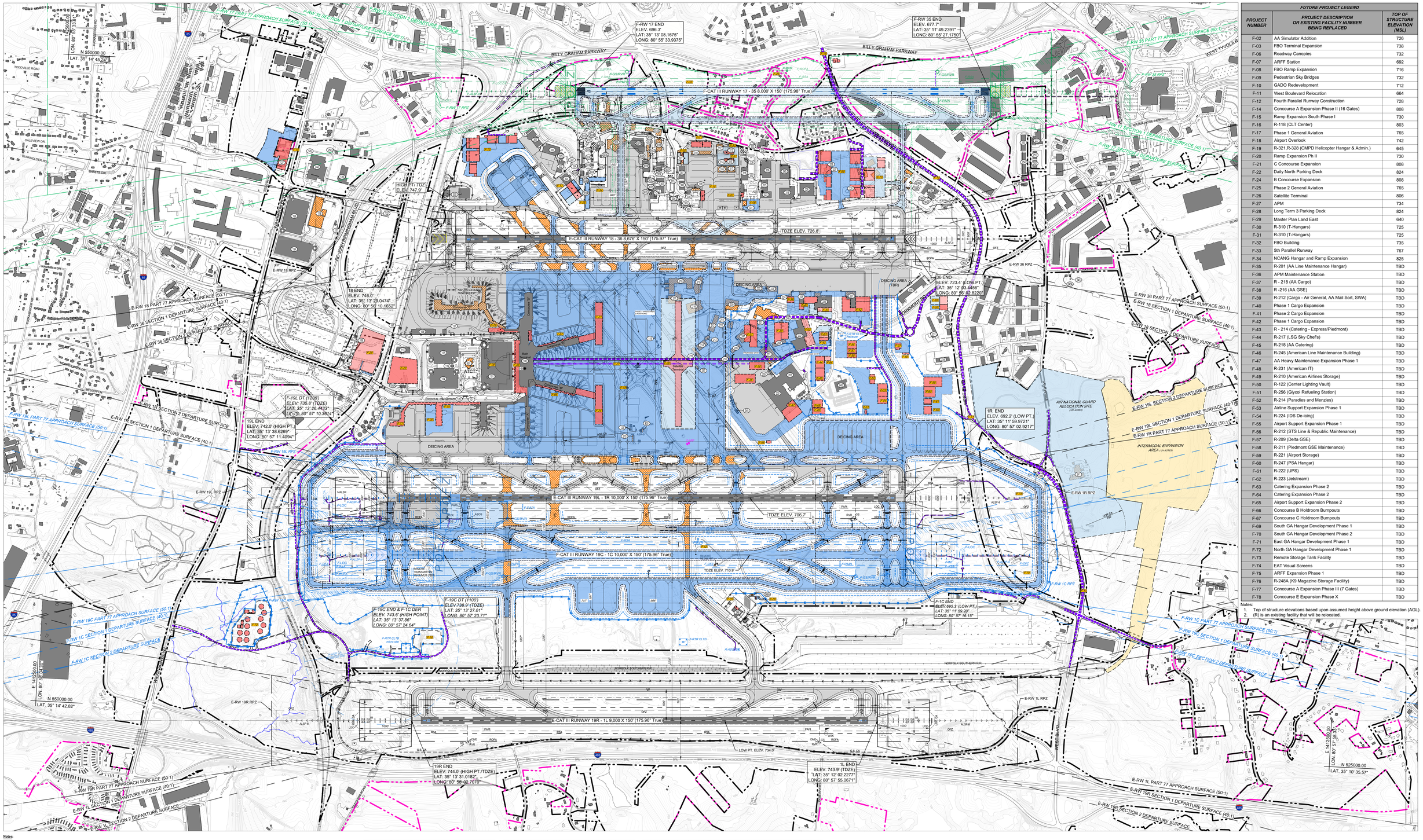


FUTURE PROJECT LEGEND		
PROJECT NUMBER	PROJECT DESCRIPTION OR EXISTING FACILITY NUMBER BEING REPLACED	TOP OF STRUCTURE ELEVATION (MSL)
F-02	AA Simulator Addition	726
F-03	FBO Terminal Expansion	738
F-06	Roadway Canopies	732
F-07	ARFF Station	692
F-08	FBO Ramp Expansion	716
F-09	Pedestrian Sky Bridges	732
F-10	GADO Redevelopment	712
F-11	West Boulevard Relocation	664
F-12	Fourth Parallel Runway Construction	728
F-14	Concourse A Expansion Phase II (16 Gates)	808
F-15	Ramp Expansion South Phase I	730
F-16	R-118 (CLT Center)	803
F-17	Phase 1 General Aviation	765
F-18	Airport Overlook	742
F-19	R-321,R-328 (CMPD Helicopter Hangar & Admin.)	645
F-20	Ramp Expansion Ph II	730
F-21	C Concourse Expansion	808
F-22	Daily North Parking Deck	824
F-24	B Concourse Expansion	808
F-25	Phase 2 General Aviation	765
F-26	Satellite Terminal	806
F-27	APM	734
F-28	Long Term 3 Parking Deck	824
F-29	Master Plan Land East	640
F-30	R-310 (T-Hangars)	725
F-31	R-310 (T-Hangars)	725
F-32	FBO Building	735
F-33	5th Parallel Runway	767
F-34	NCANG Hangar and Ramp Expansion	825
F-35	R-201 (AA Line Maintenance Hangar)	TBD
F-36	APM Maintenance Station	TBD
F-37	R - 218 (AA Cargo)	TBD
F-38	R -216 (AA GSE)	TBD
F-39	R-212 (Cargo - Air General, AA Mail Sort, SWA)	TBD
F-40	Phase 1 Cargo Expansion	TBD
F-41	Phase 2 Cargo Expansion	TBD
F-42	Phase 1 Cargo Expansion	TBD
F-43	R - 214 (Catering - Express/Piedmont)	TBD
F-44	R-217 (LSG Sky Chefs)	TBD
F-45	R-218 (AA Catering)	TBD
F-46	R-245 (American Line Maintenance Building)	TBD
F-47	AA Heavy Maintenance Expansion Phase 1	TBD
F-48	R-231 (American IT)	TBD
F-49	R-210 (American Airlines Storage)	TBD
F-50	R-122 (Center Lighting Vault)	TBD
F-51	R-256 (Glycol Refueling Station)	TBD
F-52	R-214 (Paradies and Menzies)	TBD
F-53	Airline Support Expansion Phase 1	TBD
F-54	R-224 (IDS De-icing)	TBD
F-55	Airport Support Expansion Phase 1	TBD
F-56	R-212 (STS Line & Republic Maintenance)	TBD
F-57	R-209 (Delta GSE)	TBD
F-58	R-211 (Piedmont GSE Maintenance)	TBD
F-59	R-221 (Airport Storage)	TBD
F-60	R-247 (PSA Hangar)	TBD
F-61	R-222 (UPS)	TBD
F-62	R-223 (Jetstream)	TBD
F-63	Catering Expansion Phase 2	TBD
F-64	Catering Expansion Phase 2	TBD
F-65	Airport Support Expansion Phase 2	TBD
F-66	Concourse B Holdroom Bumpouts	TBD
F-67	Concourse C Holdroom Bumpouts	TBD
F-69	South GA Hangar Development Phase 1	TBD
F-70	South GA Hangar Development Phase 2	TBD
F-71	East GA Hangar Development Phase 1	TBD
F-72	North GA Hangar Development Phase 1	TBD
F-73	Remote Storage Tank Facility	TBD
F-74	EAT Visual Screens	TBD
F-75	ARFF Expansion Phase 1	TBD
F-76	R-248A (K9 Magazine Storage Facility)	TBD
F-77	Concourse A Expansion Phase III (7 Gates)	TBD
F-78	Concourse E Expansion Phase X	TBD

Notes:
