

APPENDICES



CONSULTANT



PROJECT NAME

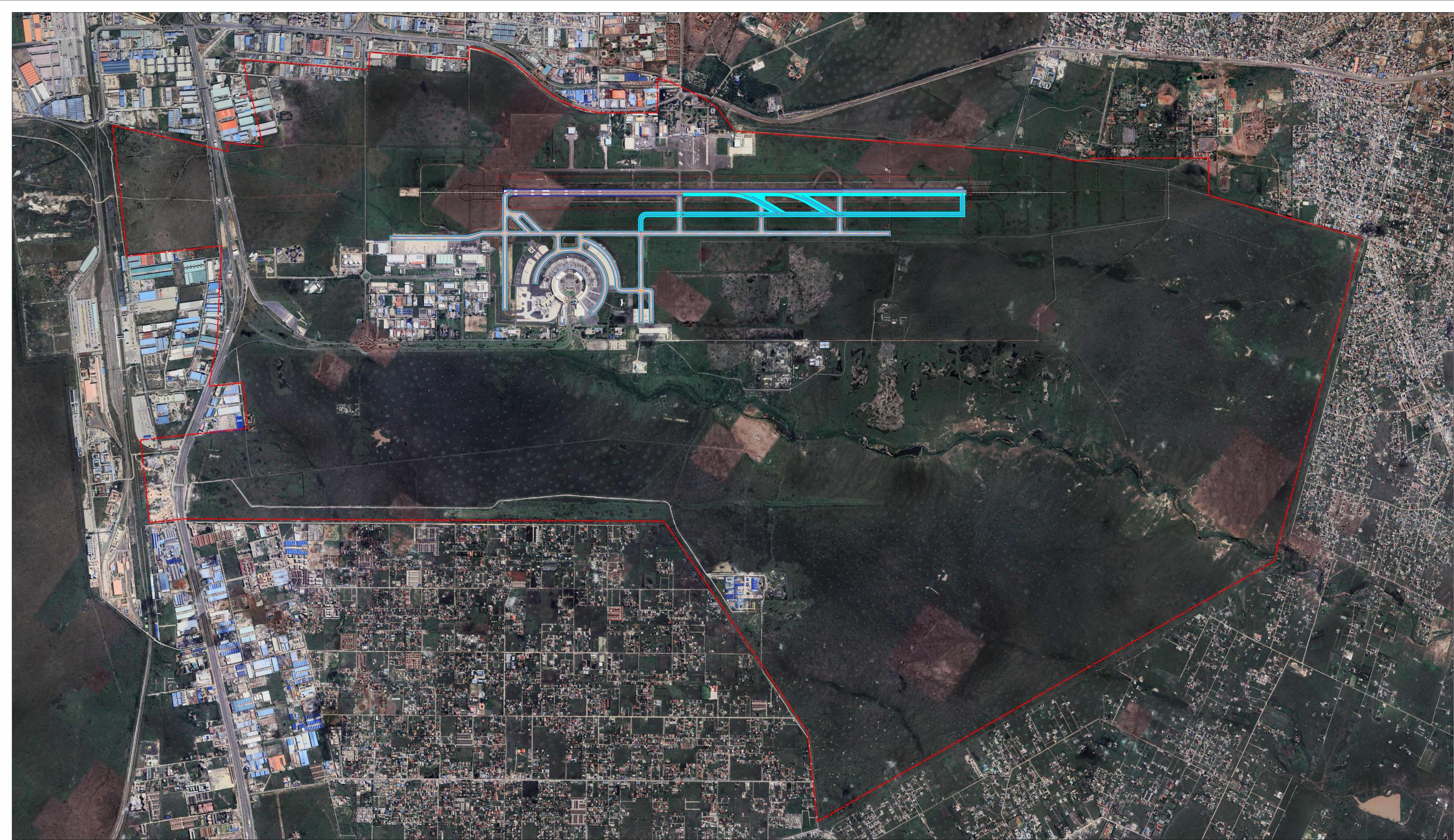
JKIA AIRPORT MASTERPLAN

APPENDIX TITLE

APPENDIX A:
JKIA AIRFIELD LAYOUT - EXISTING

SCALE

1/11000 @ A0



CONSULTANT



PROJECT NAME

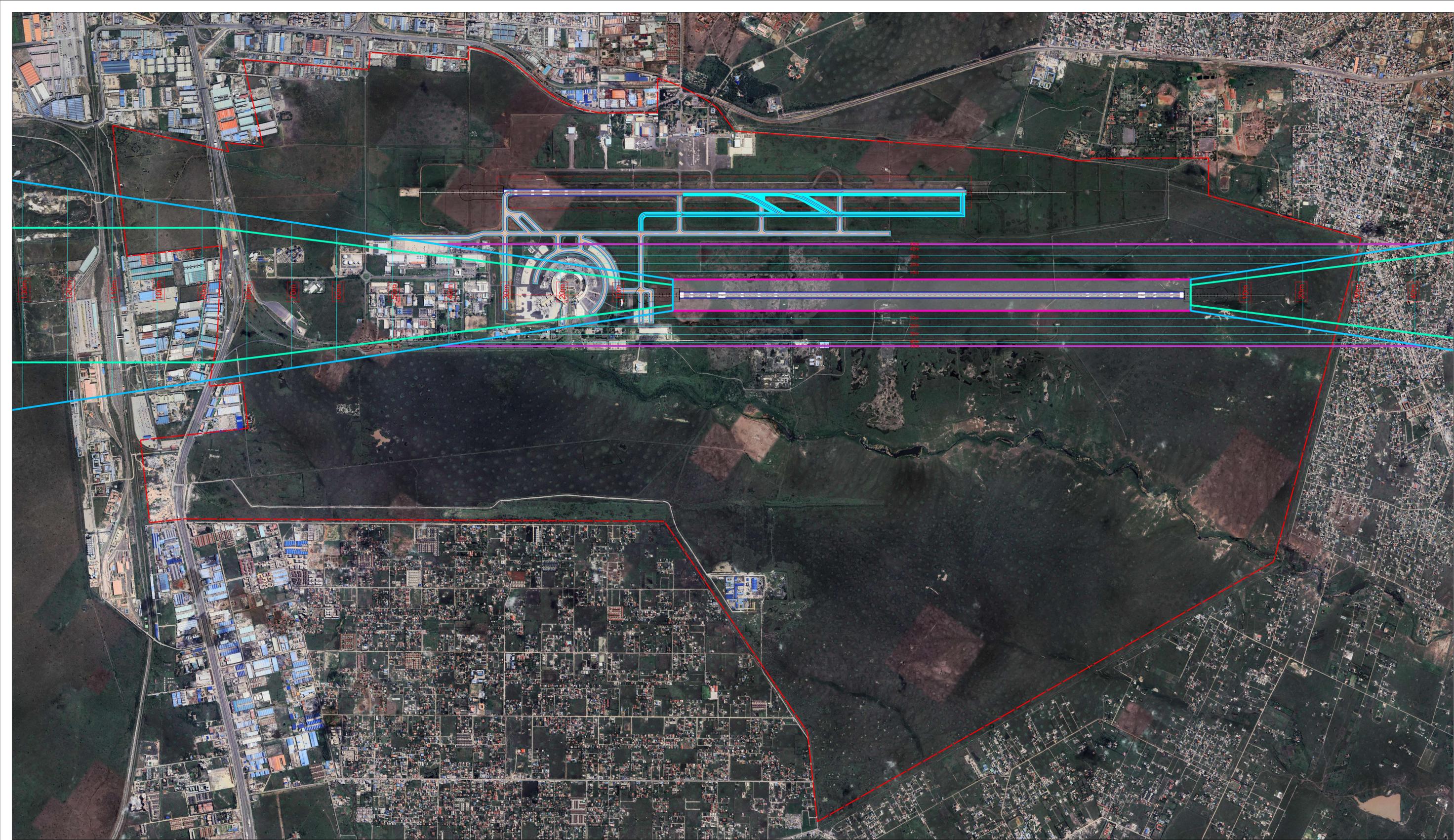
JKIA AIRPORT MASTERPLAN

APPENDIX TITLE

APPENDIX B:
JKIA AIRFIELD LAYOUT - PHASE 1
(EXISTING RUNWAY UPGRADE)

