and Firefighting
- FATO Final Approach and Take-off (Helipad)
- WTWW/WTWW Wastewater Treatment Plant / Works
- RDTS Remote Digital Control Tower System
- PAPI Precision Approach Path Indicator

16A

0 250 500 Meters



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REV	DESCRIPTION	DATE	DRN	CHKNG
03	REVISED PANELS FOR GLARE	14/03/2025	AGS	PS
02	FOR INFORMATION	04/03/2025	AGS	PS
01	FOR INFORMATION	04/03/2024	AGS	PS

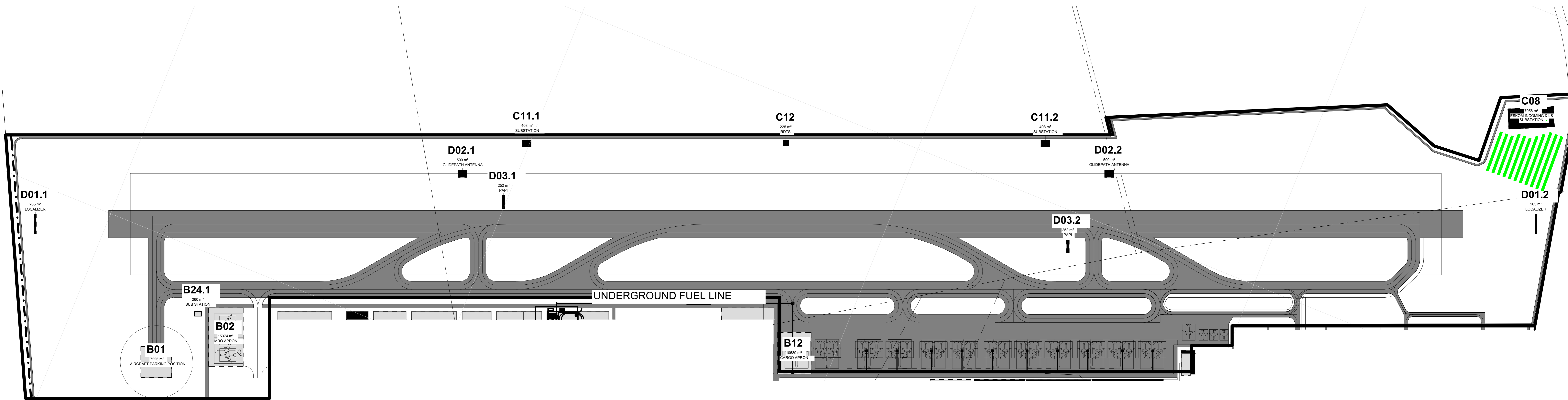
REVISIONS

14 Cyclone Street, The Interchange,
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P.O. Box 226
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Tel: +27 21 852 5095
Fax: +27 21 852 5070
Email: info@sandskirk.co.za

PROJECT:
CAPE WINELANDS AERO

TITLE:
PHASE 2
SERVICES PRECINCT
PV ARRANGMENT

DESIGN	DATE	DRG NUMBER	REV	SCALE	SIZE
CPS	04/03/2025	E558-2004	03	-	A0



Airport Air Side Precinct

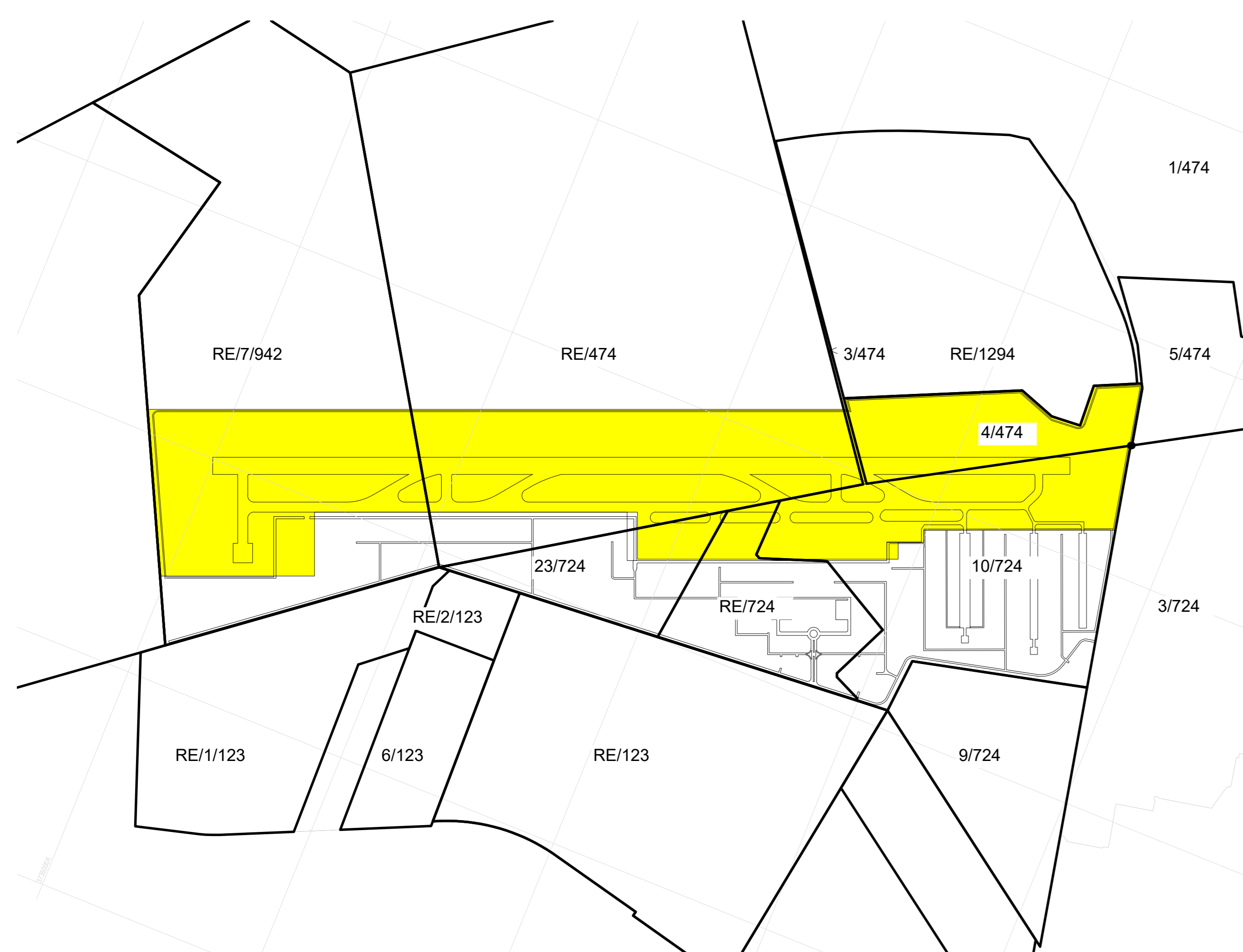
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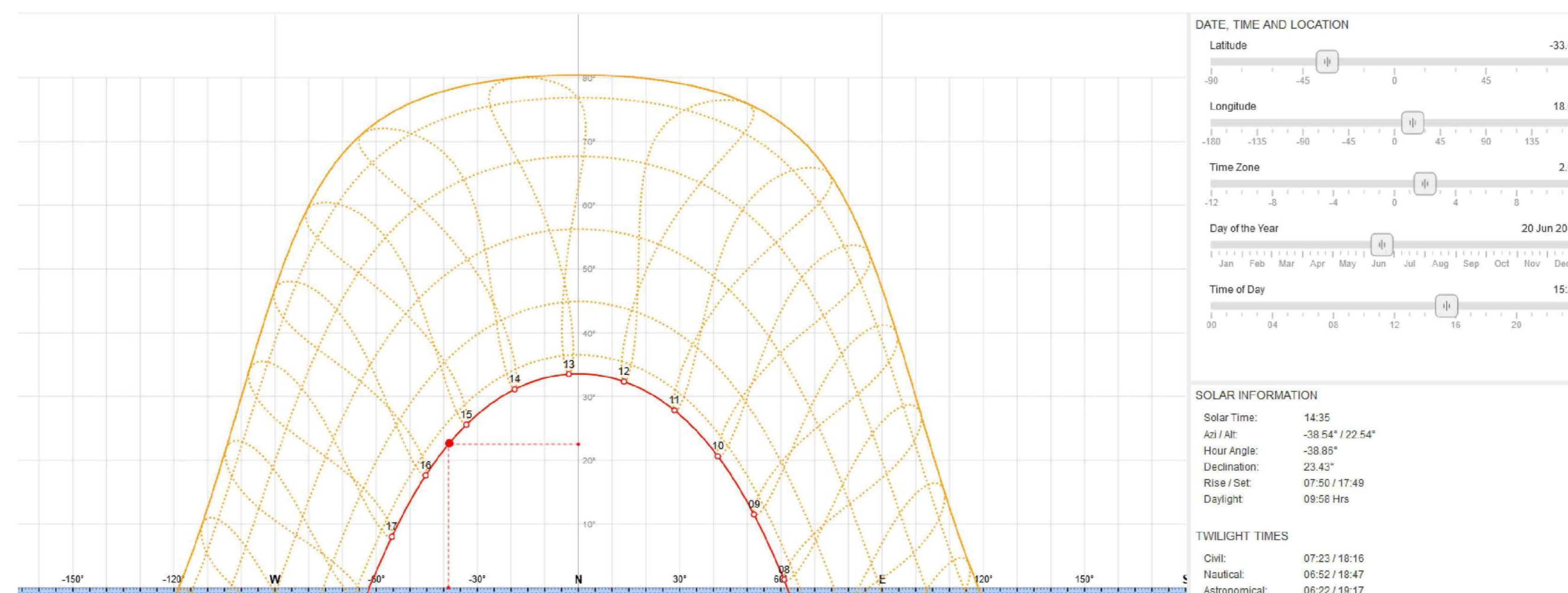
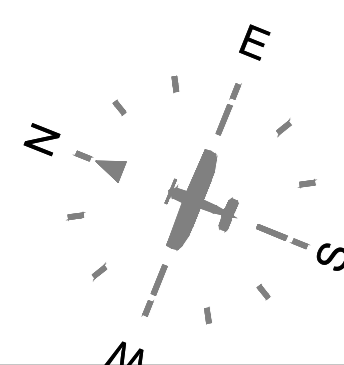
Name	Occupancy	Area
B01	AIRCRAFT PARKING POSITION	7225 m ²
B02	MRO APRON	15374 m ²
B12	CARGO APRON	10589 m ²
B24.1	SUB STATION	260 m ²

- MRO Maintenance Repairs and Operations
- FBO Fixed Based Operators
- GA General Aviation
- GSE Ground Support Equipment
- ARFF Aircraft Rescue and Firefighting
- FATO Final Approach and Take-off (Helipad)
- WTWP/WTWW Wastewater Treatment Plant / Works
- RDTS Remote Digital Control Tower System
- PAPI Precision Approach Path Indicator

Name	Occupancy	Area
C08	ESKOM INCOMING & LS SUBSTATION	7056 m ²
C11.1	SUBSTATION	408 m ²
C11.2	SUBSTATION	408 m ²
C12	RDTS	225 m ²
D01.1	LOCALIZER	265 m ²
D01.2	LOCALIZER	265 m ²
D02.1	GLIDEPATH ANTENNA	500 m ²
D02.2	GLIDEPATH ANTENNA	500 m ²
D03.1	PAPI	252 m ²
D03.2	PAPI	252 m ²



Key Plan - Airport Air Side Precinct



16b



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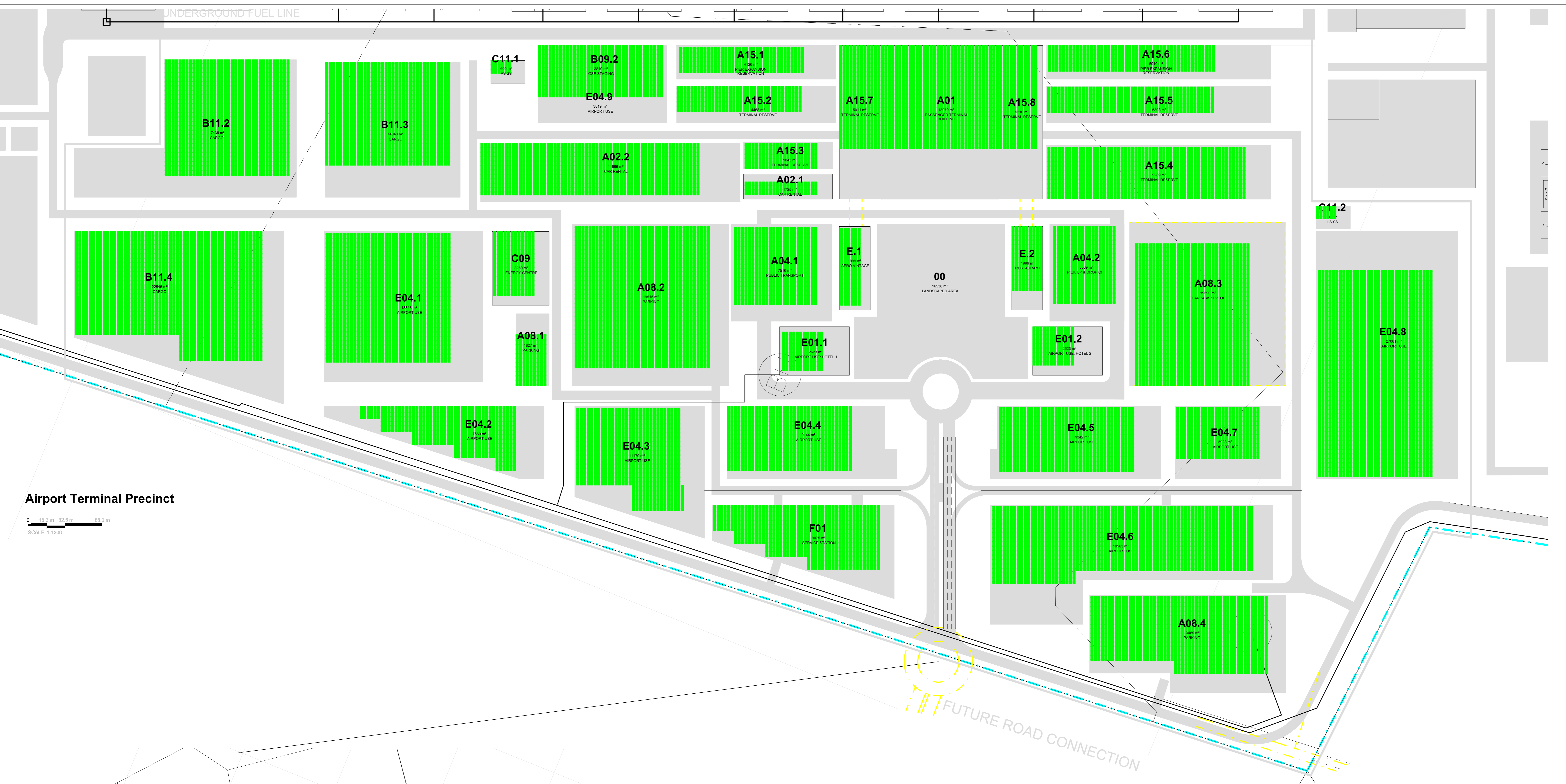
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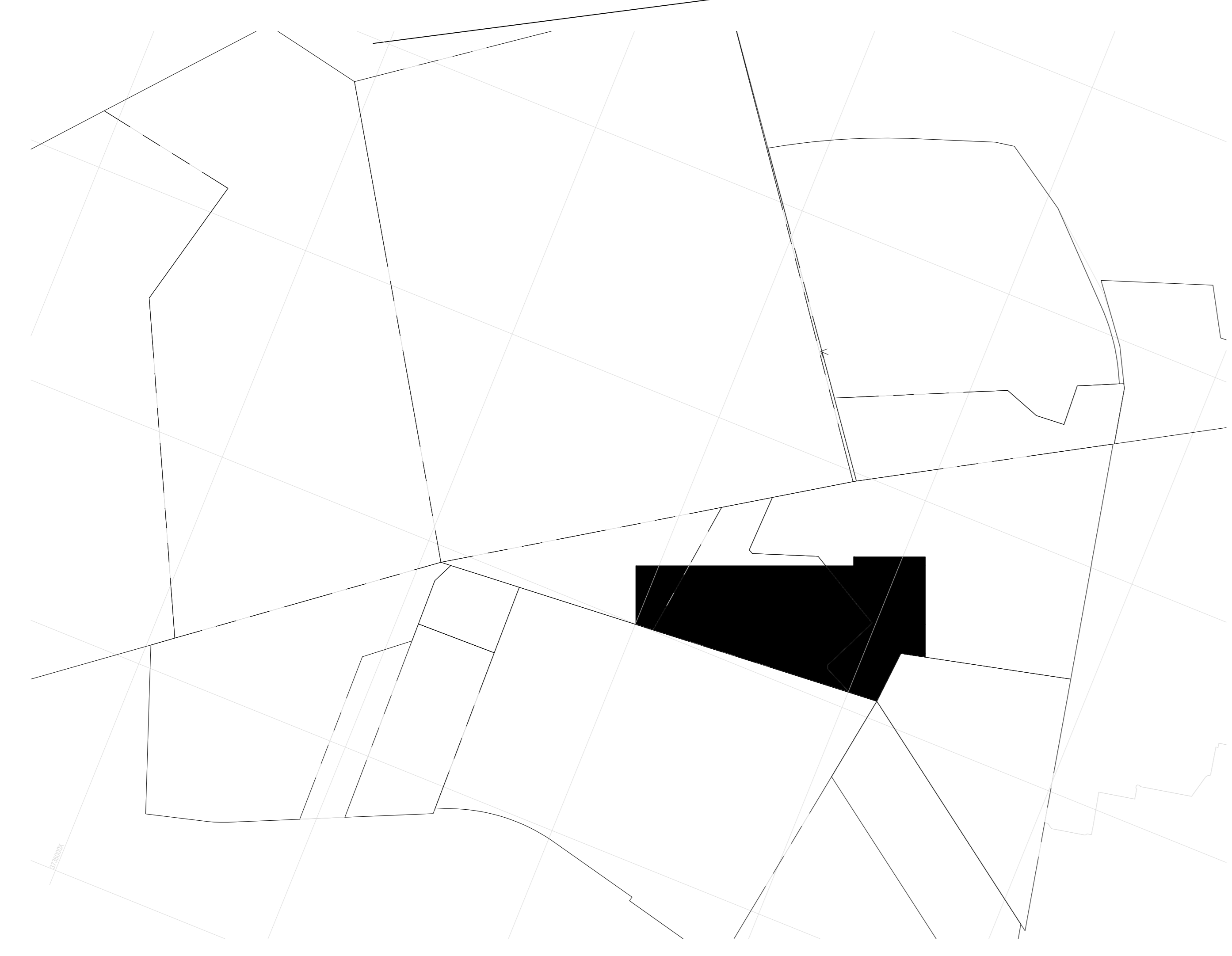
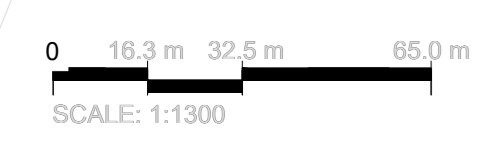
PROJECT:
CAPE WINELANDS AERO