1. Top of structure elevations based upon assumed height above ground elevation (AGL).
2. (R) is an existing facility that will be relocated.

Notes:
1. The depicted Airport Layout Plan (ALP) is based on GIS topography data (2014) and other as-built drawing (CAD) sources. Before any engineering, design, or construction projects are undertaken, the exact location of existing facilities (above and below ground) should be field checked and verified.
2. All Approach RPZs are 2,500'x1,000'x1,750', unless otherwise noted. All taxiways are 75 feet wide (Design Group V), unless otherwise noted. Runway Exit Taxiway (RET) widths will vary depending on their location and design.
3. Future taxiways and safety areas west of Taxiway E are drawn to FAA AC 150/5300-13B design standards.
4. For complete airport property boundaries existing and future, see Sheet 30 - Airport Property Map.
5. For additional airport information and Modification of Standards (MOS) table is shown on Sheet 4 - Data Sheet.
6. Elevations shown are based on vertical datum NAVD88.
7. Coordinates shown are based on horizontal datum NAD83.
8. Existing rail and roadway elevations were obtained from Google Earth, February 2014, and included moveable object height clearances (23' for railways, 17' for interstate highways, 15' for public roadways, and 10' for private roadways).
9. All future roadway elevations and configurations are conceptual only and will need to be approved by city and state agencies (NCDOT).
10. The existing ASR-9 is to be demolished and relocated between the existing Runway 19R and future Runway 19C thresholds.
11. Hold markings shown at intersection of FAA AC 150/5300-13B Future APV & PA Instrument Approach Surface 5 and EAT. Final marking plan to be determined in coordination with FAA and local ATC. Final EAT design is subject to an aeronautical study.
12. The proposed Multimodal expansion area to the south is only a land hold until a permanent site can be determined.
13. Future designations will be determined during the design stage.
14. The RPZ clearance for the future east Runway 17-35 will be determined at a later date when the runway is anticipated to be needed to meet demand. Line of sight will also need to be maintained from the future ATCT to the future east Runway 17-35.
15. The Airport owns all properties in the existing RPZs with the exception of railroads, public roadways, and an outer portion of the Runway 23 RPZ. There are plans to acquire properties within all existing and future RPZs. Also, there are no plans at this time to address the roads/ railroads within the existing RPZs.
16. On-airport buildings to be demolished during construction. Off-airport buildings/facilities to be mitigated during the design phase of future airport development projects.