SCALE

1/11000 @ A0



CONSULTANT



PROJECT NAME

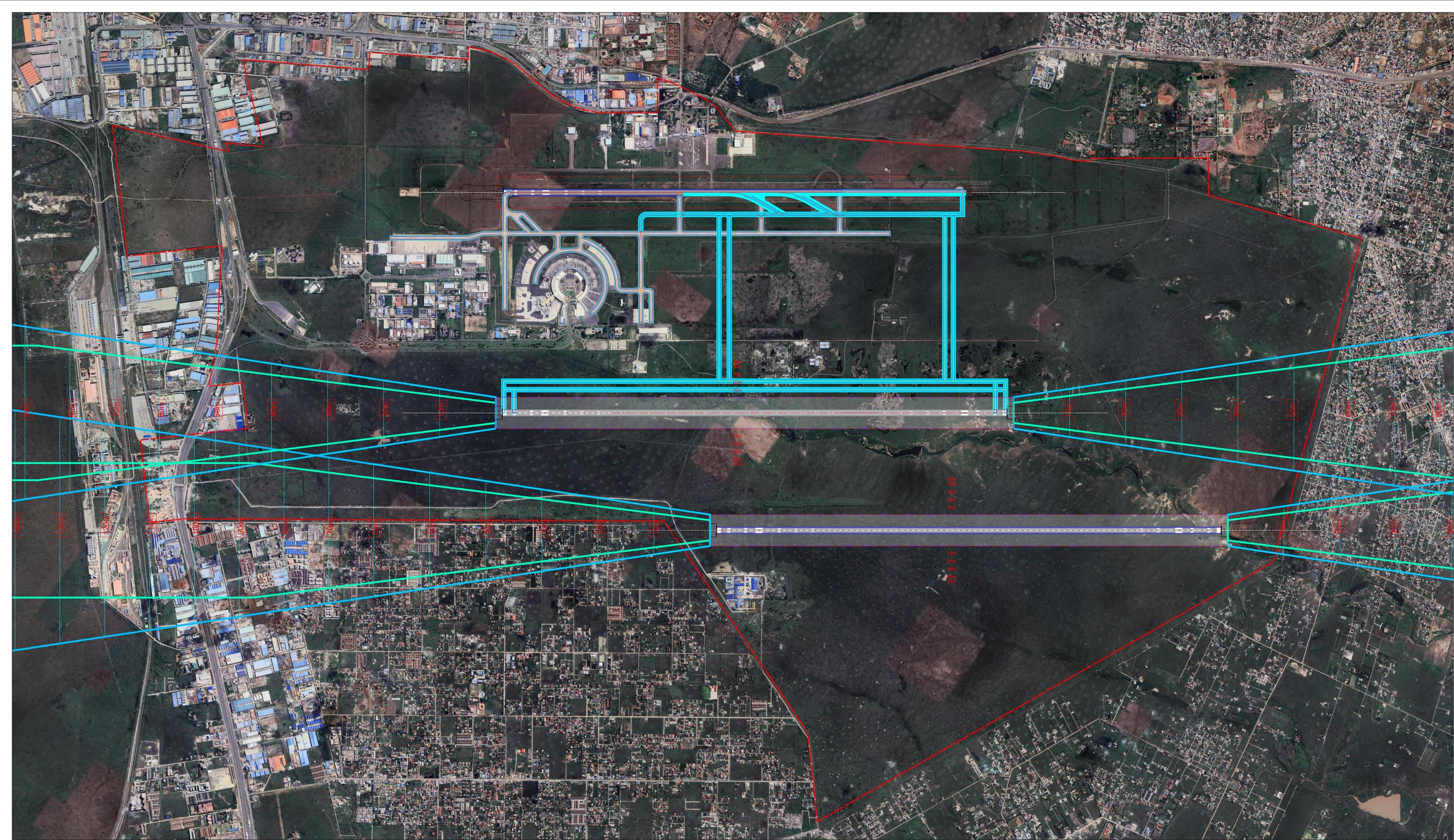
JKIA AIRPORT MASTERPLAN

APPENDIX TITLE

APPENDIX C:
JKIA AIRFIELD LAYOUT - PHASE 2
(DEPENDENT RUNWAY)