TITLE:
PHASE 2 AIRSIDE PRECINCT PV ARRANGMENT

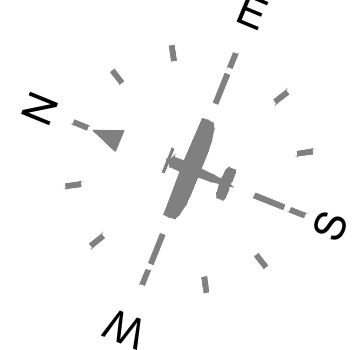
DESIGN	DATE	DRG NUMBER	REV	SCALE	SIZE
CPS	20/01/2025	E558-2005	02	-	A0



Airport Terminal Precinct



Key Plan - Airport Terminal Precinct



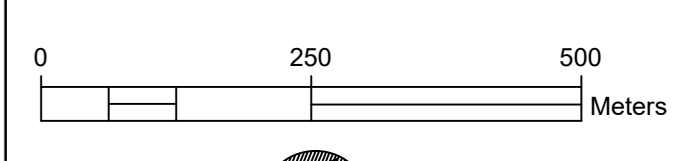
Name	Occupancy	Area
00	LANDSCAPED AREA	16538 m ²
A01	PASSENGER TERMINAL BUILDING	13979 m ²
A02.1	CAR RENTAL	1725 m ²
A02.2	CAR RENTAL	11666 m ²
A04.1	PUBLIC TRANSPORT	7516 m ²
A04.2	PICK UP & DROP OFF	5569 m ²
A08.1	PARKING	1827 m ²
A08.2	PARKING	19515 m ²
A08.3	CARPARK / EVTOL	19590 m ²
A08.4	PARKING	13469 m ²
A15.1	PIER EXPANSION RESERVATION	4126 m ²
A15.2	TERMINAL RESERVE	4468 m ²
A15.3	TERMINAL RESERVE	1843 m ²
A15.4	TERMINAL RESERVE	9289 m ²
A15.5	TERMINAL RESERVE	6308 m ²
A15.6	PIER EXPANSION RESERVATION	5910 m ²
A15.7	TERMINAL RESERVE	5011 m ²
A15.8	TERMINAL RESERVE	5210 m ²

Name	Occupancy	Area
C11.1	AS SS	600 m ²
C11.2	LS SS	600 m ²
E01.1	AIRPORT USE: HOTEL 1	2623 m ²
E01.2	AIRPORT USE: HOTEL 2	2623 m ²
E04.1	AIRPORT USE	18348 m ²
E04.2	AIRPORT USE	7660 m ²
E04.3	AIRPORT USE	11170 m ²
E04.4	AIRPORT USE	9144 m ²
E04.5	AIRPORT USE	9342 m ²
E04.6	AIRPORT USE	19563 m ²
E04.7	AIRPORT USE	5928 m ²
E04.8	AIRPORT USE	27081 m ²
E04.9	AIRPORT USE	3819 m ²
E.1	AERO VINTAGE	1999 m ²
E.2	RESTAURANT	1999 m ²
F01	SERVICE STATION	9075 m ²

Name	Occupancy	Area
B09.2	GSE STAGING AREA	3819 m ²
B11.2	CARGO	17436 m ²
B11.3	CARGO	14043 m ²
B11.4	CARGO	22545 m ²
C11.3	ENERGY CENTRE	3250 m ²

- MRO Maintenance Repairs and Operations
- FBO Fixed Based Operators
- GA General Aviation
- GSE Ground Support Equipment
- ARFF Aircraft Rescue and Firefighting
- FATO Final Approach and Take-off (Helipad)
- WTWP/WTWW Wastewater Treatment Plant / Works
- RDTS Remote Digital Control Tower System
- PAPI Precision Approach Path Indicator
- ASS Aircraft Sanitary Station

16c



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REV	DESCRIPTION	DATE	DRN	CHENG
03	UPDATE TO 03 & TABLE NAMES	16/03/2025	ACS	PS
02	FOR INFORMATION	06/03/2025	ACS	PS
01	FOR INFORMATION	06/03/2024	ACS	PS

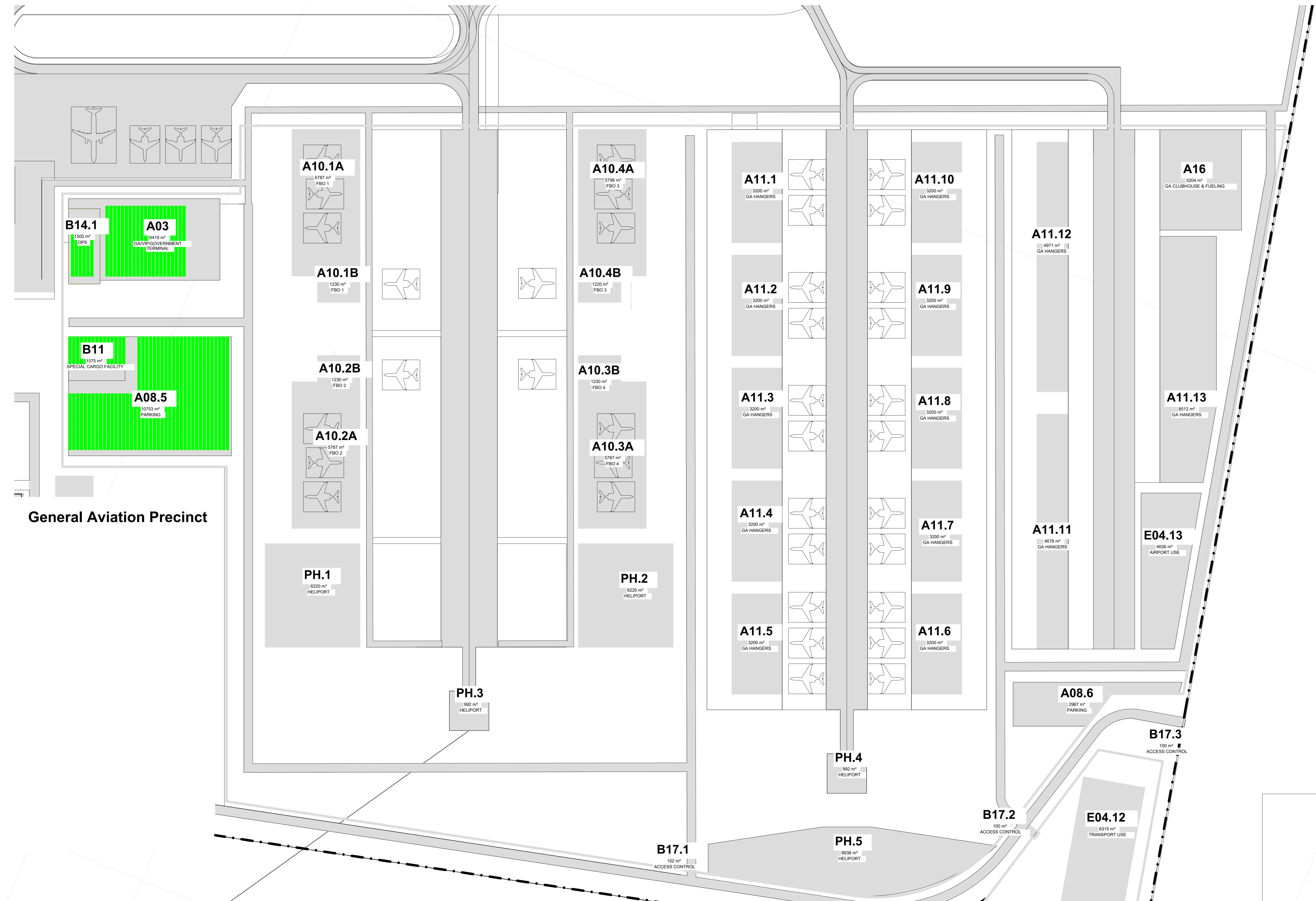


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Fax: +27 21 852 5070
Email: info@sandsconsulting.co.za

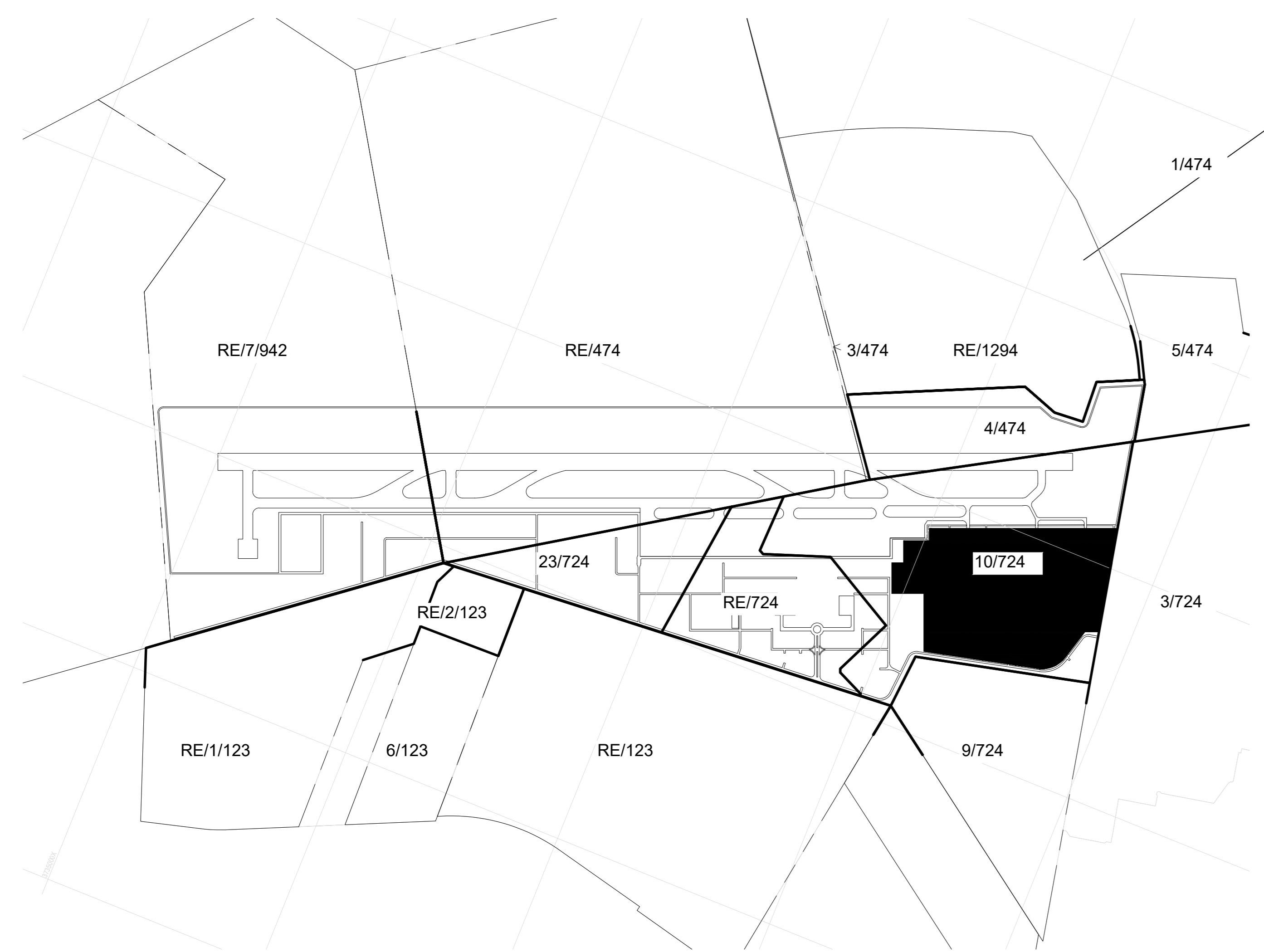
PROJECT: CAPE WINELANDS AERO

TITLE: PHASE 2 TERMINAL PRECINCT PV ARRANGMENT

DESIGN	DATE	DRG NUMBER	REV	SCALE	SIZE
CPS	01/02/2025	E558-2003	03	-	A0



General Aviation Precinct



Key Plan - General Aviation Precinct

Name	Occupancy	Area
A03	GA/VIP/GOVERNMENT TERMINAL	6419 m ²
A08.5	PARKING	10753 m ²
A08.6	PARKING	2987 m ²
A10.1A	FBO 1	5787 m ²
A10.1B	FBO 1	1230 m ²
A10.2A	FBO 2	5787 m ²
A10.2B	FBO 2	1230 m ²
A10.3A	FBO 4	5787 m ²
A10.3B	FBO 4	1230 m ²
A10.4A	FBO 3	5798 m ²
A10.4B	FBO 3	1220 m ²
A11.1	GA HANGERS	3200 m ²
A11.2	GA HANGERS	3200 m ²
A11.3	GA HANGERS	3200 m ²
A11.4	GA HANGERS	3200 m ²
A11.5	GA HANGERS	3200 m ²
A11.6	GA HANGERS	3200 m ²
A11.7	GA HANGERS	3200 m ²
A11.8	GA HANGERS	3200 m ²
A11.9	GA HANGERS	3200 m ²
A11.10	GA HANGERS	3200 m ²
A11.11	GA HANGERS	4678 m ²
A11.12	GA HANGERS	4971 m ²
A11.13	GA HANGERS	8512 m ²
A16	GA CLUBHOUSE & FUELING	5204 m ²
PH.1	HELIPORT	6220 m ²
PH.2	HELIPORT	6220 m ²
PH.3	HELIPORT	992 m ²
PH.4	HELIPORT	992 m ²
PH.5	HELIPORT	8938 m ²
B14.1	OPS	1500 m ²
B17.1	ACCESS CONTROL	102 m ²
B17.2	ACCESS CONTROL	100 m ²
B17.3	ACCESS CONTROL	100 m ²
E04.12	TRANSPORT	6315 m ²
E04.13	AIRPORT USE	4636 m ²

