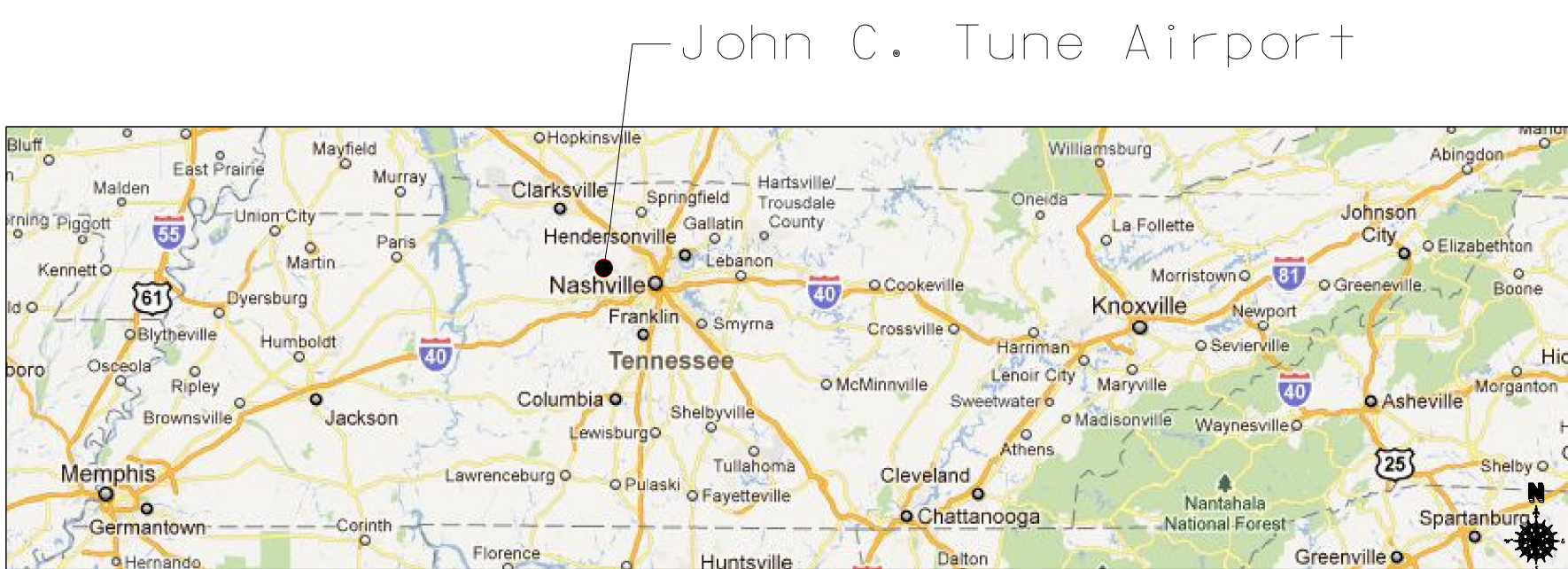


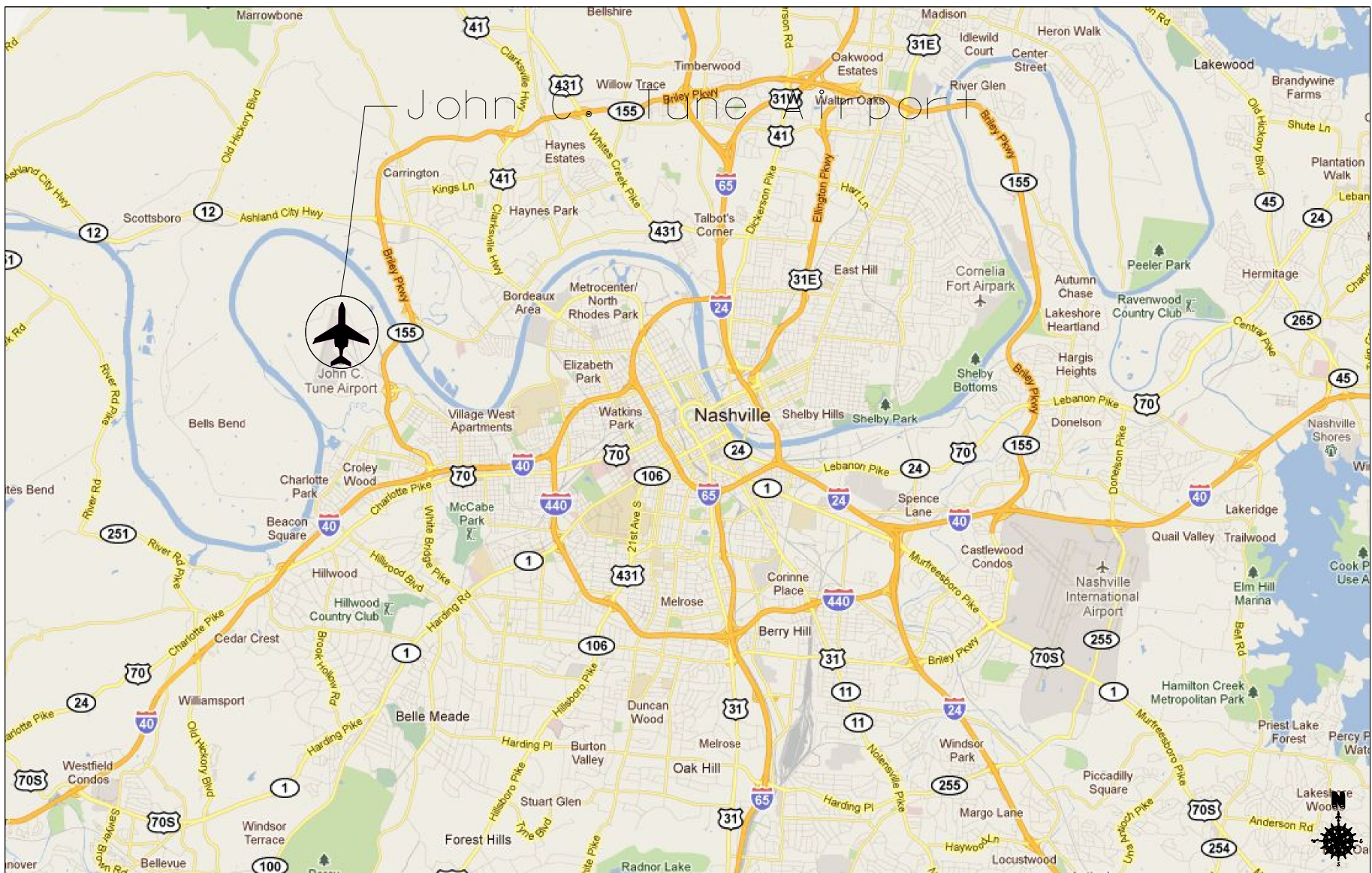
AIRPORT LAYOUT PLAN UPDATE

JOHN C. TUNE AIRPORT Nashville, Tennessee

FINAL DRAFT



LOCATION MAP



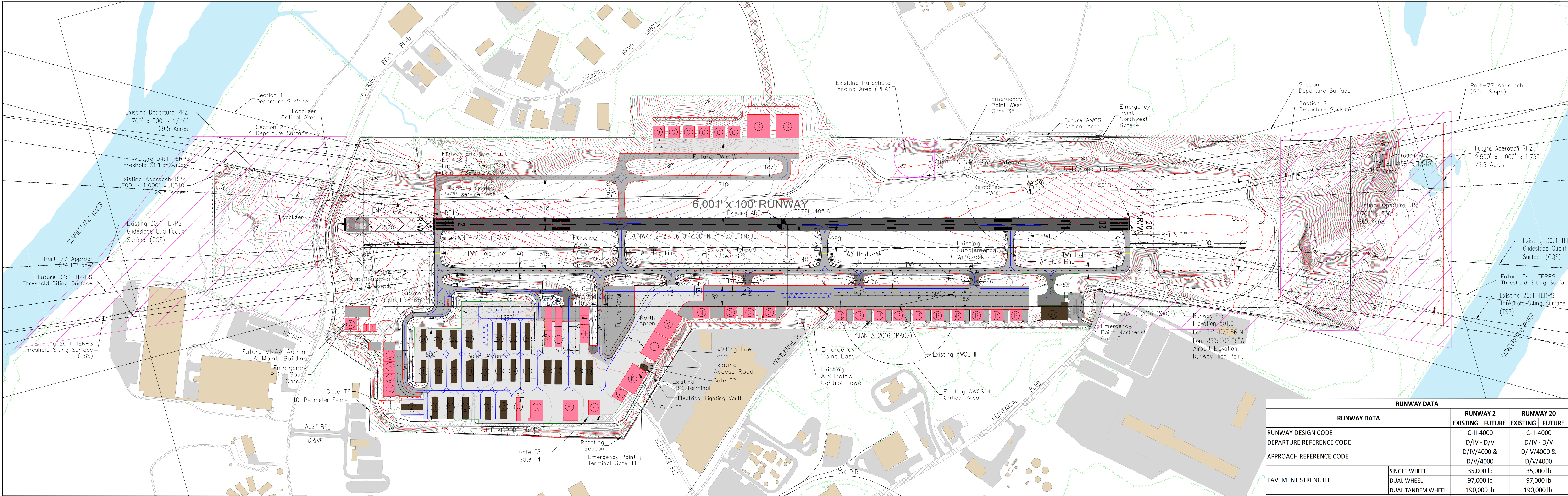
VICINITY MAP



Index of Drawings

- 1 – Title Sheet
- 2 – Airport Layout Drawing
- 3 – Terminal Area Plan
- 4 – Inner Portion of the Approach Surface Runway 2–20
- 5 – Part 77 Airspace Surfaces
- 6 – Part 77 Airspace Surfaces Continued
- 7 – Land Use Plan
- 8 – Airport Property Map