SCALE

1/11000 @ A0



CONSULTANT



PROJECT NAME

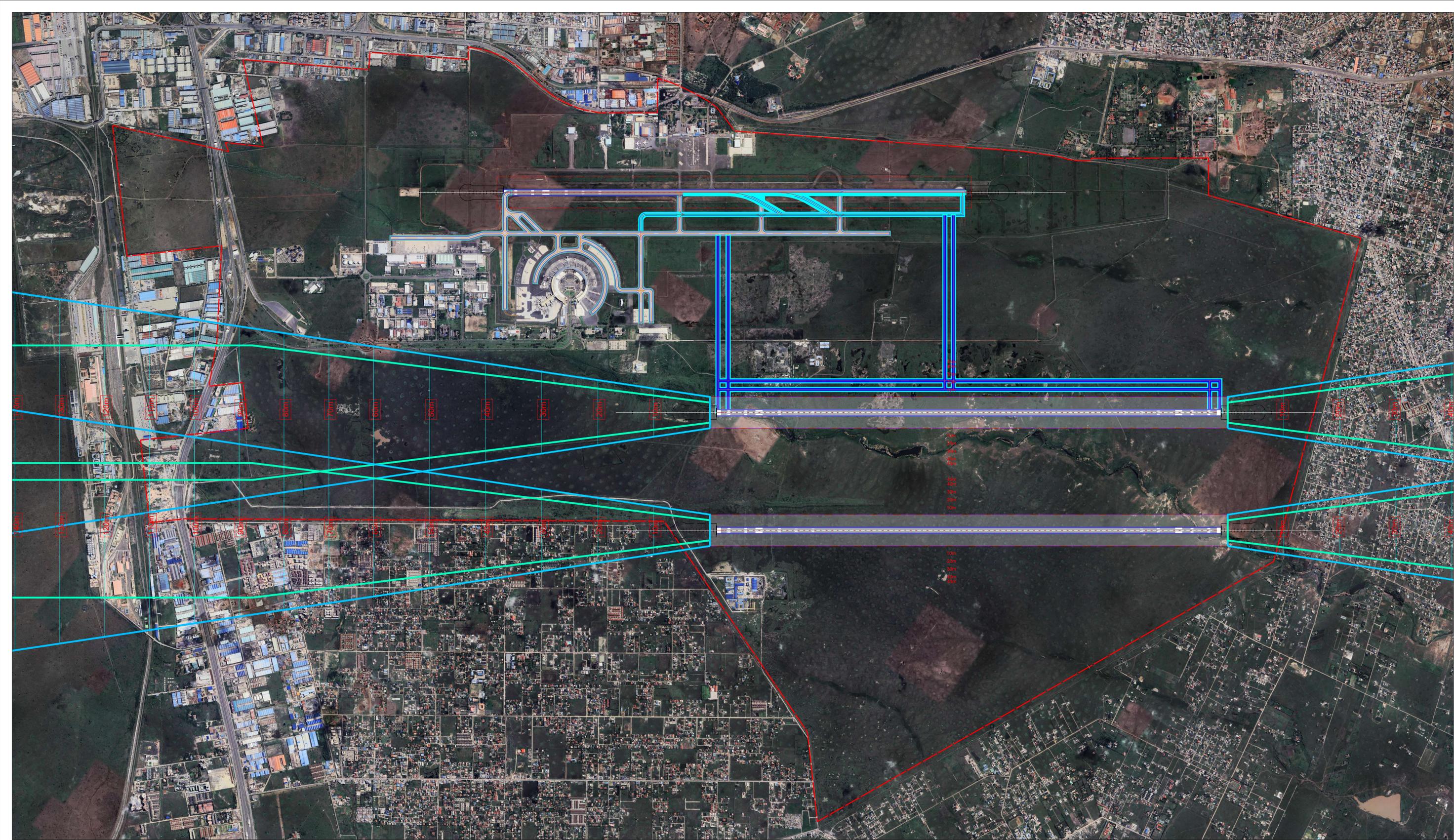
JKIA AIRPORT MASTERPLAN

APPENDIX TITLE

APPENDIX D:
 JKIA AIRFIELD LAYOUT - PHASE 2
 (INDEPENDENT RUNWAY-THRESHOLD
 ALIGNED SPACE RESERVATION FOR 3RD RUNWAY)

SCALE

1/11000 @ A0



CONSULTANT



PROJECT NAME

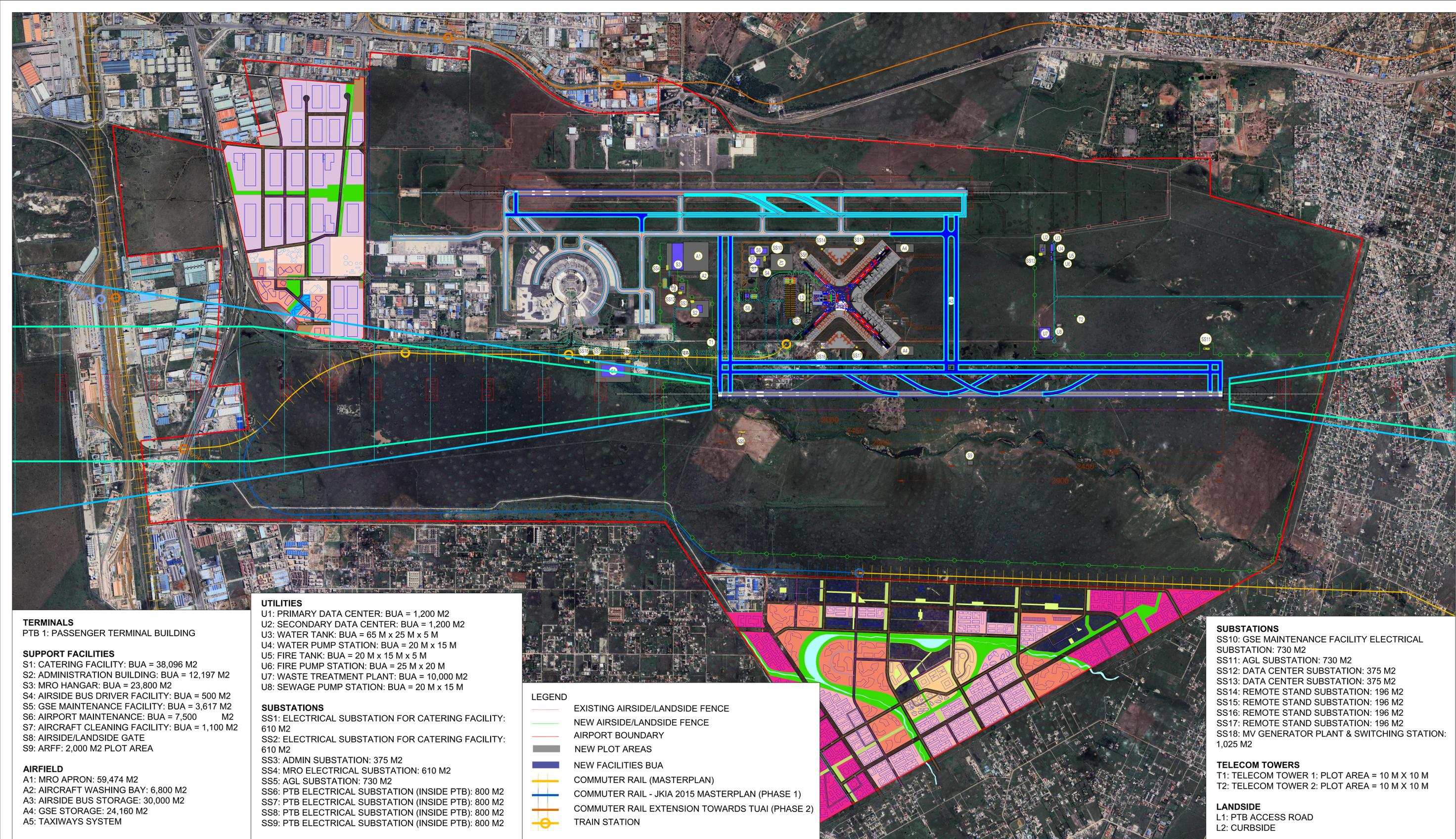
JKIA AIRPORT MASTERPLAN

APPENDIX TITLE

APPENDIX E:
 JKIA AIRFIELD LAYOUT - PHASE 2
 (INDEPENDENT RUNWAY-THRESHOLD
 STAGGERED & SPACE RESERVATION FOR 3RD RUNWAY)

SCALE

1/11000 @ A0



TERMINALS
 PTB 1: PASSENGER TERMINAL BUILDING

SUPPORT FACILITIES
 S1: CATERING FACILITY: BUA = 38,096 M2
 S2: ADMINISTRATION BUILDING: BUA = 12,197 M2
 S3: MRO HANGAR: BUA = 23,800 M2
 S4: AIRSIDE BUS DRIVER FACILITY: BUA = 500 M2
 S5: GSE MAINTENANCE FACILITY: BUA = 3,617 M2
 S6: AIRPORT MAINTENANCE: BUA = 7,500 M2
 S7: AIRCRAFT CLEANING FACILITY: BUA = 1,100 M2
 S8: AIRSIDE/LANDSIDE GATE
 S9: ARFF: 2,000 M2 PLOT AREA

AIRFIELD
 A1: MRO APRON: 59,474 M2
 A2: AIRCRAFT WASHING BAY: 6,800 M2
 A3: AIRSIDE BUS STORAGE: 30,000 M2
 A4: GSE STORAGE: 24,160 M2
 A5: TAXIWAYS SYSTEM

UTILITIES
 U1: PRIMARY DATA CENTER: BUA = 1,200 M2
 U2: SECONDARY DATA CENTER: BUA = 1,200 M2
 U3: WATER TANK: BUA = 65 M x 25 M x 5 M
 U4: WATER PUMP STATION: BUA = 20 M x 15 M
 U5: FIRE TANK: BUA = 20 M x 15 M x 5 M
 U6: FIRE TANK: BUA = 25 M x 20 M
 U7: WASTE TREATMENT PLANT: BUA = 10,000 M2
 U8: SEWAGE PUMP STATION: BUA = 20 M x 15 M