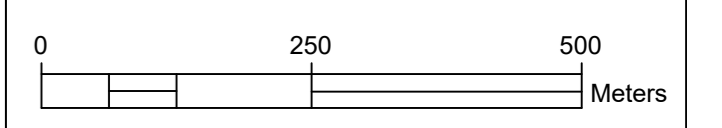
Name	Occupancy	Area
B11	SPECIAL CARGO FACILITY	1575 m ²
B17.1	ACCESS CONTROL	102 m ²
B17.2	ACCESS CONTROL	100 m ²
B17.3	ACCESS CONTROL	100 m ²

Name	Occupancy	Area
E04.12	TRANSPORT	6315 m ²
E04.13	AIRPORT USE	4636 m ²

Name	Occupancy	Area
PH.1	HELIPORT	6220 m ²
PH.2	HELIPORT	6220 m ²
PH.3	HELIPORT	992 m ²
PH.4	HELIPORT	992 m ²
PH.5	HELIPORT	8938 m ²

- MRO Maintenance Repairs and Operations
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- RDTs Remote Digital Control Tower System
- PAPI Precision Approach Path Indicator

16d



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REV	DESCRIPTION	DATE	DRN	CHK	ENG
03	UPDATE TO B03 & TABLE NAMES	14/02/2025	col	psb	psb
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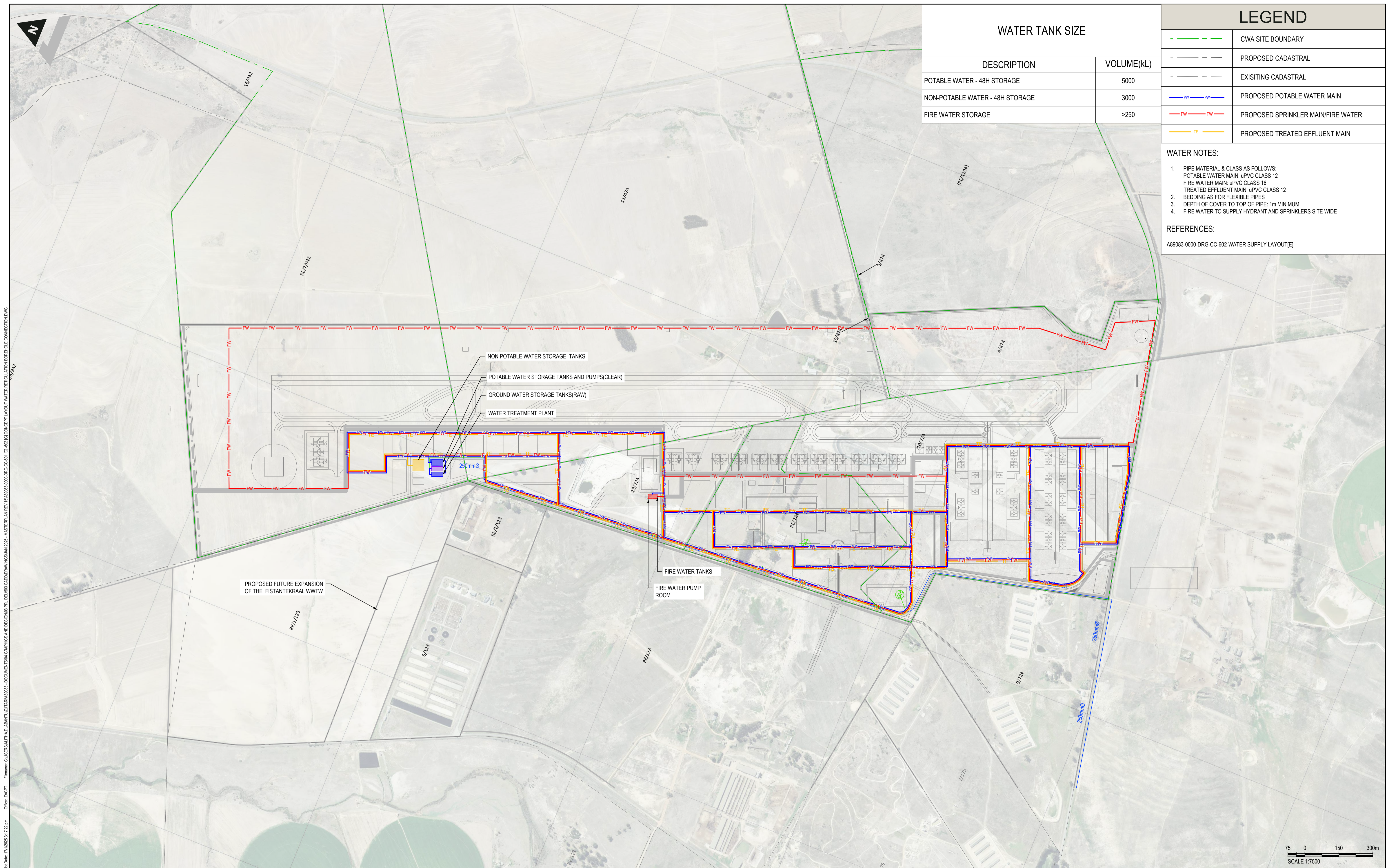


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Fax: +27 21 852 5070
Email: info@sands.co.za

PROJECT: CAPE WINELANDS AERO

TITLE: PHASE 2 AVIATION PRECINCT PV ARRANGEMENT

DESIGN	DATE	DRG NUMBER	REV	SCALE	SIZE
CPS	01/02/2025	ESS8-2002	03	-	A0



WATER TANK SIZE	
DESCRIPTION	VOLUME(kL)
POTABLE WATER - 48H STORAGE	5000
NON-POTABLE WATER - 48H STORAGE	3000
FIRE WATER STORAGE	>250

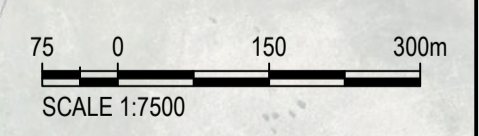
LEGEND	
	CWA SITE BOUNDARY
	PROPOSED CADASTRAL
	EXISTING CADASTRAL
	PROPOSED POTABLE WATER MAIN
	PROPOSED SPRINKLER MAIN/FIRE WATER
	PROPOSED TREATED EFFLUENT MAIN

WATER NOTES:

- PIPE MATERIAL & CLASS AS FOLLOWS:
 POTABLE WATER MAIN: uPVC CLASS 12
 FIRE WATER MAIN: uPVC CLASS 16
 TREATED EFFLUENT MAIN: uPVC CLASS 12
 BEDDING AS FOR FLEXIBLE PIPES
- DEPTH OF COVER TO TOP OF PIPE: 1m MINIMUM
- FIRE WATER TO SUPPLY HYDRANT AND SPRINKLERS SITE WIDE

REFERENCES:
 A89083-0000-DRG-CC-602-WATER SUPPLY LAYOUT[E]

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 File Name: C:\USERS\ATHA.D\BANTU\DRAWINGS\DOCUMENTS\CA - DOCUMENTS\CA - DRAWINGS\2025 - MASTER PLAN REV 15\A89083-0000-DRG-CC-602 [S]-402 [G] CONCEPT LAYOUT WATER RETICULATION BOREHOLE CONNECTION.DWG



DISCLAIMER	REV	DATE	REVISION DETAILS	APPROVED
IF CONSTRUCTION DRAWINGS ARE ISSUED UNSIGNED, THE MASTER WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE ZUTARI OFFICE OF THE APPROVER	A	18/02/22	FOR INFORMATION	C. TALIP
	B	22/02/22	FOR INFORMATION	C. TALIP
	C	12/08/22	FOR INFORMATION	C. TALIP
	D	19/10/23	FOR INFORMATION	C. TALIP
	E	24/05/24	FOR INFORMATION	C. TALIP
	F	12/08/24	FOR INFORMATION	C. TALIP
	G	23/01/25	FOR INFORMATION	C. TALIP

SCALE	1:7500	SIZE	A1
DRAWN	S. BADENHORST	APPROVED	
DESIGNED	M. HAWKES / M. ALBERTYN	DATE	
REVIEWED	C. TALIP	ECSA Pr Eng 20160091	

FOR INFORMATION

C. TALIP

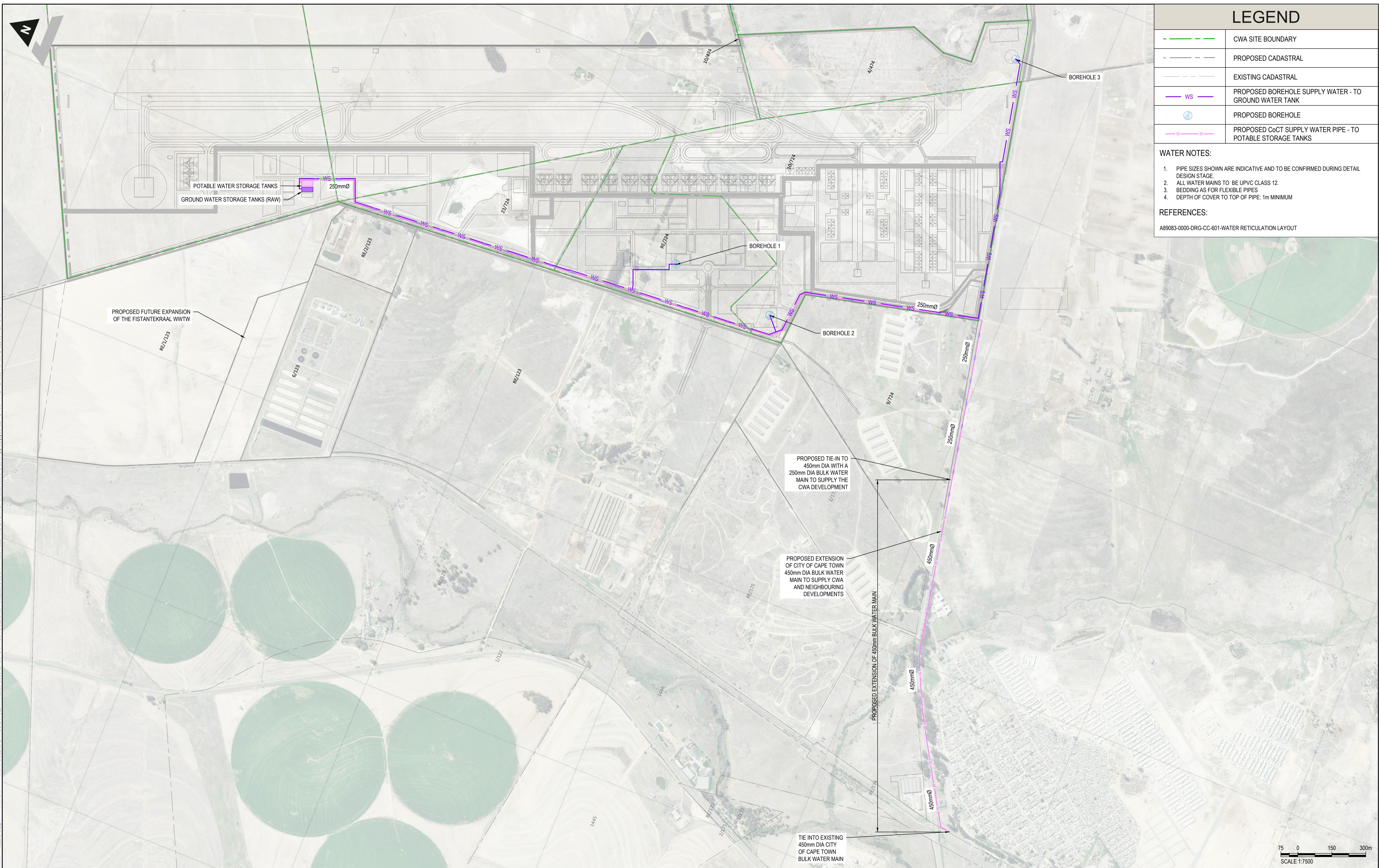
PROJECT	CAPE WINELANDS AIRPORT				
TITLE	CONCEPT WATER RETICULATION LAYOUT				
DRAWING No.	A89083	WBS	0000	TYPE	DRG - CC - 601
REV	G				

LEGEND

	CWA SITE BOUNDARY
	PROPOSED CADASTRAL
	EXISTING CADASTRAL
	PROPOSED BOREHOLE SUPPLY WATER - TO GROUND WATER TANK
	PROPOSED BOREHOLE
	PROPOSED CoCT SUPPLY WATER PIPE - TO POTABLE STORAGE TANKS

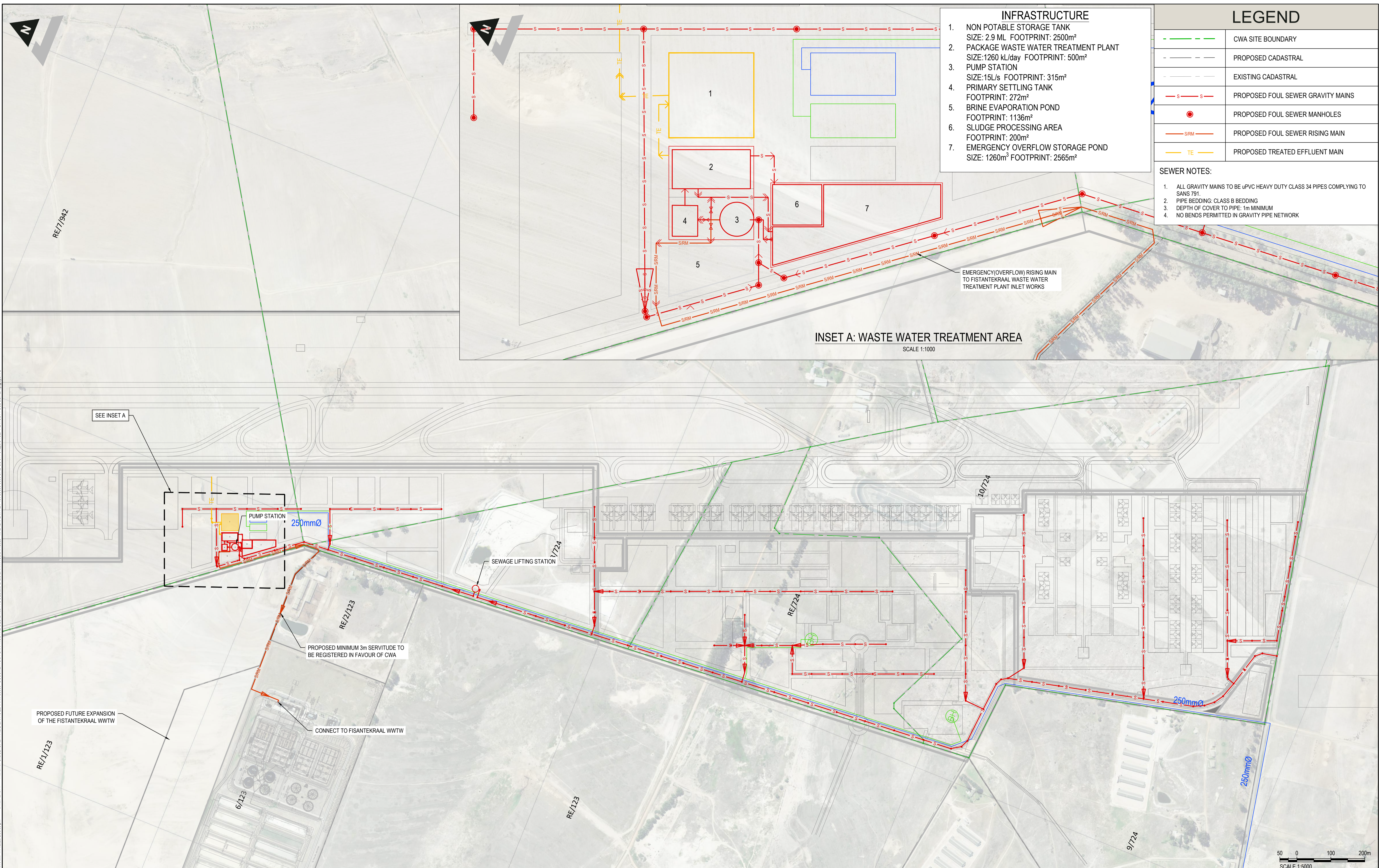
- WATER NOTES:**
- PIPE SIZES SHOWN ARE INDICATIVE AND TO BE CONFIRMED DURING DETAIL DESIGN STAGE.
 - ALL WATER MAINS TO BE UPVC CLASS 12.
 - BEDDING AS FOR FLEXIBLE PIPES
 - DEPTH OF COVER TO TOP OF PIPE: 1m MINIMUM