EXISTING DRAWING LEGEND

ITEM	EXISTING
GROUND CONTOUR	
AIRPORT PROPERTY LINE (FEE SIMPLE)	
EDGE OF PAVEMENT	
BUILDING RESTRICTION LINE	
BUILDINGS	
AIRFIELD PAVEMENT	
SECURITY FENCE	
NAVAIDS	
AIRPORT REFERENCE POINT	
SURFACE DRAINAGE	
CREEK / STREAM / WATER AREA	
PACS / SACS	
AIRPORT MONUMENT	
ROFA	
TOFA	
RSA	
TSA	
GS C.A.	
LOC C.A.	
VOR C.A.	
OFZ	
ROADWAYS AND RAILWAY ELEVATIONS	80.0
RVZ	
AIRPORT BEACON	
DIMENSIONS EXISTING	600'
DIMENSIONS FUTURE	600'

EXISTING DRAWING LEGEND (CONT'D)

ITEM	EXISTING
POFZ	POFZ
RAILROAD	
RPZ	
Airport Surface Detection Equipment (ASDEX)	
RUNWAY PART 77 APPROACH SURFACE	
RUNWAY TERPS APPROACH SURFACE	
RUNWAY TERPS DEPARTURE SURFACE	
THRESHOLD SITING SURFACE	
DETENTION BASIN	

FUTURE DRAWING LEGEND

ITEM	FUTURE
Airport Surface Detection Equipment (ASDEX)	
AIRPORT PROPERTY LINE (FEE SIMPLE)	
AIRPORT REFERENCE POINT	
ROADWAYS AND RAILWAY ELEVATIONS	85.0'
PROJECT NUMBER	F-01
DETENTION BASIN	

FUTURE PHASING LEGEND

PHASE 1	DESCRIPTION	PHASE 2
	PAVEMENT	
	AIRFIELD SHOULDER PAVEMENT	
	BUILDINGS	
	ROADWAYS	
	ROADWAY / RAILWAY TUNNELS	
	AUTOMATIC PEOPLE MOVER (APM)	
	DEMOLITION	
	INTERMODAL AREA	
	FENCE	
	RETAINING WALL	
	VISUAL SCREEN	
	RUNWAY PART 77 APPROACH SURFACE	
	RUNWAY TERPS APPROACH SURFACE	
	RUNWAY TERPS DEPARTURE SURFACE	
	BRL	
	ROFA	
	TOFA	
	RSA	
	TSA	
	GS C.A.	
	LOC C.A.	
	OFZ	
POFZ	POFZ	POFZ
	RPZ	

4x4 FAA STAMP

FAA DISCLAIMER

THE FAA'S APPROVAL OF THIS AIRPORT LAYOUT PLAN (ALP) REPRESENTS ACCEPTANCE OF THE GENERAL LOCATION OF FUTURE FACILITIES DEPICTED. DURING THE PRELIMINARY DESIGN PHASE, THE AIRPORT SPONSOR IS REQUIRED TO RESUBMIT FOR APPROVAL THE FINAL LOCATIONS, HEIGHTS AND EXTERIOR FINISH OF STRUCTURES.

600 0 600 1200
SCALE IN FEET

MAGNETIC NORTH TRUE NORTH
Declination 7°58'W (7.97°) (Jan 3, 2024)
Changing 0° 3' W (0.05°) per year

Revision Description	Date	By
Pen & Ink ALP	March 2020	L&B
Pen & Ink ALP	October 2020	L&B
Pen & Ink ALP	July 2021	L&B
Pen & Ink ALP	June 2022	L&B
Pen & Ink ALP	May 2023	L&B
Pen & Ink ALP	January 2024	L&B

CLT CHARLOTTE DOUGLAS INTERNATIONAL AIRPORT

Charlotte●Douglas INTERNATIONAL AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: FUTURE AIRPORT LAYOUT PLAN

DRAFT

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	RPE/CTB	MSG	CLT

LeB

SCALE: AS SHOWN | CONTR. NO.

DATE: January 2024 | SHEET: 3 of 32

Y:\CLT\ALP\E-LB Work\12-ALP Update - 2023\E-LB Work\1-CADD\Sheet-3 ALP Future.dwg
Lisa.lair: 1 Saved On: February 8, 2024 Plotted: 2/12/2024 3:27 PM