SUBSTATIONS
 SS1: ELECTRICAL SUBSTATION FOR CATERING FACILITY: 610 M2
 SS2: ELECTRICAL SUBSTATION FOR CATERING FACILITY: 610 M2
 SS3: ADMIN SUBSTATION: 375 M2
 SS4: MRO ELECTRICAL SUBSTATION: 610 M2
 SS5: AGL SUBSTATION: 730 M2
 SS6: PTB ELECTRICAL SUBSTATION (INSIDE PTB): 800 M2
 SS7: PTB ELECTRICAL SUBSTATION (INSIDE PTB): 800 M2
 SS8: PTB ELECTRICAL SUBSTATION (INSIDE PTB): 800 M2
 SS9: PTB ELECTRICAL SUBSTATION (INSIDE PTB): 800 M2

LEGEND

- EXISTING AIRSIDE/LANDSIDE FENCE
- NEW AIRSIDE/LANDSIDE FENCE
- AIRPORT BOUNDARY
- NEW PLOT AREAS
- NEW FACILITIES BUA
- COMMUTER RAIL (MASTERPLAN)
- COMMUTER RAIL - JKIA 2015 MASTERPLAN (PHASE 1)
- COMMUTER RAIL EXTENSION TOWARDS TUAI (PHASE 2)
- ⊙ TRAIN STATION

SUBSTATIONS
 SS10: GSE MAINTENANCE FACILITY ELECTRICAL SUBSTATION: 730 M2
 SS11: AGL SUBSTATION: 730 M2
 SS12: DATA CENTER SUBSTATION: 375 M2
 SS13: DATA CENTER SUBSTATION: 375 M2
 SS14: REMOTE STAND SUBSTATION: 196 M2
 SS15: REMOTE STAND SUBSTATION: 196 M2
 SS16: REMOTE STAND SUBSTATION: 196 M2
 SS17: REMOTE STAND SUBSTATION: 196 M2
 SS18: MV GENERATOR PLANT & SWITCHING STATION: 1,025 M2

TELECOM TOWERS
 T1: TELECOM TOWER 1: PLOT AREA = 10 M X 10 M
 T2: TELECOM TOWER 2: PLOT AREA = 10 M X 10 M

LANDSIDE
 L1: PTB ACCESS ROAD
 L2: CURBSIDE

CONSULTANT



PROJECT NAME

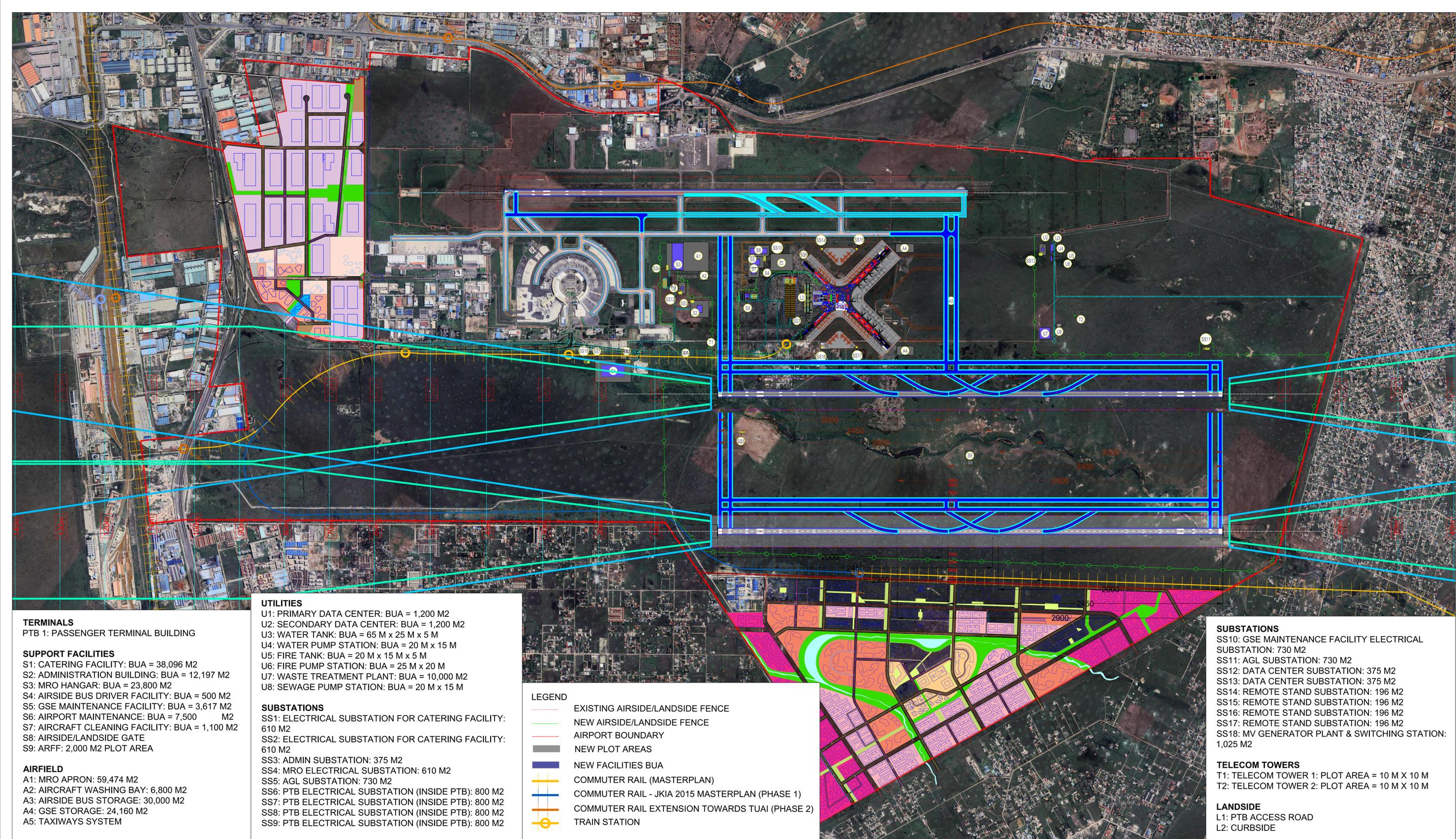
JKIA AIRPORT MASTERPLAN

APPENDIX TITLE

**APPENDIX F:
 JKIA AIRFIELD LAYOUT - PHASE 2
 (INDEPENDENT RUNWAY-THRESHOLD
 ALIGNED-ULTIMATE PHASE LAYOUT)**

SCALE

1/11000 @ A0



TERMINALS
PTB 1: PASSENGER TERMINAL BUILDING

SUPPORT FACILITIES
S1: CATERING FACILITY: BUA = 38,096 M2
S2: ADMINISTRATION BUILDING: BUA = 12,197 M2
S3: MRO HANGAR: BUA = 23,800 M2
S4: AIRSIDE BUS DRIVER FACILITY: BUA = 500 M2
S5: GSE MAINTENANCE FACILITY: BUA = 3,617 M2
S6: AIRPORT MAINTENANCE: BUA = 7,500 M2
S7: AIRCRAFT CLEANING FACILITY: BUA = 1,100 M2
S8: AIRSIDE/LANDSIDE GATE
S9: ARFF: 2,000 M2 PLOT AREA

AIRFIELD
A1: MRO APRON: 59,474 M2
A2: AIRCRAFT WASHING BAY: 6,800 M2
A3: AIRSIDE BUS STORAGE: 30,000 M2
A4: GSE STORAGE: 24,160 M2
A5: TAXIWAYS SYSTEM