REFERENCES:
A89083-0000-DRG-CC-601-WATER RETICULATION LAYOUT



Plot Date: 17/10/2022 2:43:32 pm
 Office: ZACPT
 File Name: C:\Users\SAATHA.D\BANTU\DRAWINGS\DOCUMENTS\GRAPHICS AND DESIGN\PROJECTS\CAPE WINLANDS AIRPORT\2025 - MASTER PLAN REV 1\A89083-0000-DRG-CC-601-CC-601-01 CONCEPT LAYOUT WATER RETICULATION BOREHOLE CONNECTION.DWG

		DISCLAIMER IF CONSTRUCTION DRAWINGS ARE ISSUED UNSIGNED, THE MASTER WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE ZUTARI OFFICE OF THE APPROVER	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>REVISION DETAILS</th> </tr> </thead> <tbody> <tr><td>A</td><td>18/02/22</td><td>FOR INFORMATION</td></tr> <tr><td>B</td><td>22/02/22</td><td>FOR INFORMATION</td></tr> <tr><td>C</td><td>12/08/22</td><td>FOR INFORMATION</td></tr> <tr><td>D</td><td>19/10/23</td><td>FOR INFORMATION</td></tr> <tr><td>E</td><td>24/05/24</td><td>FOR INFORMATION</td></tr> <tr><td>F</td><td>12/08/24</td><td>FOR INFORMATION</td></tr> <tr><td>G</td><td>23/01/25</td><td>FOR INFORMATION</td></tr> </tbody> </table>	REV	DATE	REVISION DETAILS	A	18/02/22	FOR INFORMATION	B	22/02/22	FOR INFORMATION	C	12/08/22	FOR INFORMATION	D	19/10/23	FOR INFORMATION	E	24/05/24	FOR INFORMATION	F	12/08/24	FOR INFORMATION	G	23/01/25	FOR INFORMATION	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>APPROVED</th> <th>SCALE</th> <th>SIZE</th> </tr> </thead> <tbody> <tr> <td>C. TALIP</td> <td>1:7500</td> <td>A1</td> </tr> <tr> <td>DRAWN</td> <td>S. BADENHORST</td> <td></td> </tr> <tr> <td>DESIGNED</td> <td>M. HAWKES / M. ALBERTYN</td> <td></td> </tr> <tr> <td>REVIEWED</td> <td>C. TALIP</td> <td></td> </tr> </tbody> </table>	APPROVED	SCALE	SIZE	C. TALIP	1:7500	A1	DRAWN	S. BADENHORST		DESIGNED	M. HAWKES / M. ALBERTYN		REVIEWED	C. TALIP		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>FOR INFORMATION</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td></td> <td>C. TALIP</td> </tr> </tbody> </table>	FOR INFORMATION	APPROVED		C. TALIP	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>PROJECT</th> <th>TITLE</th> </tr> </thead> <tbody> <tr> <td>CAPE WINLANDS AIRPORT</td> <td>CONCEPT WATER SUPPLY LAYOUT</td> </tr> </tbody> </table>	PROJECT	TITLE	CAPE WINLANDS AIRPORT	CONCEPT WATER SUPPLY LAYOUT
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- INFRASTRUCTURE**
1. NON POTABLE STORAGE TANK
SIZE: 2.9 ML FOOTPRINT: 2500m²
 2. PACKAGE WASTE WATER TREATMENT PLANT
SIZE: 1260 kL/day FOOTPRINT: 500m²
 3. PUMP STATION
SIZE: 15L/s FOOTPRINT: 315m²
 4. PRIMARY SETTLING TANK
FOOTPRINT: 272m²
 5. BRINE EVAPORATION POND
FOOTPRINT: 1136m²
 6. SLUDGE PROCESSING AREA
FOOTPRINT: 200m²
 7. EMERGENCY OVERTFLOW STORAGE POND
SIZE: 1260m³ FOOTPRINT: 2565m²

LEGEND

	CWA SITE BOUNDARY
	PROPOSED CADASTRAL
	EXISTING CADASTRAL
	PROPOSED FOUL SEWER GRAVITY MAINS
	PROPOSED FOUL SEWER MANHOLES
	PROPOSED FOUL SEWER RISING MAIN
	PROPOSED TREATED EFFLUENT MAIN

- SEWER NOTES:**
1. ALL GRAVITY MAINS TO BE uPVC HEAVY DUTY CLASS 34 PIPES COMPLYING TO SANS 791.
 2. PIPE BEDDING: CLASS B BEDDING
 3. DEPTH OF COVER TO PIPE: 1m MINIMUM
 4. NO BENDS PERMITTED IN GRAVITY PIPE NETWORK

INSET A: WASTE WATER TREATMENT AREA
SCALE 1:1000

File Name: C:\Users\A.M.H. DABANTU\Documents\DRAWINGS\2025 - MASTER PLAN REV1\589083-0000-DRG-CC-11-15-12-CONCEPT LAYOUT FOUL SEWER.DWG
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 Office: ZACPT

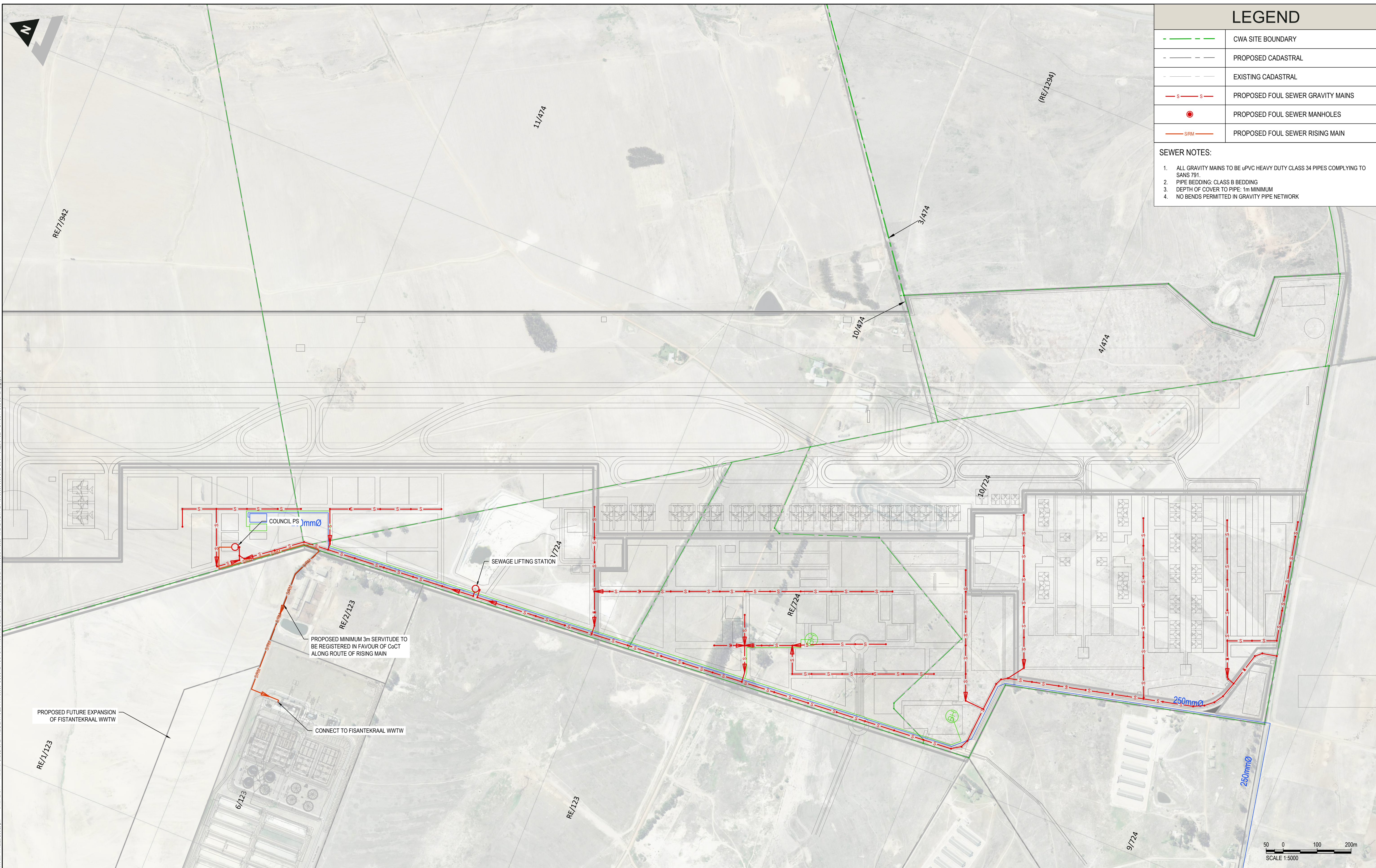
 ZUTARI IMPACT. ENGINEERED.	 CAPE WINELANDS AERO	<p>DISCLAIMER</p> IF CONSTRUCTION DRAWINGS ARE ISSUED UNSIGNED, THE MASTER WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE ZUTARI OFFICE OF THE APPROVER	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>REVISION DETAILS</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>24/06/24</td> <td>FOR INFORMATION</td> </tr> <tr> <td>B</td> <td>12/08/24</td> <td>FOR INFORMATION</td> </tr> <tr> <td>C</td> <td>23/01/25</td> <td>FOR INFORMATION</td> </tr> </tbody> </table>	REV	DATE	REVISION DETAILS	A	24/06/24	FOR INFORMATION	B	12/08/24	FOR INFORMATION	C	23/01/25	FOR INFORMATION	<p>APPROVED</p> C. TALIP C. TALIP C. TALIP	<p>SCALE</p> 1:5000 A1	<p>FOR INFORMATION</p>	<p>PROJECT</p> CAPE WINELANDS AIRPORT
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<p>DRAWN</p> MC. ALBERTYN	<p>DESIGNED</p> M. HAWKES/MC. ALBERTYN	<p>REVIEWED</p> C. TALIP	<p>APPROVED</p> C. TALIP	<p>DATE</p> ECSA Pt Eng 20160091	<p>TITLE</p> CONCEPT LAYOUT FOUL SEWER OPTION 1 (ON SITE TREATMENT)														
<p>DRAWING No. A89083 - 0000 - DRG - CC - 511 - C</p>		<p>PROJECT No. A89083 - 0000 - DRG - CC - 511 - C</p>		<p>WBS 0000</p>		<p>TYPE DRG</p>		<p>DISC CC</p>		<p>NUMBER 511</p>		<p>REV C</p>							

LEGEND

	CWA SITE BOUNDARY
	PROPOSED CADASTRAL
	EXISTING CADASTRAL
	PROPOSED FOUL SEWER GRAVITY MAINS
	PROPOSED FOUL SEWER MANHOLES
	PROPOSED FOUL SEWER RISING MAIN

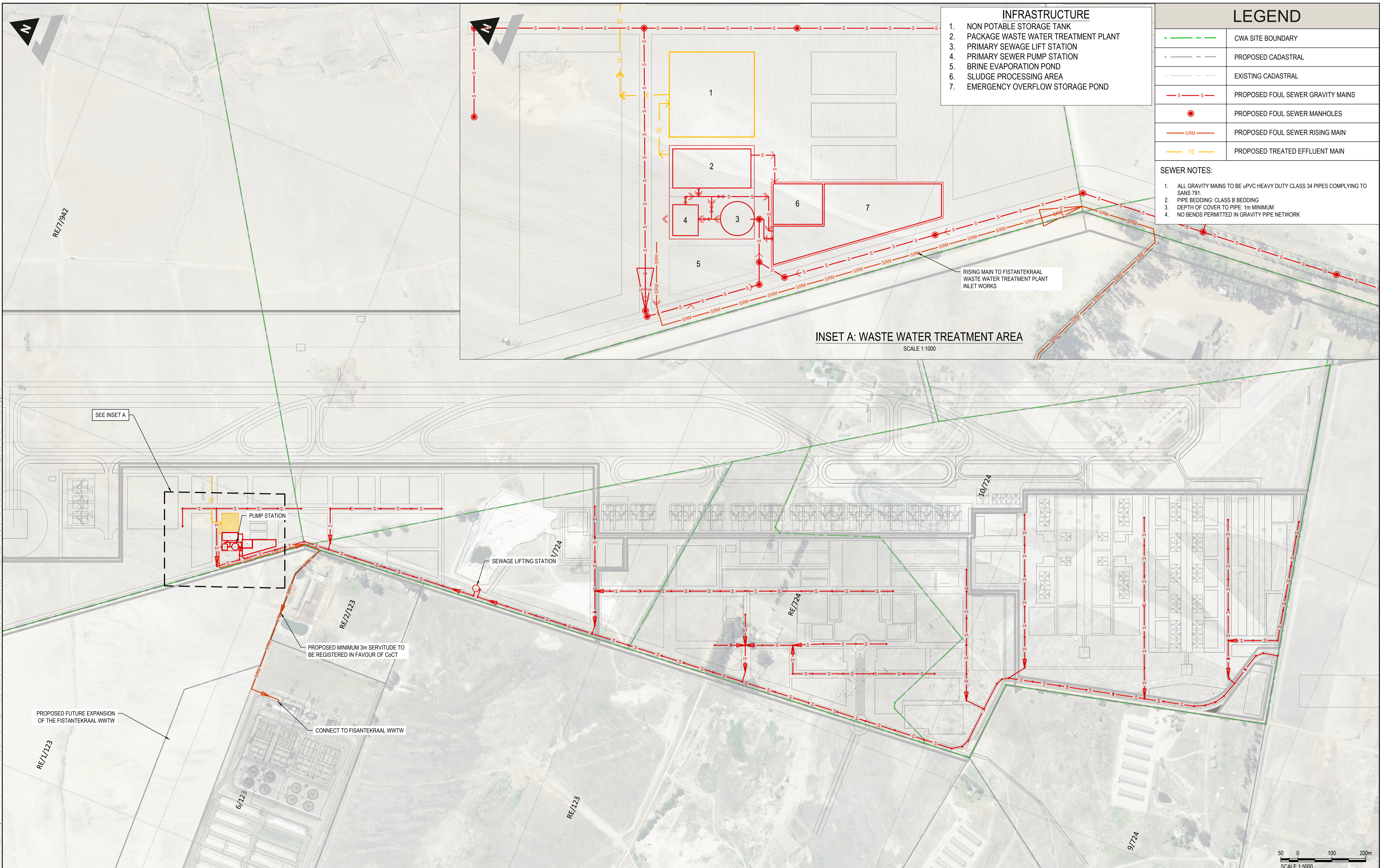
SEWER NOTES:

1. ALL GRAVITY MAINS TO BE uPVC HEAVY DUTY CLASS 34 PIPES COMPLYING TO SANS 791.
2. PIPE BEDDING: CLASS B BEDDING
3. DEPTH OF COVER TO PIPE: 1m MINIMUM
4. NO BENDS PERMITTED IN GRAVITY PIPE NETWORK



Plot Date: 17/10/2022 2:53:28 pm
 Office: ZACPT
 File Name: C:\USERS\ALITHA.D\BANTU\01\TARAKA003 - DOCUMENTS\4 - DOCUMENTS\4 - GRAPHICS AND DESIGN\01\DEL\01\CADD\DRAWINGS\2025 - MASTER PLAN REV15\A89083-0000.DWG-CC-1151512-CONCEPT LAYOUT FOUL SEWER.DWG

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A89083		0000	DRG	CC	512	C																										



- INFRASTRUCTURE**
- NON POTABLE STORAGE TANK
 - PACKAGE WASTE WATER TREATMENT PLANT
 - PRIMARY SEWAGE LIFT STATION
 - BRINE EVAPORATION POND
 - SLUDGE PROCESSING AREA
 - EMERGENCY OVERFLOW STORAGE POND

LEGEND

	CWA SITE BOUNDARY
	PROPOSED CADASTRAL
	EXISTING CADASTRAL
	PROPOSED FOUL SEWER GRAVITY MAINS
	PROPOSED FOUL SEWER MANHOLES
	PROPOSED FOUL SEWER RISING MAIN
	PROPOSED TREATED EFFLUENT MAIN

- SEWER NOTES:**
- ALL GRAVITY MAINS TO BE uPVC HEAVY DUTY CLASS 34 PIPES COMPLYING TO SANS 791.
 - PIPE BEDDING: CLASS B BEDDING
 - DEPTH OF COVER TO PIPE: 1m MINIMUM
 - NO BENDS PERMITTED IN GRAVITY PIPE NETWORK

INSET A: WASTE WATER TREATMENT AREA
SCALE 1:1000

50 0 100 200m
SCALE 1:5000

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 Office: ZACPT

<p>ZUTARI IMPACT. ENGINEERED.</p>		<p>CLIENT</p>	<p>DISCLAIMER</p> <p>IF CONSTRUCTION DRAWINGS ARE ISSUED UNSIGNED, THE MASTER WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE ZUTARI OFFICE OF THE APPROVER</p>	<p>REV</p> <table border="1"> <tr> <th>REV</th> <th>DATE</th> <th>REVISION DETAILS</th> </tr> <tr> <td>A</td> <td>23/01/25</td> <td>FOR INFORMATION</td> </tr> </table>	REV	DATE	REVISION DETAILS	A	23/01/25	FOR INFORMATION	<p>APPROVED</p> <p>C. TALIP</p>	<p>SCALE</p> <p>1:5000</p>	<p>SIZE</p> <p>A1</p>	<p>FOR INFORMATION</p>	<p>PROJECT</p> <p>CAPE WINELANDS AIRPORT</p>
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A	23/01/25	FOR INFORMATION													
<p>DESIGNED</p> <p>H. BHIKHA</p>	<p>REVIEWED</p> <p>C. TALIP</p>	<p>APPROVED</p> <p>C. TALIP</p>	<p>DATE</p> <p>ECSA Pt Eng 20160091</p>	<p>TITLE</p> <p>CONCEPT LAYOUT FOUL SEWER OPTION 3 (PREFERRED)</p>	<p>DRAWING No.</p> <p>A89083</p>	<p>PROJECT No.</p> <p>0000</p>	<p>WBS</p> <p>DRG</p>	<p>TYPE</p> <p>CC</p>	<p>DISC</p> <p>513</p>	<p>NUMBER</p> <p>513</p>	<p>REV</p> <p>A</p>				



POND 5
 SURFACE AREA(m²): 6300
 DEPTH(m): 2.0
 ATTENUATION VOLUME(m³): 10800

POND 6
 SURFACE AREA(m²): 500
 DEPTH(m): 1.0
 ATTENUATION VOLUME(m³): 350

POND 7
 SURFACE AREA(m²): 1150
 DEPTH(m): 1.5
 ATTENUATION VOLUME(m³): 1550

POND 8
 SURFACE AREA(m²): 2700
 DEPTH(m): 2.0
 ATTENUATION VOLUME(m³): 4200

POND 3
 SURFACE AREA(m²): 5700
 DEPTH(m): 2.0
 ATTENUATION VOLUME(m³): 9 600

POND 2:
 CONVERT QUARRY INTO A WET POND
 DRAIN ALL SITE STORMWATER TO POND

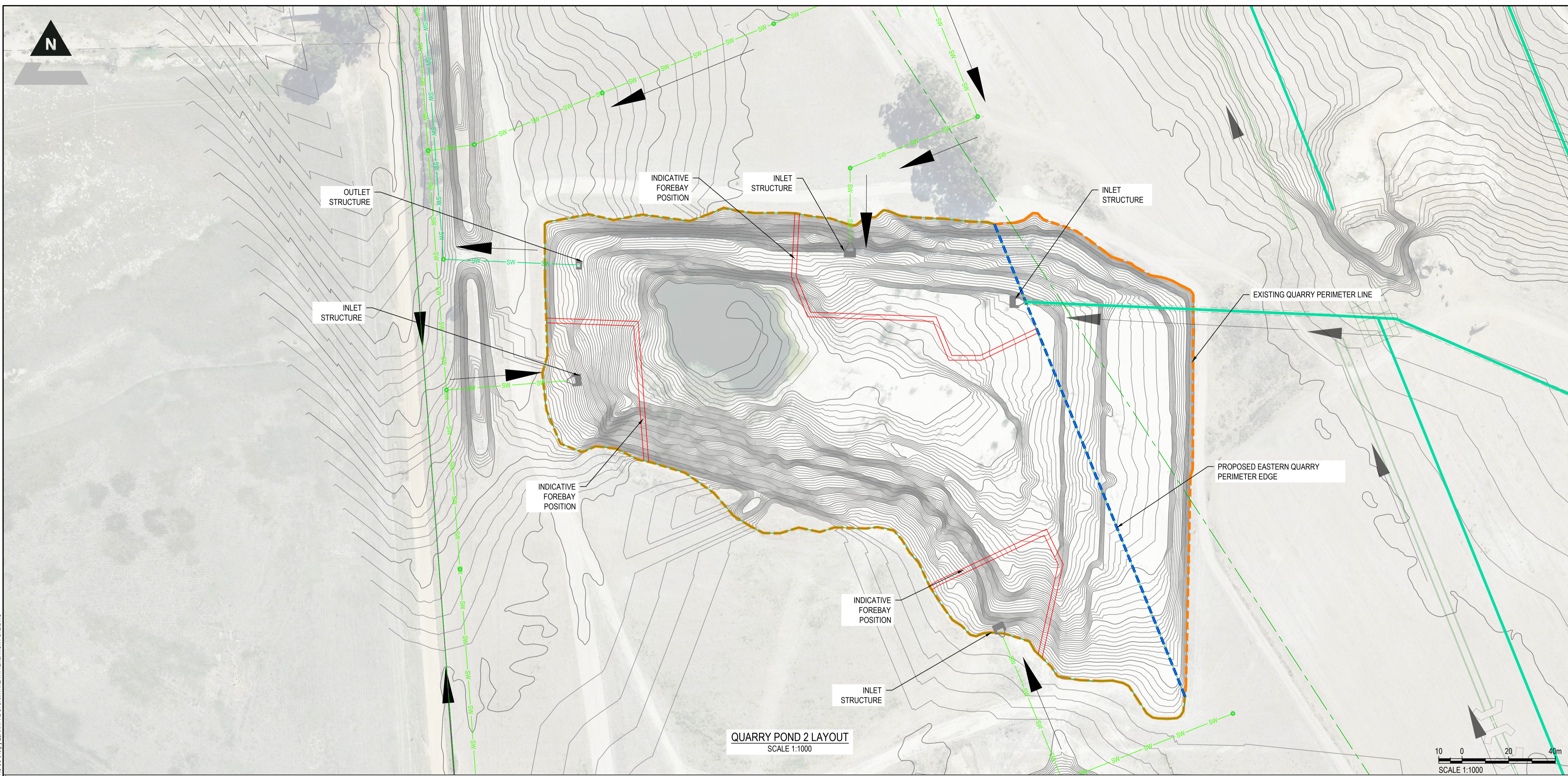
POND 2
 SURFACE AREA(m²): 28 000
 DEPTH(m): 5.0
 ATTENUATION VOLUME(m³): 95 000

POND 4
 SURFACE AREA(m²): 1800
 DEPTH(m): 1.5
 ATTENUATION VOLUME(m³): 2100

POND 1
 SURFACE AREA(m²): 7000
 DEPTH(m): 2
 ATTENUATION VOLUME(m³): 10800

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		DRAWN MC. ALBERTYN	DESIGNED A. VAN DER NEST	REVIEWED C. TALIP	APPROVED DATE ECISA Pt Eng 20160091	TITLE CONCEPT STORMWATER PONDS LAYOUT	DRAWING No. PROJECT No. WBS TYPE DISC NUMBER REV A89083 0000 DRG CC 303 D	



QUARRY POND 2 LAYOUT
SCALE 1:1000

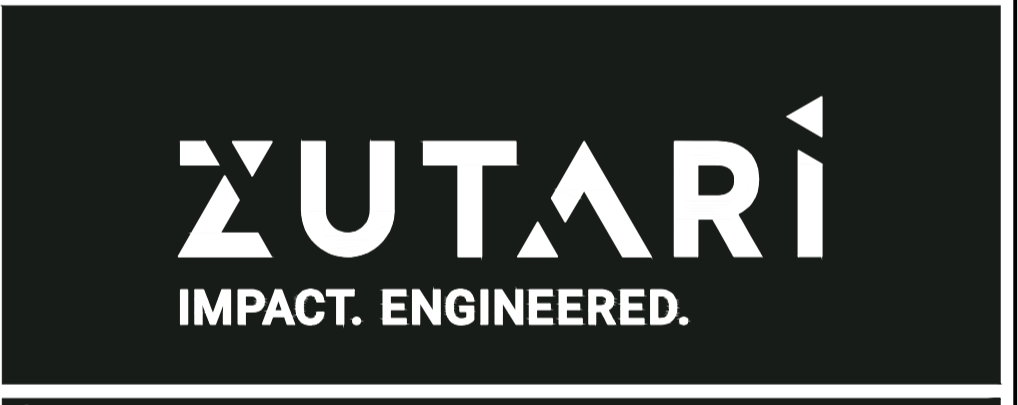
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THE MASTER WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE ZUTARI OFFICE OF THE APPROVER

- NOTES:**
1. THE PROPOSED BENCHES AND ELEMENTS SEEN IN THIS DRAWING IS SUBJECT TO CHANGE FOLLOWING DETAILED DESIGN.
 2. ALL ELEMENTS ARE ALSO SUBJECT TO APPROVAL FROM COCT'S CATCHMENTS MANGER.
 3. ALL RELEVANT PARTIES TO BE CONSULTED, FOR EXAMPLE BIRD STRIKE CONSULTANT.

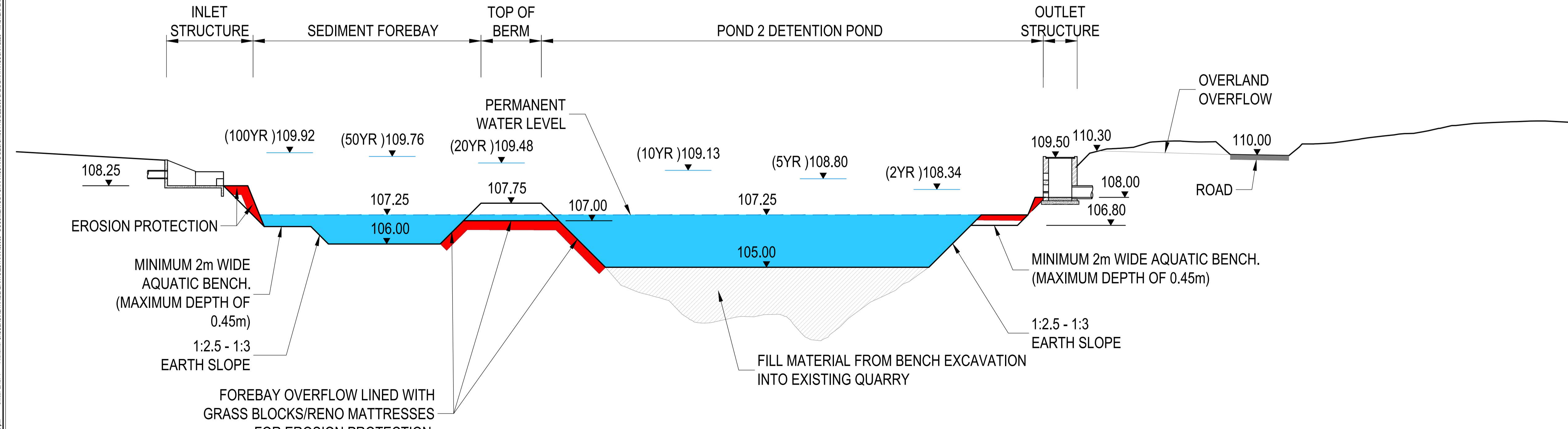
LEGEND

	PROPOSED STORMWATER PIPES
	PROPOSED STORMWATER MANHOLES
	PROPOSED CATCHPITS / GRIDINLETS
	AIRSIDE STORMWATER DRAINS
	CWA SITE BOUNDARY
	PROPOSED CADASTRAL
	EXISTING CADASTRAL

REFERENCE:
A89083-0000-DRG-CC-302-CONCEPT STORMWATER LAYOUT
A89083-0000-DRG-CC-303-CONCEPT STORMWATER PONDS LAYOUT



CLIENT



TYPICAL CROSS SECTION
SCALE 1:500

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B	28/11/22	FOR INFORMATION	C. TALIP
C	13/03/23	FOR INFORMATION	C. TALIP
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F	23/01/25	FOR INFORMATION	C. TALIP

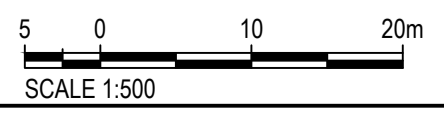
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DESIGNED	A. VAN DER NEST	DATE	
REVIEWED	C. TALIP	ECSA Pr Eng	2016091