UTILITIES
U1: PRIMARY DATA CENTER: BUA = 1,200 M2
U2: SECONDARY DATA CENTER: BUA = 1,200 M2
U3: WATER TANK: BUA = 65 M x 25 M x 5 M
U4: WATER PUMP STATION: BUA = 20 M x 15 M
U5: FIRE TANK: BUA = 20 M x 15 M x 5 M
U6: FIRE TANK: BUA = 25 M x 20 M
U7: WASTE TREATMENT PLANT: BUA = 10,000 M2
U8: SEWAGE PUMP STATION: BUA = 20 M x 15 M

SUBSTATIONS
SS1: ELECTRICAL SUBSTATION FOR CATERING FACILITY: 610 M2
SS2: ELECTRICAL SUBSTATION FOR CATERING FACILITY: 610 M2
SS3: ADMIN SUBSTATION: 375 M2
SS4: MRO ELECTRICAL SUBSTATION: 610 M2
SS5: AGL SUBSTATION: 730 M2
SS6: PTB ELECTRICAL SUBSTATION (INSIDE PTB): 800 M2
SS7: PTB ELECTRICAL SUBSTATION (INSIDE PTB): 800 M2
SS8: PTB ELECTRICAL SUBSTATION (INSIDE PTB): 800 M2
SS9: PTB ELECTRICAL SUBSTATION (INSIDE PTB): 800 M2

LEGEND

- EXISTING AIRSIDE/LANDSIDE FENCE
- NEW AIRSIDE/LANDSIDE FENCE
- AIRPORT BOUNDARY
- NEW PLOT AREAS
- NEW FACILITIES BUA
- COMMUTER RAIL (MASTERPLAN)
- COMMUTER RAIL - JKIA 2015 MASTERPLAN (PHASE 1)
- COMMUTER RAIL EXTENSION TOWARDS TUAI (PHASE 2)
- TRAIN STATION

SUBSTATIONS
SS10: GSE MAINTENANCE FACILITY ELECTRICAL SUBSTATION: 730 M2
SS11: AGL SUBSTATION: 730 M2
SS12: DATA CENTER SUBSTATION: 375 M2
SS13: DATA CENTER SUBSTATION: 375 M2
SS14: REMOTE STAND SUBSTATION: 196 M2
SS15: REMOTE STAND SUBSTATION: 196 M2
SS16: REMOTE STAND SUBSTATION: 196 M2
SS17: REMOTE STAND SUBSTATION: 196 M2
SS18: MV GENERATOR PLANT & SWITCHING STATION: 1,025 M2

TELECOM TOWERS
T1: TELECOM TOWER 1: PLOT AREA = 10 M X 10 M
T2: TELECOM TOWER 2: PLOT AREA = 10 M X 10 M

LANDSIDE
L1: PTB ACCESS ROAD
L2: CURBSIDE

CONSULTANT



PROJECT NAME

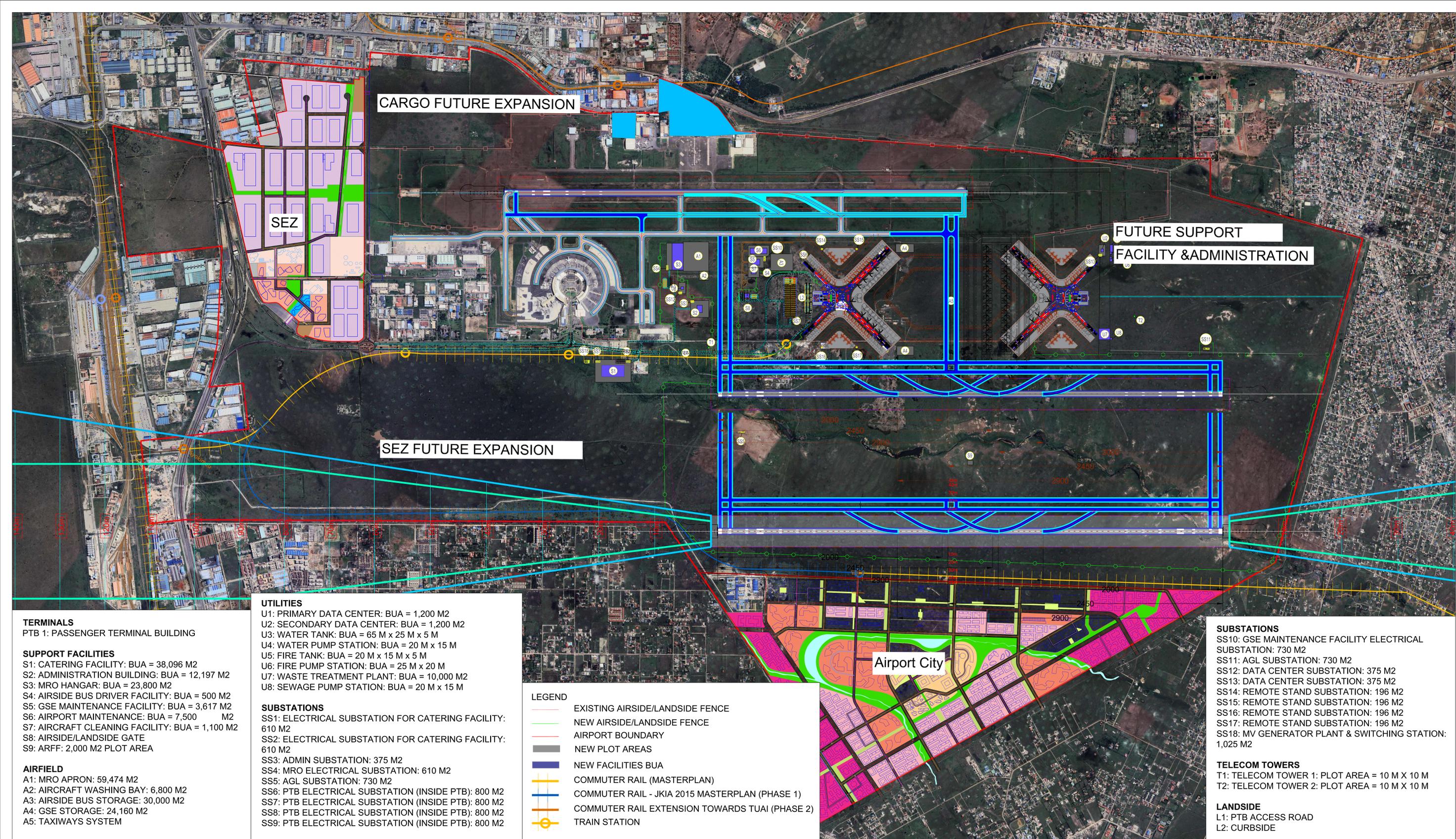
JKIA AIRPORT MASTERPLAN

APPENDIX TITLE

APPENDIX G:
JKIA AIRFIELD LAYOUT - THIRD RUNWAY & TAXIWAY SYSTEM - SPACE RESERVATION

SCALE

1/11000 @ A0



TERMINALS
PTB 1: PASSENGER TERMINAL BUILDING

SUPPORT FACILITIES
S1: CATERING FACILITY: BUA = 38,096 M2
S2: ADMINISTRATION BUILDING: BUA = 12,197 M2
S3: MRO HANGAR: BUA = 23,800 M2
S4: AIRSIDE BUS DRIVER FACILITY: BUA = 500 M2
S5: GSE MAINTENANCE FACILITY: BUA = 3,617 M2
S6: AIRPORT MAINTENANCE: BUA = 7,500 M2
S7: AIRCRAFT CLEANING FACILITY: BUA = 1,100 M2
S8: AIRSIDE/LANDSIDE GATE
S9: ARFF: 2,000 M2 PLOT AREA