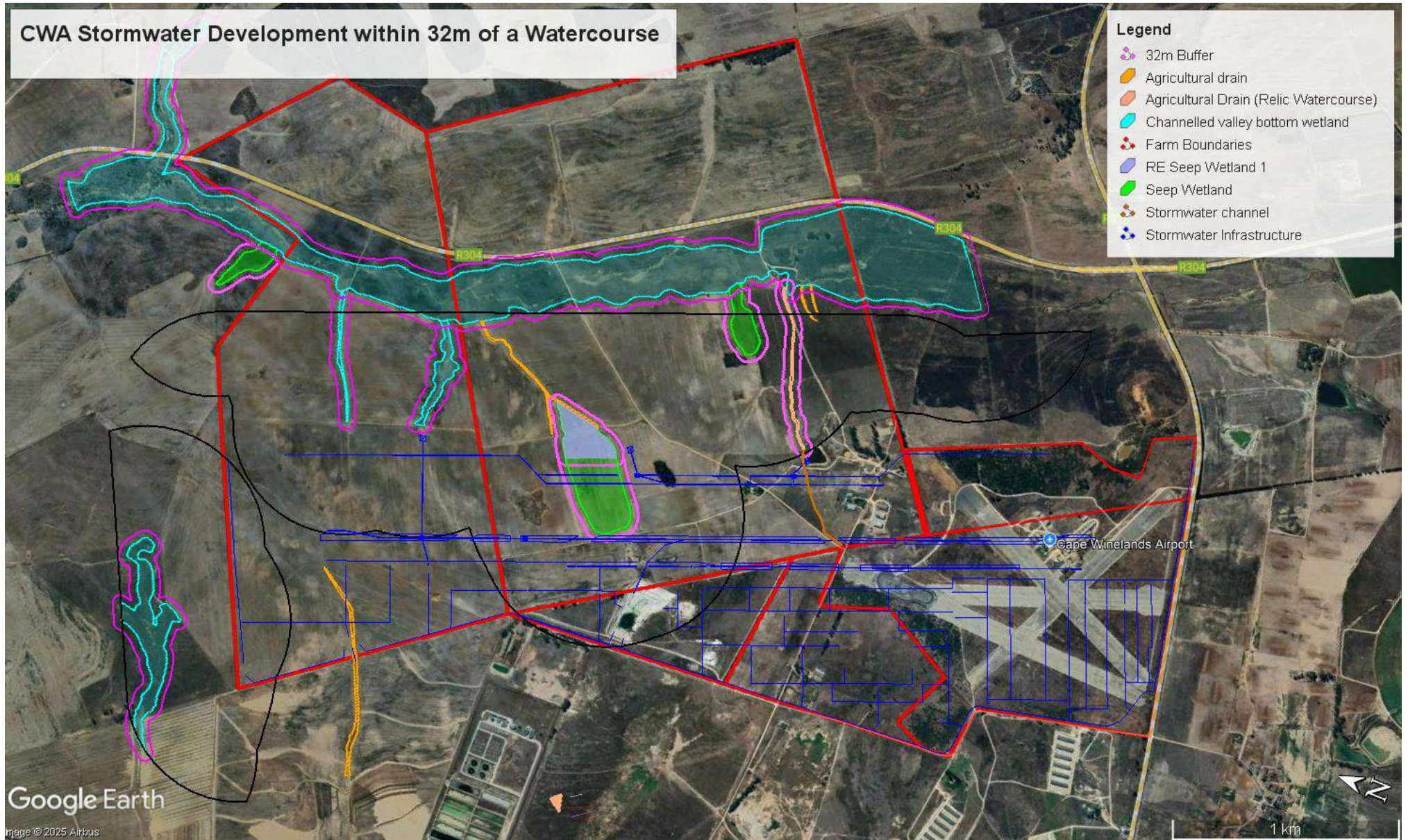
PROJECT
CAPE WINELANDS AIRPORT







TITLE
QUARRY AS STORMWATER ATTENUATION POND

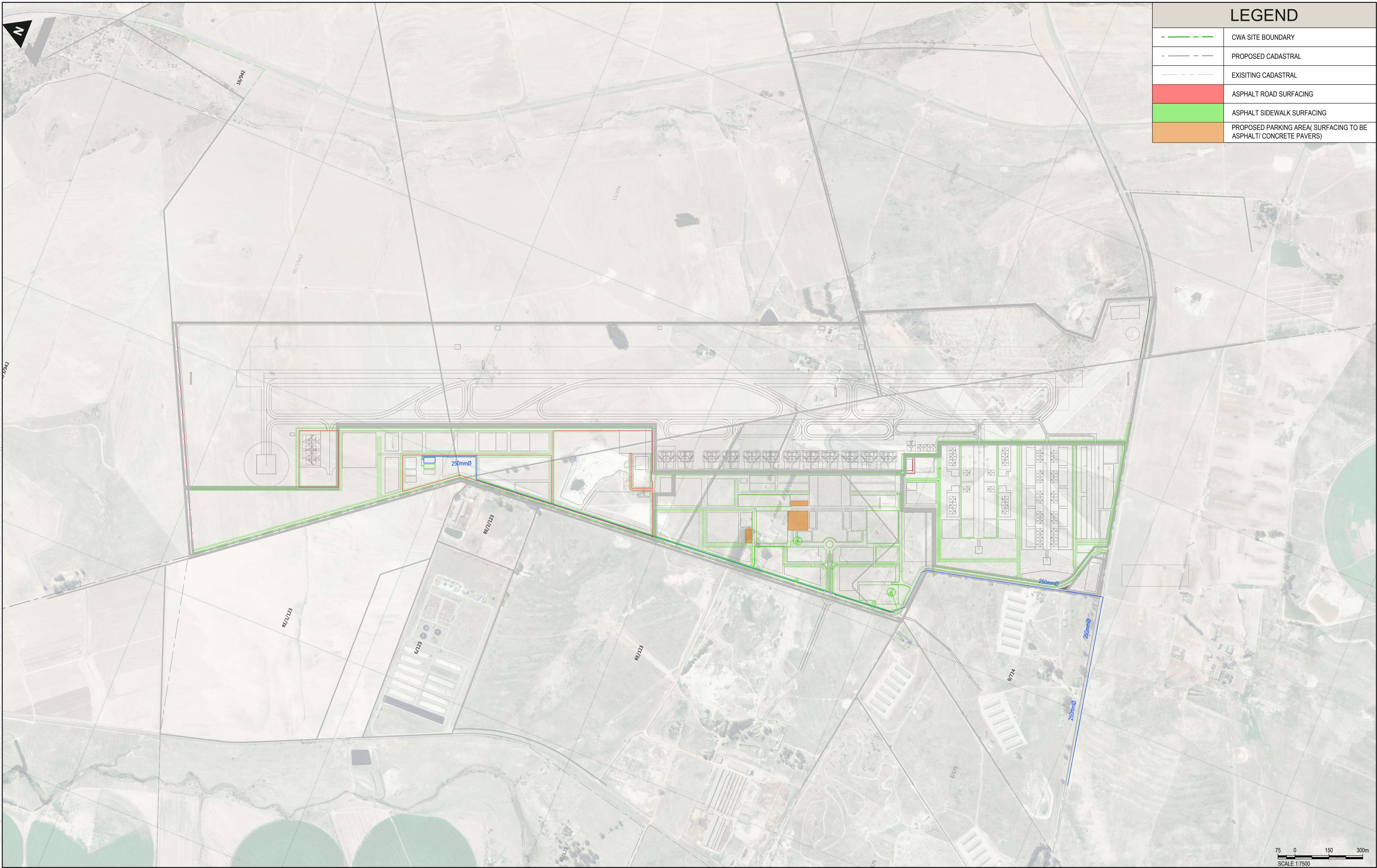
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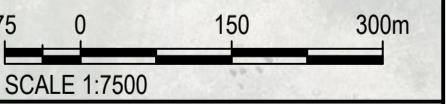
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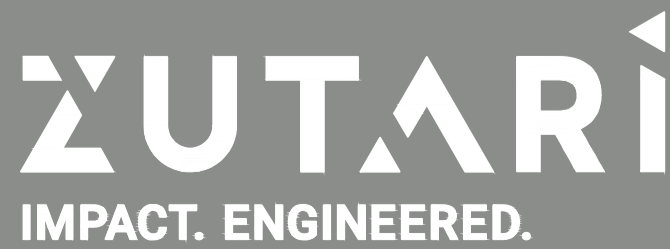



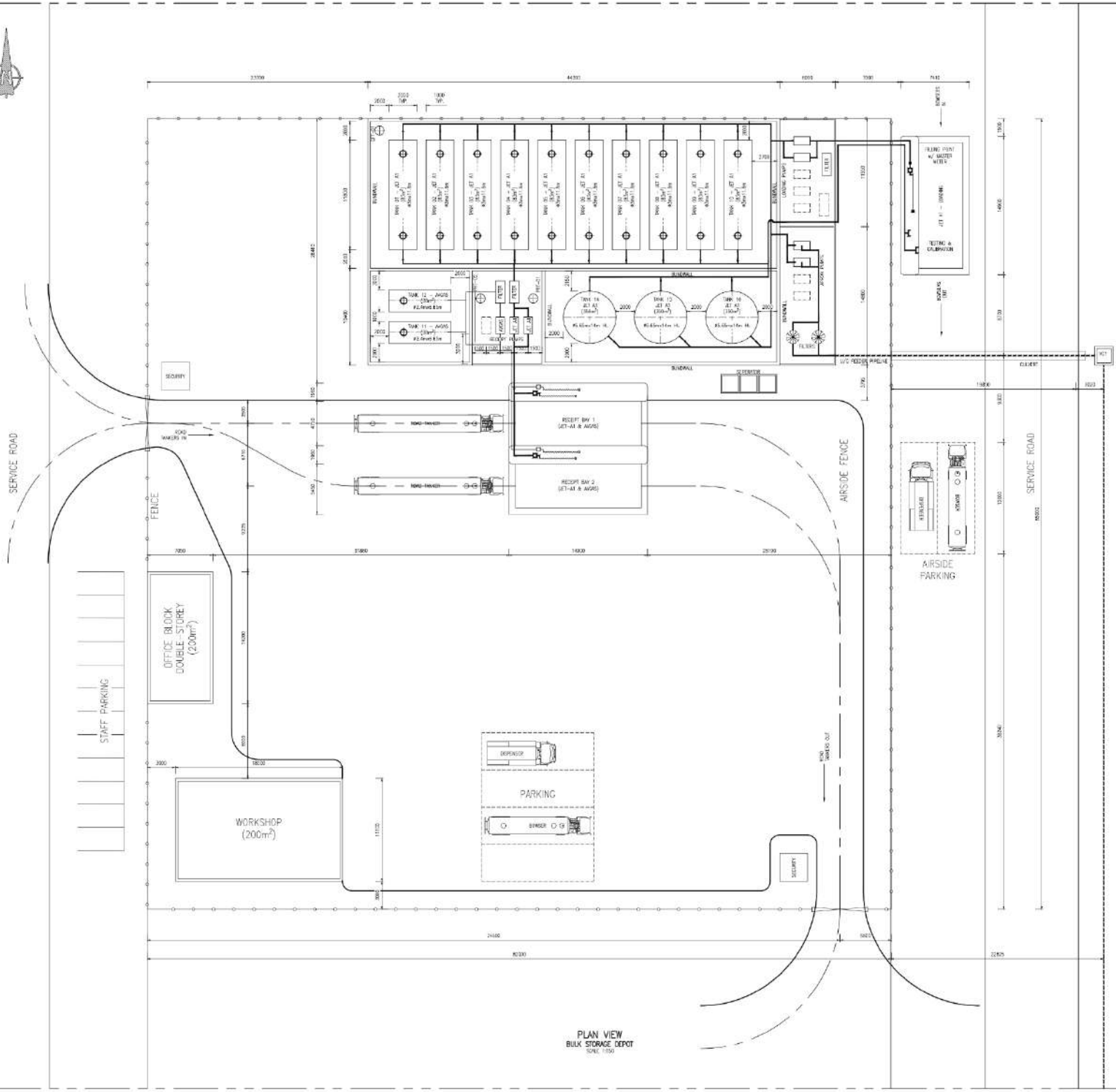
LEGEND	
	CWA SITE BOUNDARY
	PROPOSED CADASTRAL
	EXISTING CADASTRAL
	ASPHALT ROAD SURFACING
	ASPHALT SIDEWALK SURFACING
	PROPOSED PARKING AREA(SURFACING TO BE ASPHALT/ CONCRETE PAVERS)



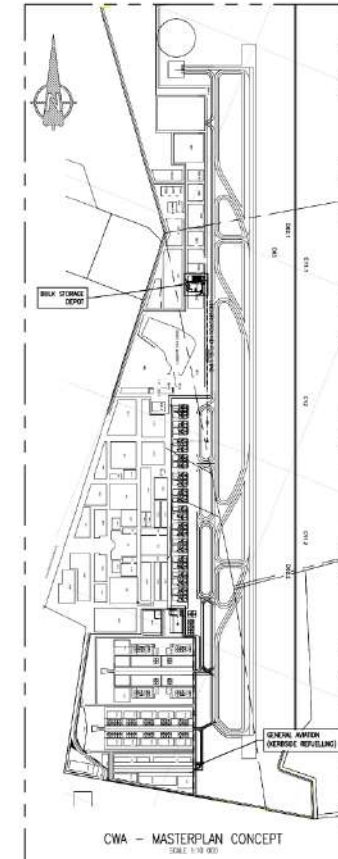
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 <p>ZUTARI IMPACT. ENGINEERED.</p>		<p>DISCLAIMER IF CONSTRUCTION DRAWINGS ARE ISSUED UNSIGNED, THE MASTER WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE ZUTARI OFFICE OF THE APPROVER</p>	<p>REV DATE REVISION DETAILS</p> <p>A 18/01/22 FOR INFORMATION</p> <p>B 07/04/22 FOR INFORMATION</p> <p>C 12/08/22 FOR INFORMATION</p> <p>D 19/10/23 FOR INFORMATION</p> <p>E 12/08/24 FOR INFORMATION</p> <p>F 23/01/25 FOR INFORMATION</p>	<p>APPROVED</p> <p>C. TALIP</p> <p>C. TALIP</p> <p>C. TALIP</p> <p>C. TALIP</p> <p>C. TALIP</p> <p>C. TALIP</p>	<p>SCALE SIZE</p> <p>1:7500 A1</p>	<p>FOR INFORMATION</p>	<p>PROJECT CAPE WINELANDS AIRPORT</p>
			<p>APPROVED DATE</p> <p>C. TALIP ECSA Pt Eng 20160091</p>	<p>TITLE CONCEPT LAYOUT ROADS</p>	<p>DRAWING No. PROJECT No. WBS TYPE DISC NUMBER REV</p> <p>A89083 - 0000 - DRG - CC - 200 - F</p>		



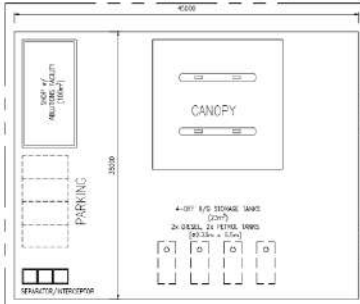
PLAN VIEW
BULK STORAGE DEPOT
SCALE 1:100



CWA - MASTERPLAN CONCEPT
SCALE 1:10 000



PLAN VIEW
GENERAL AVIATION
(KERBSIDE REFUELLING)
SCALE 1:150



PLAN VIEW
COMMERCIAL/RETAIL SERVICE STATION
SCALE 1:250

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OF KANTLEY & TEMPLER.

REFERENCE DRAWING:
16736P-100 - HAUL CHAMBER LAYOUT

NOTES:

27

NO.	DATE	BY	CHKD.	APP.
1	15/04/2014	SM	SM	SM
2	15/04/2014	SM	SM	SM
3	15/04/2014	SM	SM	SM
4	15/04/2014	SM	SM	SM
5	15/04/2014	SM	SM	SM

DESCRIPTION	DATE	BY	CHKD.	APP.
DESIGNED	15/04/2014	SM	SM	SM
CHECKED	15/04/2014	SM	SM	SM
APPROVED	15/04/2014	SM	SM	SM
DATE	15/04/2014	SM	SM	SM



PROJECT
CAPE WINELANDS AIRPORT

TITLE
SITE LAYOUT

SCALE : AS SHOWN AO
DRAWING No. 16736P-100 B



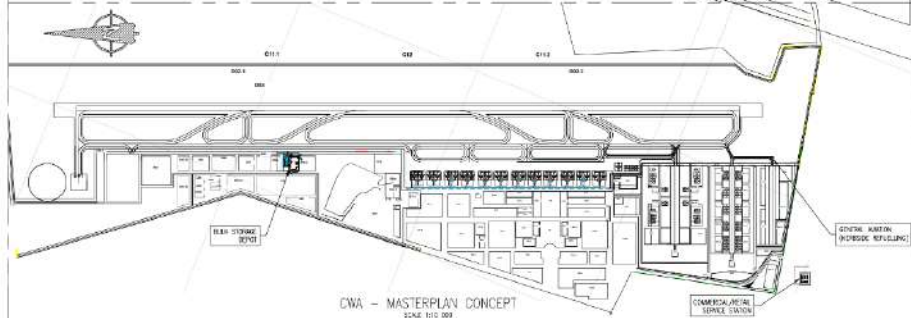
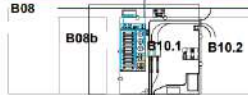
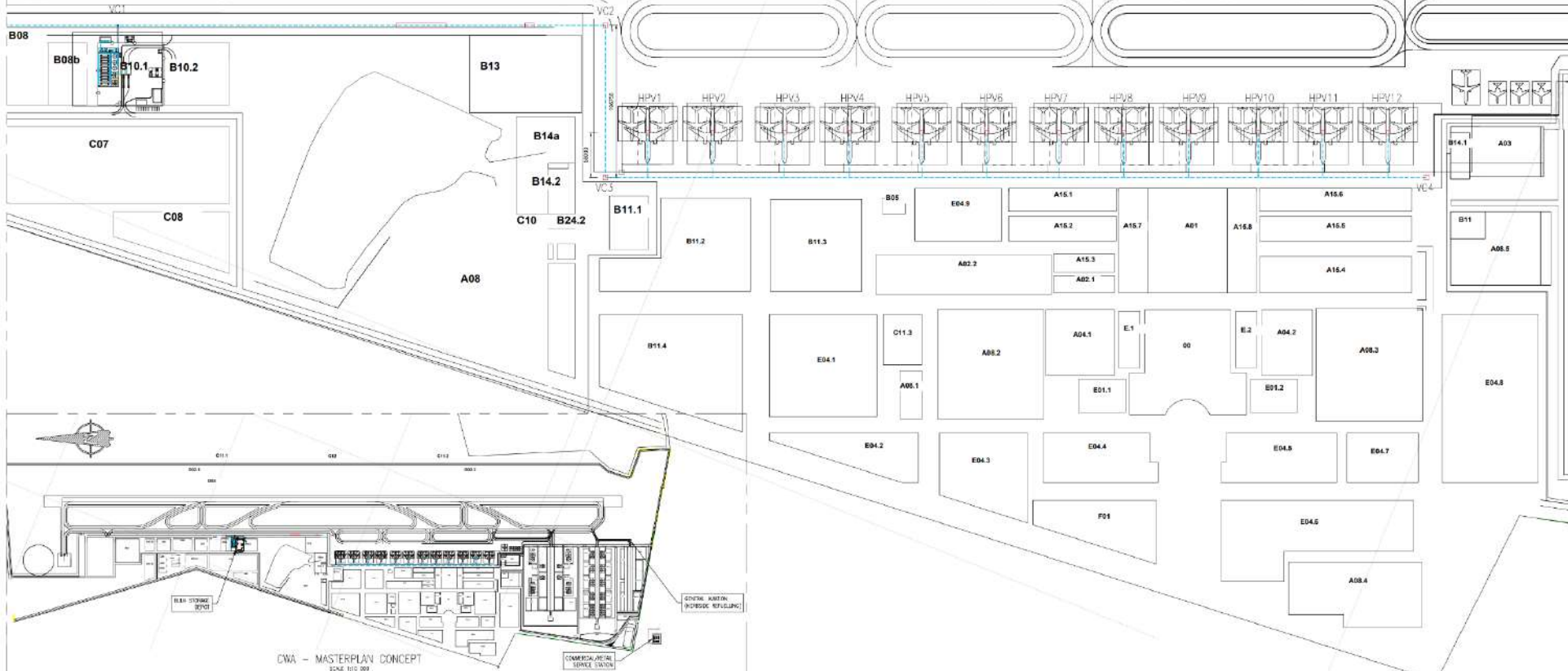
C11.1

C12

C11.2

D02.2

13



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INTERNAL COMMENTS:
14/06/2024 SITE LAYOUT

SCALE:

28

NO.	DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR LAYOUT	14/06/2024	AW	AW
2	ISSUED FOR REVIEW	14/06/2024	AW	AW
3	ISSUED FOR REVIEW	14/06/2024	AW	AW
4	ISSUED FOR REVIEW	14/06/2024	AW	AW



PROJECT
CAPE WINELANDS AIRPORT

TITLE
VALVE CHAMBER LAYOUT

SCALE 1: 1:2000

DRAWING NO. 16736P-101

LEGEND (cont...)