AIRFIELD
A1: MRO APRON: 59,474 M2
A2: AIRCRAFT WASHING BAY: 6,800 M2
A3: AIRSIDE BUS STORAGE: 30,000 M2
A4: GSE STORAGE: 24,160 M2
A5: TAXIWAYS SYSTEM

UTILITIES
U1: PRIMARY DATA CENTER: BUA = 1,200 M2
U2: SECONDARY DATA CENTER: BUA = 1,200 M2
U3: WATER TANK: BUA = 65 M x 25 M x 5 M
U4: WATER PUMP STATION: BUA = 20 M x 15 M
U5: FIRE TANK: BUA = 20 M x 15 M x 5 M
U6: FIRE TANK: BUA = 25 M x 20 M
U7: WASTE TREATMENT PLANT: BUA = 10,000 M2
U8: SEWAGE PUMP STATION: BUA = 20 M x 15 M

SUBSTATIONS
SS1: ELECTRICAL SUBSTATION FOR CATERING FACILITY: 610 M2
SS2: ELECTRICAL SUBSTATION FOR CATERING FACILITY: 610 M2
SS3: ADMIN SUBSTATION: 375 M2
SS4: MRO ELECTRICAL SUBSTATION: 610 M2
SS5: AGL SUBSTATION: 730 M2
SS6: PTB ELECTRICAL SUBSTATION (INSIDE PTB): 800 M2
SS7: PTB ELECTRICAL SUBSTATION (INSIDE PTB): 800 M2
SS8: PTB ELECTRICAL SUBSTATION (INSIDE PTB): 800 M2
SS9: PTB ELECTRICAL SUBSTATION (INSIDE PTB): 800 M2

LEGEND

- EXISTING AIRSIDE/LANDSIDE FENCE
- NEW AIRSIDE/LANDSIDE FENCE
- AIRPORT BOUNDARY
- NEW PLOT AREAS
- NEW FACILITIES BUA
- COMMUTER RAIL (MASTERPLAN)
- COMMUTER RAIL - JKIA 2015 MASTERPLAN (PHASE 1)
- COMMUTER RAIL EXTENSION TOWARDS TUAI (PHASE 2)
- TRAIN STATION

SUBSTATIONS
SS10: GSE MAINTENANCE FACILITY ELECTRICAL SUBSTATION: 730 M2
SS11: AGL SUBSTATION: 730 M2
SS12: DATA CENTER SUBSTATION: 375 M2
SS13: DATA CENTER SUBSTATION: 375 M2
SS14: REMOTE STAND SUBSTATION: 196 M2
SS15: REMOTE STAND SUBSTATION: 196 M2
SS16: REMOTE STAND SUBSTATION: 196 M2
SS17: REMOTE STAND SUBSTATION: 196 M2
SS18: MV GENERATOR PLANT & SWITCHING STATION: 1,025 M2

TELECOM TOWERS
T1: TELECOM TOWER 1: PLOT AREA = 10 M X 10 M
T2: TELECOM TOWER 2: PLOT AREA = 10 M X 10 M

LANDSIDE
L1: PTB ACCESS ROAD
L2: CURBSIDE

CONSULTANT



PROJECT NAME

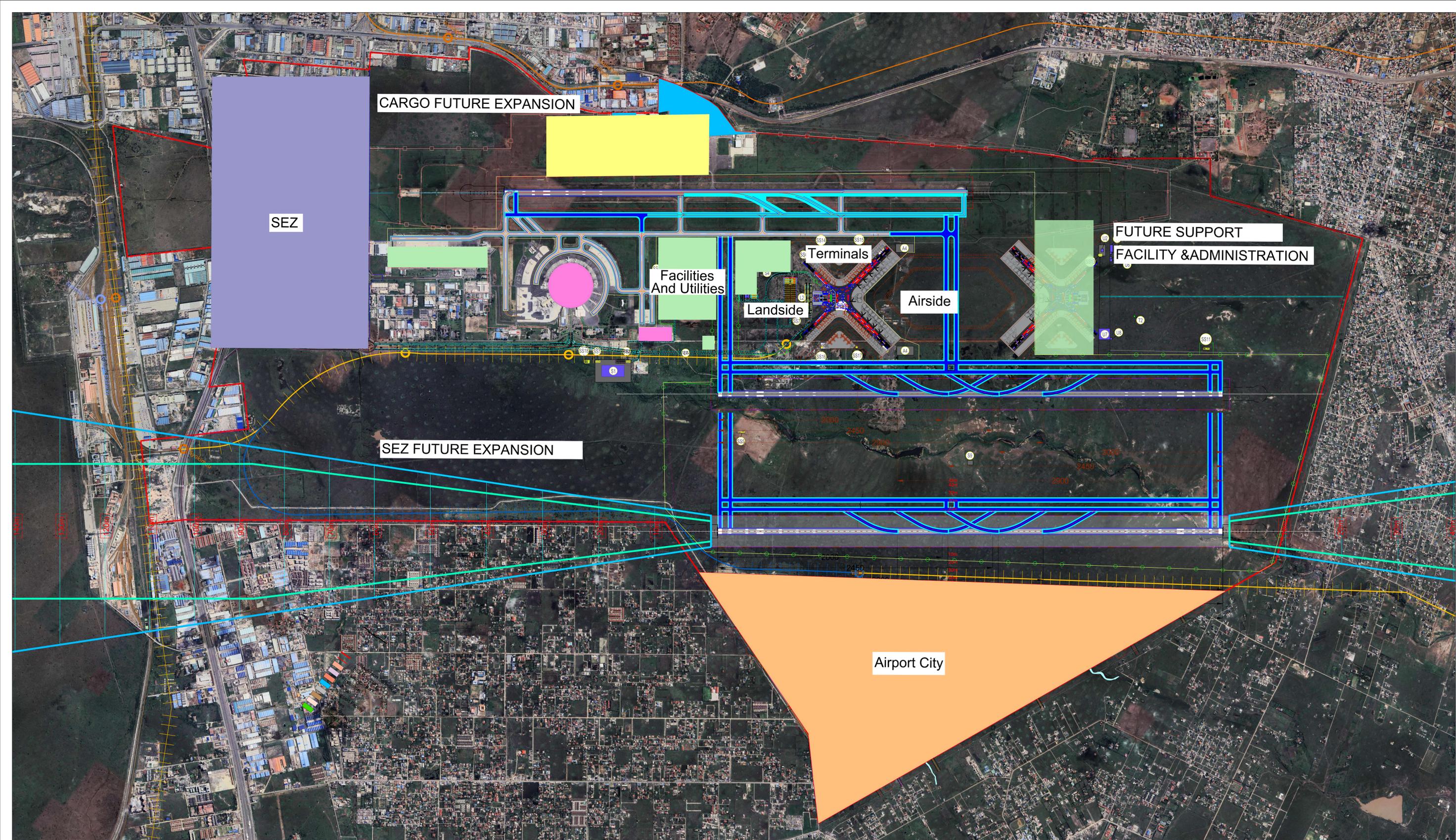
JKIA AIRPORT MASTERPLAN

APPENDIX TITLE

APPENDIX H:
JKIA LAYOUT - SPACE RESERVATION FOR TERMINAL AIRFIELD & AIRPORT CITY BEYOND 2045-OPTION 2

SCALE

1/11000 @ A0



CONSULTANT



PROJECT NAME

JKIA AIRPORT MASTERPLAN

APPENDIX TITLE

APPENDIX I:
JKIA LAYOUT - LAND USE PLAN

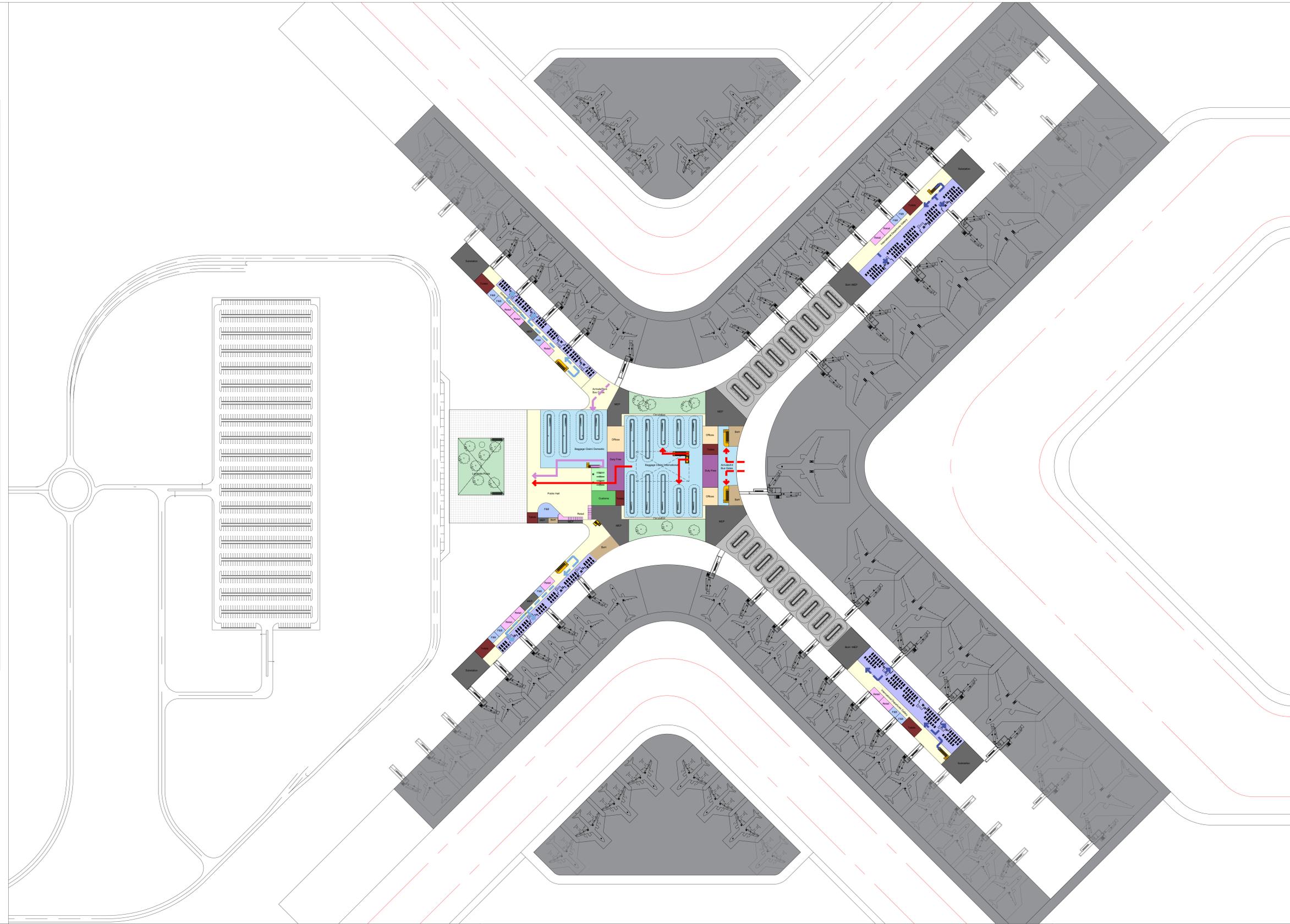
SCALE

1/11000 @ A0

LEGEND

CIRCULATION	ARRIVALS
PROCESSING	OFFICE
RETAIL	CORES
DUTY FREE	TOILETS
F&B	BOH
GREENERY	BHS
GATES	MEP
LOUNGES	TRANSFER
CUSTOMS	DWELL SEATING
PHASE 2	

INT. DEPARTURE
INT. DEPARTURE REMOTE
DOM. DEPARTURE
DOM. DEPARTURE REMOTE
INT. ARRIVAL
INT. ARRIVAL REMOTE
DOM. ARRIVAL
DOM. ARRIVAL REMOTE
INT. TRANSFER