PHASING LINE

- AIRPORT AIR SIDE PRECINCT
- SERVICE PRECINCT
- AIRPORT TERMINAL PRECINCT
- GENERAL AVIATION PRECINCT
- BOUNDARY/FENCE LINE

ORIGINAL INDIGENOUS REMNANTS

- 1.6 ha VERY HIGH, TO REMAIN UNTOUCHED AT THE AIRPORT AIRSIDE PRECINCT.
- 0.2 ha MEDIUM, AREA TO REMAIN UNTOUCHED AT THE AIRPORT AIRSIDE PRECINCT.
- 1.6 ha MEDIUM, SOME OF AREA TO BE DESTROYED DUE TO THE RUNWAY STRIP AREA AT THE AIRPORT AIRSIDE PRECINCT.

EXTREMITIES

- RUNWAY STRIP AREA AT THE AIRPORT AIRSIDE PRECINCT.
- TAXIWAY STRIP AREA AT THE AIRPORT AIRSIDE PRECINCT.
- ILS GP BEAM FORMING AREA AT THE AIRPORT AIRSIDE PRECINCT.
- FUTURE INSTRUMENT LANDSCAPING SYSTEM FACILITIES AT THE AIRPORT AIRSIDE PRECINCT (i.e. LOCALISER, MARKER BEACONS, SIGNAGES etc) & SUB-STATIONS AROUND AIRPORT AIRSIDE ARE SUBJECT TO LATER POSITIONS & DETAIL DESIGN. LANDSCAPING AROUND THESE WILL BE KEPT TO A MINIMUM BUFFER OF 5m OFFSET OF 200mm VYGIE & ANNUALS / PERENNIALS FYNBOS GROUND COVER SPECIES.

- BRUSH-CUT FIREBREAK: 15m WIDE ALIGNING WITH THE PERIMETER ACCESS ROAD, OFFSET FROM BOUNDARY, NOT ENCROACHING INTO INDIGENOUS REMNANTS AREAS.

NOTES

NO	DATE	REVISION	BY
1			
2			
3			

LEGEND

SOFT LANDSCAPE

- TREES IN PARKING AREA AT THE AIRPORT TERMINAL PRECINCT.
- BOUNDARY/EDGE TREES AT THE SERVICE PRECINCT, AIRPORT TERMINAL PRECINCT & GENERAL AVIATION PRECINCT.
- TREE CLUSTERS AT THE SERVICE PRECINCT, TERMINAL PRECINCT & GENERAL AVIATION PRECINCT.
- TREES IN PAVED CUT-OUT AREAS AT THE AIRPORT TERMINAL PRECINCT.
- INDIGENOUS SHRUBS & GROUND COVER WITH BERMS/MOUNDS AT THE AIRPORT TERMINAL PRECINCT & GENERAL AVIATION PRECINCT.
- INDIGENOUS SHRUBS & GROUND COVER WITH BERMS/MOUNDS AT THE AIRPORT TERMINAL PRECINCT.
- PLANTED BERMS AT THE AIRPORT TERMINAL PRECINCT.
- HYDROSEEDDED AREAS: SAND FYNBOS & RENOSTERVELD AT THE AIRPORT AIRSIDE PRECINCT. SPECIES LIMITED TO 700mm IN MAXIMUM HEIGHT.
- VYGIE & ANNUALS/PERENNIALS FYNBOS GROUND COVER SPECIES AT THE AIRPORT AIRSIDE PRECINCT. VARIOUS SPECIES LIMITED TO 200mm IN MAXIMUM HEIGHT TO COMPLY WITH THE FRANGIBILITY REQUIREMENTS OF ICAO.
- VYGIE & ANNUALS/PERENNIALS FYNBOS GROUND COVER SPECIES AT THE AIRPORT AIRSIDE PRECINCT. VARIOUS SPECIES LIMITED TO 300mm IN MAXIMUM HEIGHT TO COMPLY WITH THE FRANGIBILITY REQUIREMENTS OF ICAO.
- SAND FYNBOS AND RENOSTERVELD REHABILITATION PLANTING AT THE SERVICE PRECINCT.
- LAWN AT THE SERVICE PRECINCT, TERMINAL PRECINCT & GENERAL AVIATION PRECINCT.
- LAWNED BERMS AT THE AIRPORT TERMINAL PRECINCT.
- ORNAMENTAL VINEYARDS AT THE AIRPORT TERMINAL PRECINCT.
- GREEN ROOFS AT THE AIRPORT TERMINAL PRECINCT.

HARD LANDSCAPE

- INTERNAL PAVED PEDESTRIAN WALKWAYS AT THE AIRPORT TERMINAL PRECINCT.
- INTERNAL PAVED PLAZA AREAS AT THE AIRPORT TERMINAL PRECINCT.
- PAVED VEHICULAR ROAD AT THE SERVICE PRECINCT, TERMINAL PRECINCT & GENERAL AVIATION PRECINCT.
- 1.8m PAVED WIDE NMT WALKWAYS AT THE SERVICE PRECINCT, TERMINAL PRECINCT & GENERAL AVIATION PRECINCT.
- 3.0m PAVED WIDE NMT WALKWAYS AT THE SERVICE PRECINCT, TERMINAL PRECINCT & GENERAL AVIATION PRECINCT.
- PAVED INTERSECTION AREAS AT THE SERVICE PRECINCT & TERMINAL PRECINCT.
- RUNWAY, TAXI & APRON ASPHALT FINISHED SURFACES AT THE AIRPORT AIRSIDE PRECINCT AND GENERAL AVIATION PRECINCT.
- AIRPORT MAINTENANCE ROAD ASPHALT FINISHED SURFACES AT THE AIRSIDE PRECINCT & SERVICE PRECINCT.
- SPACE FOR OCCASIONAL USE AND SLOPED PLANTING AT AIRPORT TERMINAL PRECINCT.
- SOLAR PHOTOVOLTAIC SOLAR PANELS OVER PARKING BAYS AT THE AIRPORT TERMINAL PRECINCT.
- INDICATIVE BUILDING ROOFSCAPE EXTENTS AT THE SERVICE PRECINCT, TERMINAL PRECINCT & GENERAL AVIATION PRECINCT.
- FUTURE DEVELOPMENT AREAS WITH INDICATIVE BUILDINGS AT THE SERVICE PRECINCT & TERMINAL PRECINCT.
- EXISTING QUARRY AT THE SERVICE PRECINCT.
- ESKOM INCOMING SUB-STATION AT THE AIRPORT AIRSIDE PRECINCT.

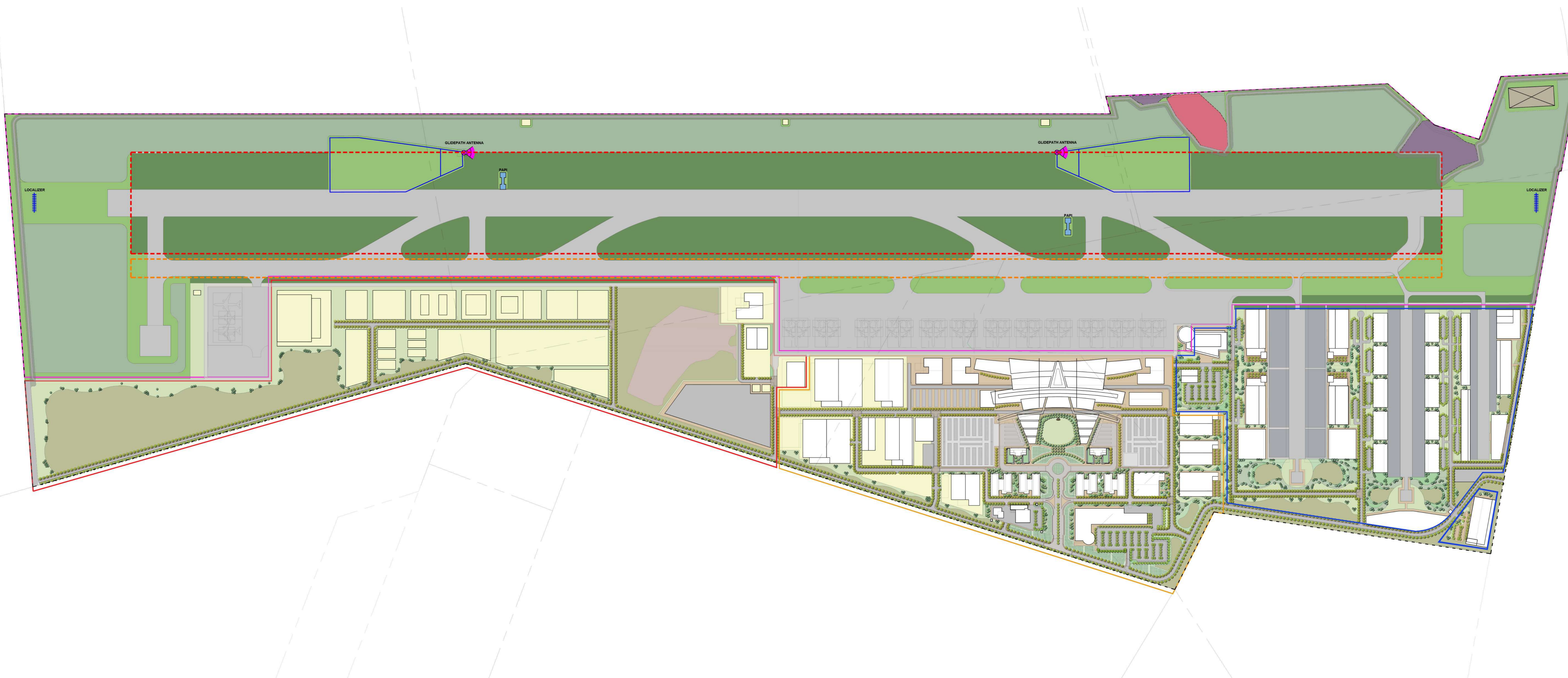
DRAFT

CAPE WINELANDS AIRPORT - PAL 4, FISANTEKRAAL

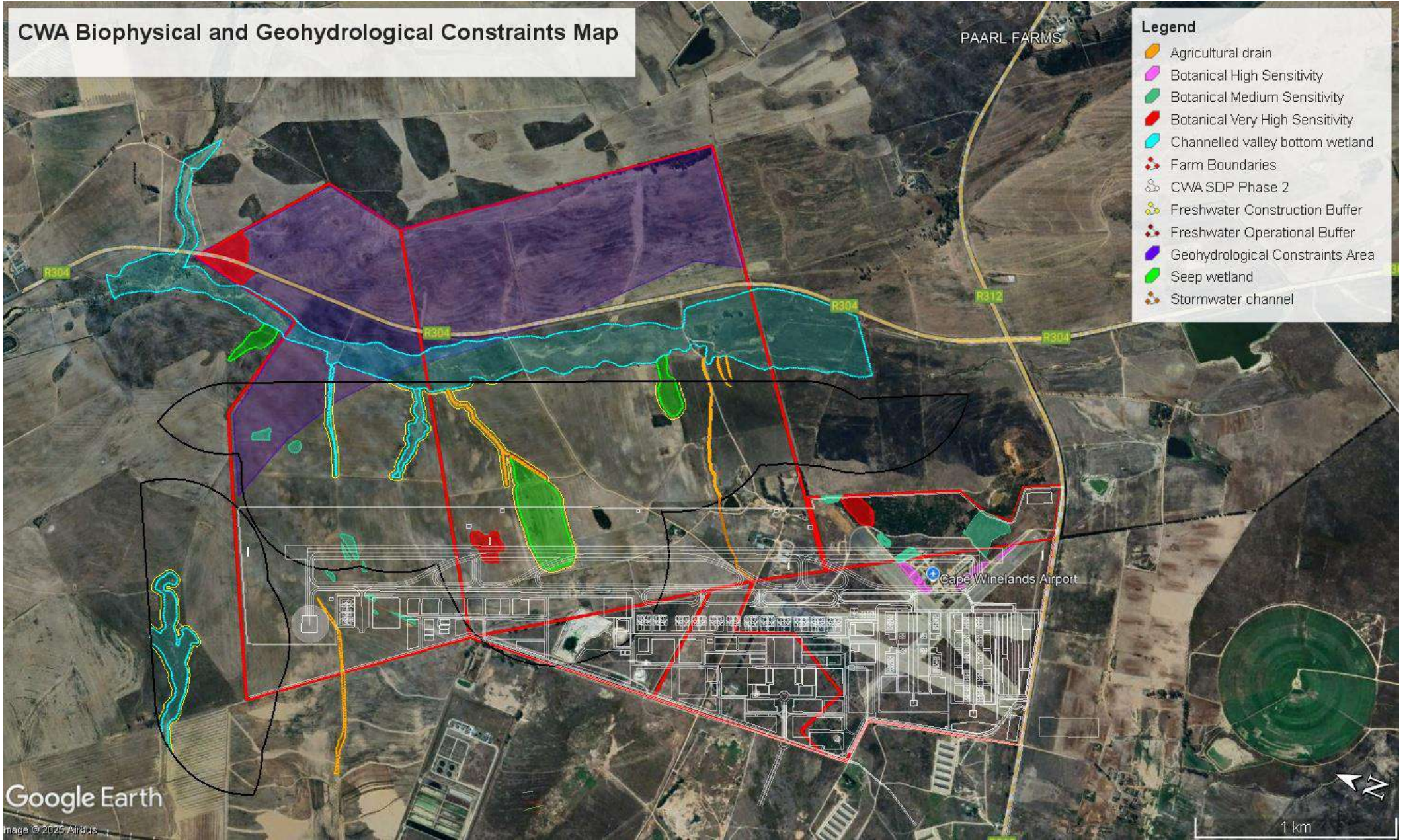
OVERALL LANDSCAPE CONCEPT PLAN

NO	DATE	REVISION	BY
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1:4500 @ A0			