CONSULTANT



PROJECT NAME

JKIA AIRPORT MASTERPLAN

APPENDIX TITLE

**APPENDIX J
JKAI TERMINAL BUILDING
APRON LEVEL L00**

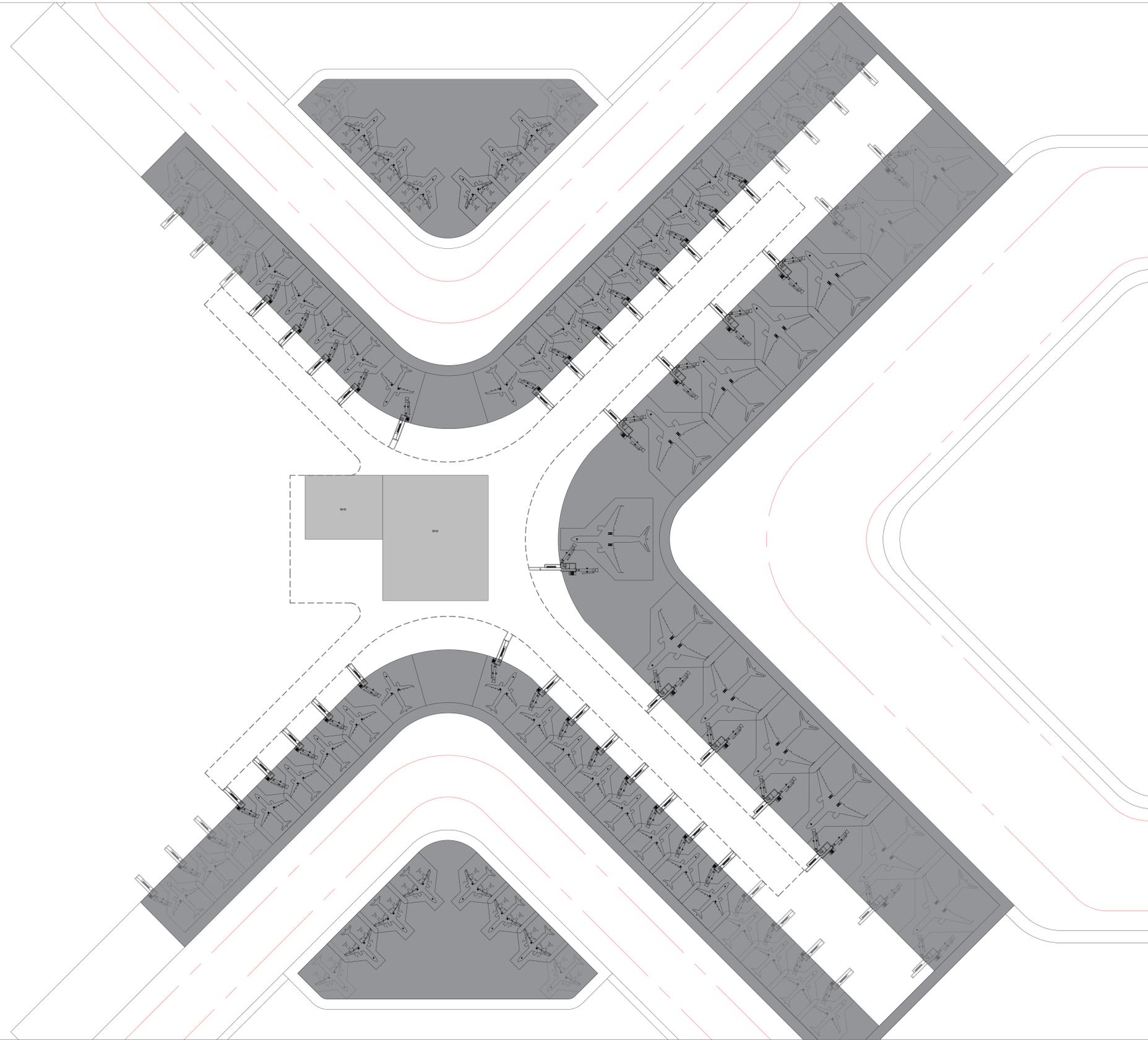
SCALE

1/1500 @ A0

LEGEND

 CIRCULATION	 ARRIVALS
 PROCESSING	 OFFICE
 RETAIL	 CORES
 DUTY FREE	 TOILETS
 F&B	 BOH
 GREENERY	 BHS
 GATES	 MEP
 LOUNGES	 TRANSFER
 CUSTOMS	 DWELL SEATING
 PHASE 2	

 INT. DEPARTURE
 INT. DEPARTURE REMOTE
 DOM. DEPARTURE
 DOM. DEPARTURE REMOTE
 INT. ARRIVAL
 INT. ARRIVAL REMOTE
 DOM. ARRIVAL
 DOM. ARRIVAL REMOTE
 INT. TRANSFER



CONSULTANT



PROJECT NAME

JKIA AIRPORT MASTERPLAN

APPENDIX TITLE

**APPENDIX J
JKAI TERMINAL BUILDING
BASEMENT LEVEL**

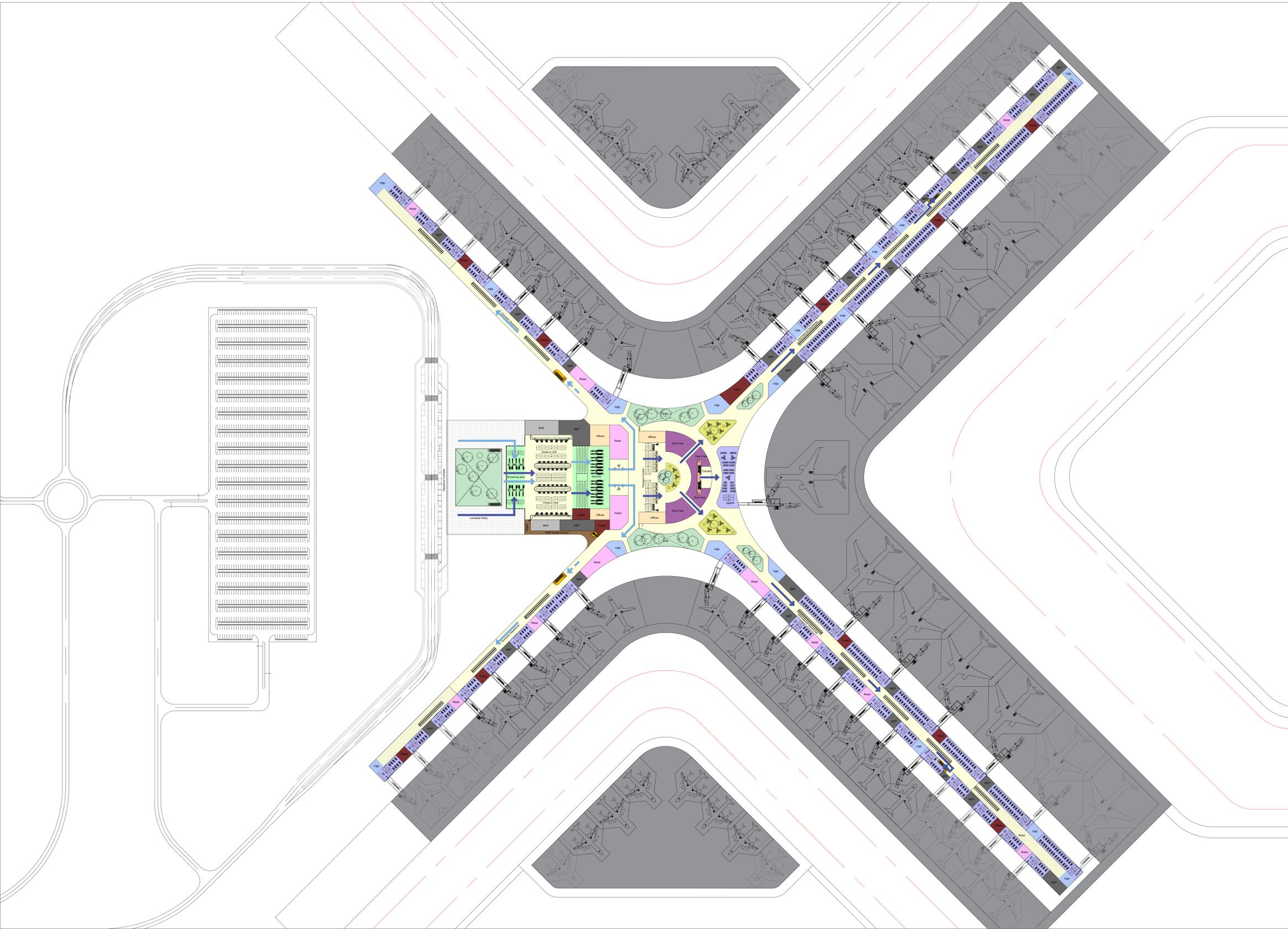
SCALE

1/1500 @ A0

LEGEND

 CIRCULATION	 ARRIVALS
 PROCESSING	 OFFICE
 RETAIL	 CORES
 DUTY FREE	 TOILETS
 F&B	 BOH
 GREENERY	 BHS
 GATES	 MEP
 LOUNGES	 TRANSFER
 CUSTOMS	 DWELL SEATING
 PHASE 2	

 INT. DEPARTURE
 INT. DEPARTURE REMOTE
 DOM. DEPARTURE
 DOM. DEPARTURE REMOTE
 INT. ARRIVAL
 INT. ARRIVAL REMOTE
 DOM. ARRIVAL
 DOM. ARRIVAL REMOTE
 INT. TRANSFER



CONSULTANT



PROJECT NAME

JKIA AIRPORT MASTERPLAN

APPENDIX TITLE

**APPENDIX J
JKAI TERMINAL BUILDING
DEPARTURE LEVEL L02**

SCALE

1/1500 @ A0

LEGEND

CIRCULATION	ARRIVALS
PROCESSING	OFFICE
RETAIL	CORES
DUTY FREE	TOILETS
F&B	BOH
GREENERY	BHS
GATES	MEP
LOUNGES	TRANSFER
CUSTOMS	DWELL SEATING
PHASE 2	

INT. DEPARTURE
INT. DEPARTURE REMOTE
DOM. DEPARTURE
DOM. DEPARTURE REMOTE
INT. ARRIVAL
INT. ARRIVAL REMOTE
DOM. ARRIVAL
DOM. ARRIVAL REMOTE
INT. TRANSFER



CONSULTANT



PROJECT NAME

JKIA AIRPORT MASTERPLAN

APPENDIX TITLE

**APPENDIX J
JKAI TERMINAL BUILDING
INTERMEDIATE LEVEL L01**

SCALE

1/1500 @ A0