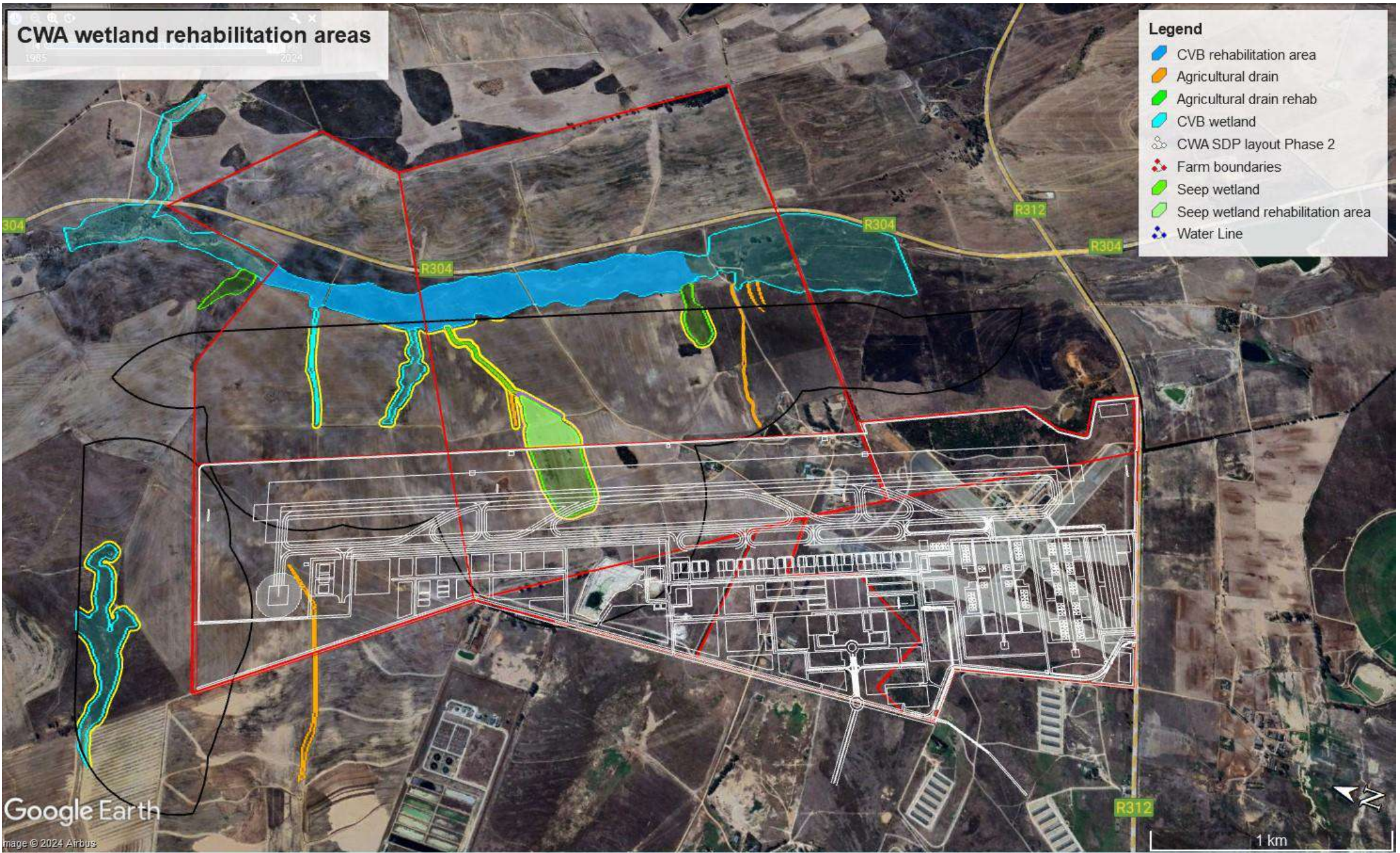
VIVID ARCHITECTS



north
LANDSCAPE PLAN
 Scale 1:4500







Coordinates along route of linear development (1 to 41 along Primary Runway 01-19; 42 to 50 along Secondary Runway 14-32)

Coordinate nr	Latitude	Longitude
Primary Runway 01-19		
1	33°44'22.90"S	18°43'48.02"E
2	33°44'25.92"S	18°43'49.36"E
3	33°44'28.96"S	18°43'50.90"E
4	33°44'32.12"S	18°43'52.28"E
5	33°44'35.33"S	18°43'53.74"E
6	33°44'38.47"S	18°43'55.44"E
7	33°44'41.62"S	18°43'57.03"E
8	33°44'44.64"S	18°43'58.62"E
9	33°44'47.81"S	18°44'0.34"E
10	33°44'50.96"S	18°44'1.93"E
11	33°44'54.08"S	18°44'3.62"E
12	33°44'57.35"S	18°44'5.11"E
13	33°45'0.51"S	18°44'6.65"E
14	33°45'3.66"S	18°44'8.24"E
15	33°45'6.80"S	18°44'9.87"E
16	33°45'9.91"S	18°44'11.24"E
17	33°45'12.99"S	18°44'12.79"E
18	33°45'16.00"S	18°44'14.45"E
19	33°45'19.03"S	18°44'15.98"E
20	33°45'22.20"S	18°44'17.57"E
21	33°45'25.40"S	18°44'19.03"E
22	33°45'28.58"S	18°44'20.79"E
23	33°45'31.87"S	18°44'22.03"E
24	33°45'34.93"S	18°44'23.58"E
25	33°45'37.85"S	18°44'25.10"E
26	33°45'40.85"S	18°44'26.47"E
27	33°45'43.87"S	18°44'28.01"E
28	33°45'47.02"S	18°44'29.30"E
29	33°45'50.16"S	18°44'30.87"E
30	33°45'53.23"S	18°44'32.41"E
31	33°45'56.28"S	18°44'33.83"E
32	33°45'59.34"S	18°44'35.37"E
33	33°46'2.41"S	18°44'36.83"E
34	33°46'5.42"S	18°44'38.36"E
35	33°46'8.50"S	18°44'39.79"E
36	33°46'11.56"S	18°44'41.20"E
37	33°46'14.64"S	18°44'42.57"E
38	33°46'17.64"S	18°44'44.00"E
39	33°46'21.03"S	18°44'44.58"E
40	33°46'24.09"S	18°44'45.98"E
41	33°46'26.05"S	18°44'46.98"E
Secondary Runway 14-32		
42	33°46'23.87"S	18°44'39.00"E
43	33°46'22.66"S	18°44'35.35"E
44	33°46'21.15"S	18°44'31.93"E
45	33°46'19.79"S	18°44'28.40"E
46	33°46'18.59"S	18°44'24.86"E
47	33°46'17.21"S	18°44'21.29"E
48	33°46'15.82"S	18°44'17.74"E
49	33°46'14.33"S	18°44'14.35"E
50	33°46'12.79"S	18°44'10.11"E

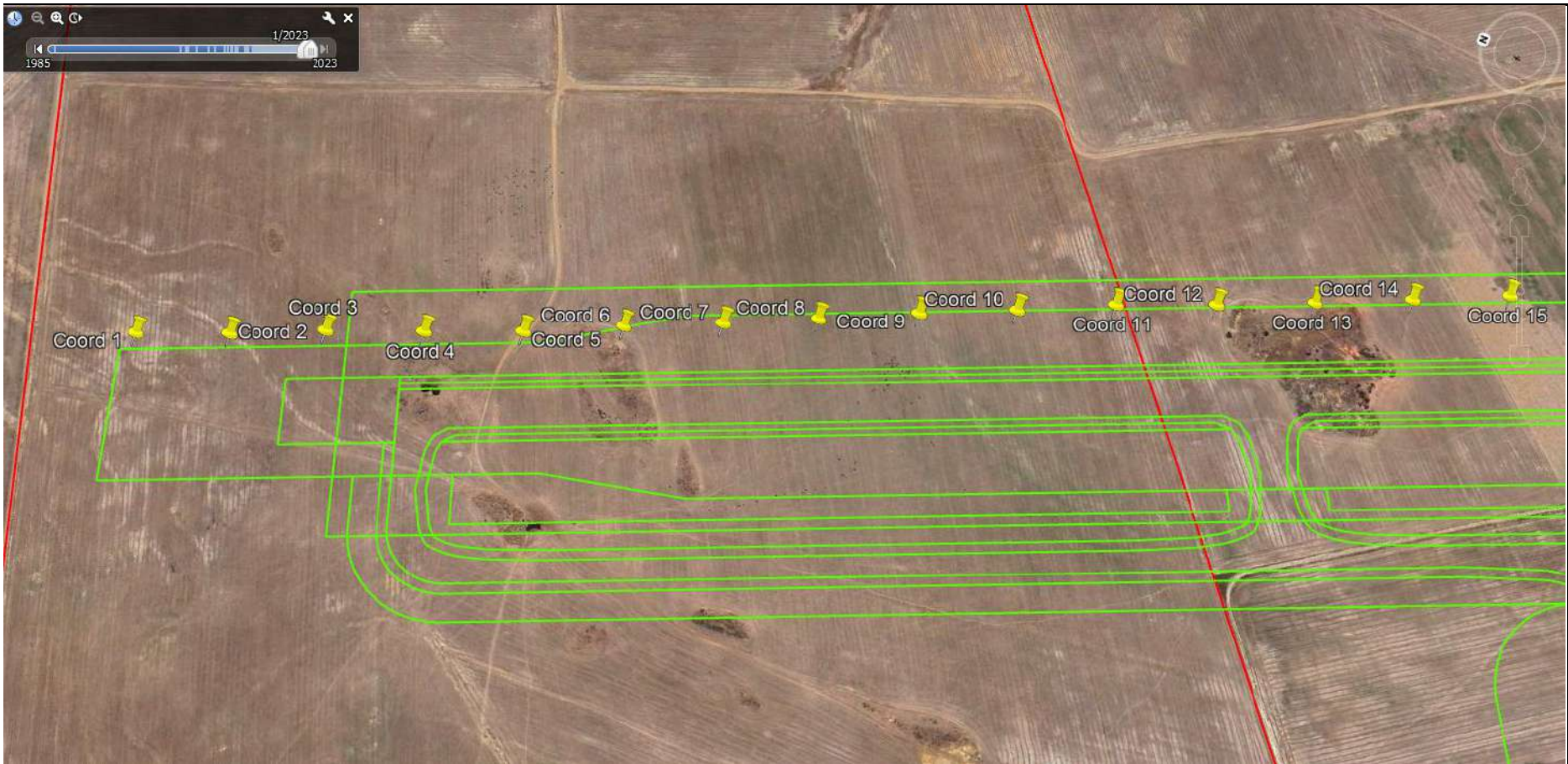


Figure 1: Coordinates 1 to 15 along Primary Runway 01-19

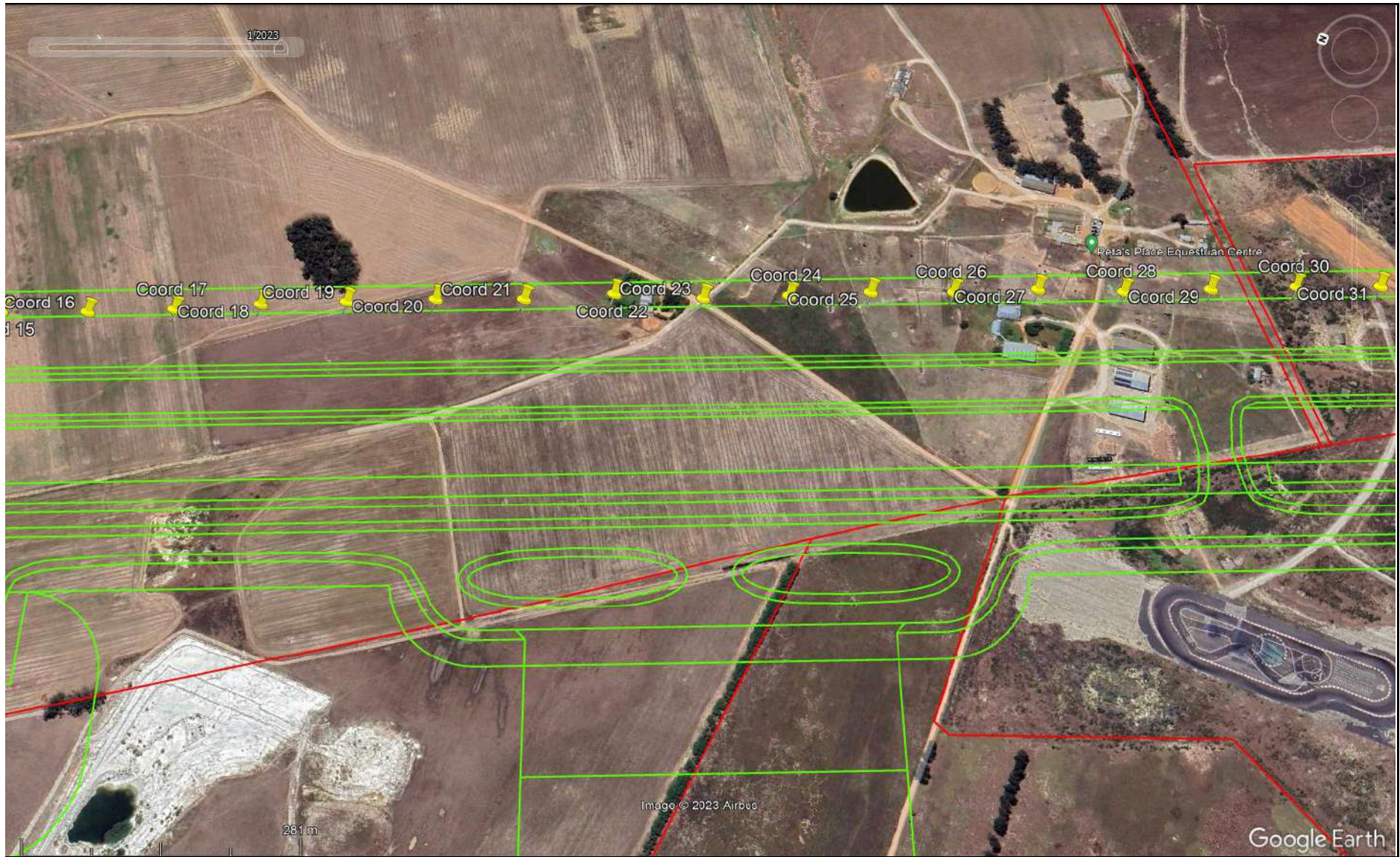


Figure 2: Coordinates 16 to 31 along Primary Runway 01-19

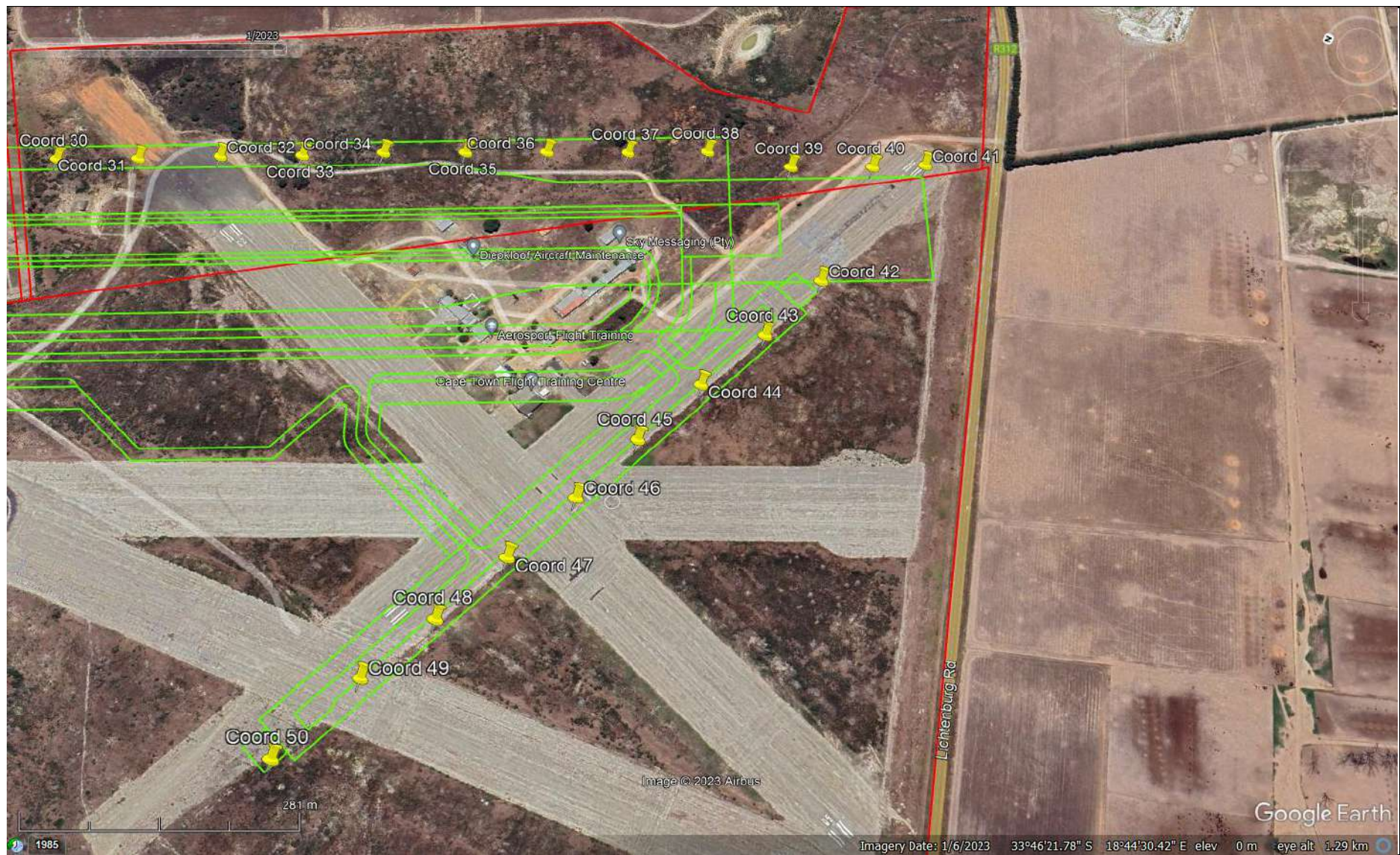


Figure 3: Coordinates 30 to 41 along Primary Runway 01-19 and Coordinates 42 to 50 along Secondary Runway 14-32