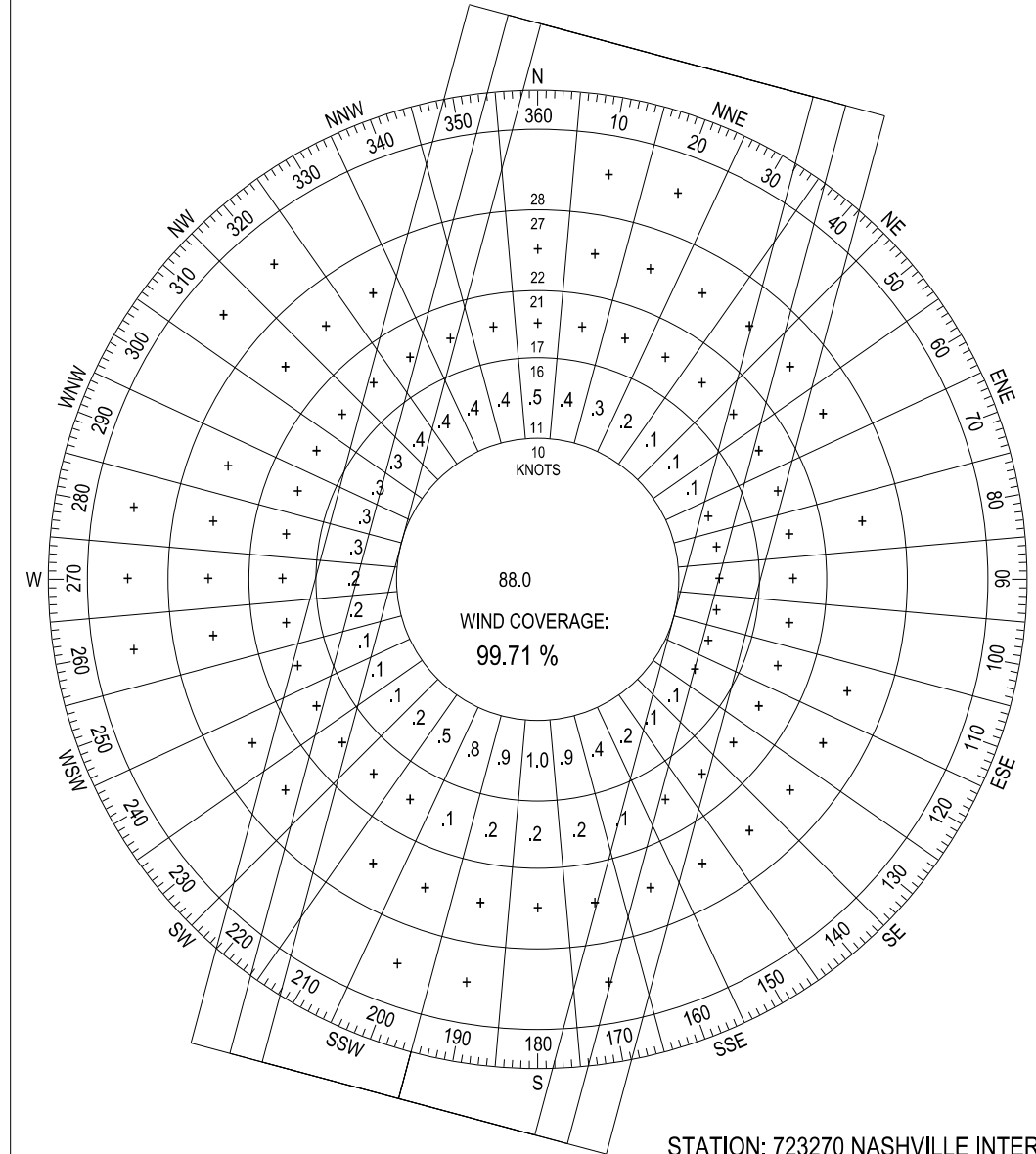
REVISIONS	
11/18/2019	ALP UPDATE APPROVAL
06/16/2022	REVISED FUTURE AERONAUTICAL DEVELOPMENT
06/16/2022	ADDED FUTURE AIWOS AND MOS
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MODIFICATION OF DESIGN STANDARDS				
NO.	STANDARD MODIFIED	FAA STANDARD	EXISTING CONDITION	PROPOSED ACTION
JWN-2022-28554	18V300-13B, CHS, PAR 3.12, PG 3-42	ROFA IS A CLEAR AREA	ROFA IS A CLEAR AREA	AWOS TOWER LOCATED WITHIN ROFA
				14/05/2022

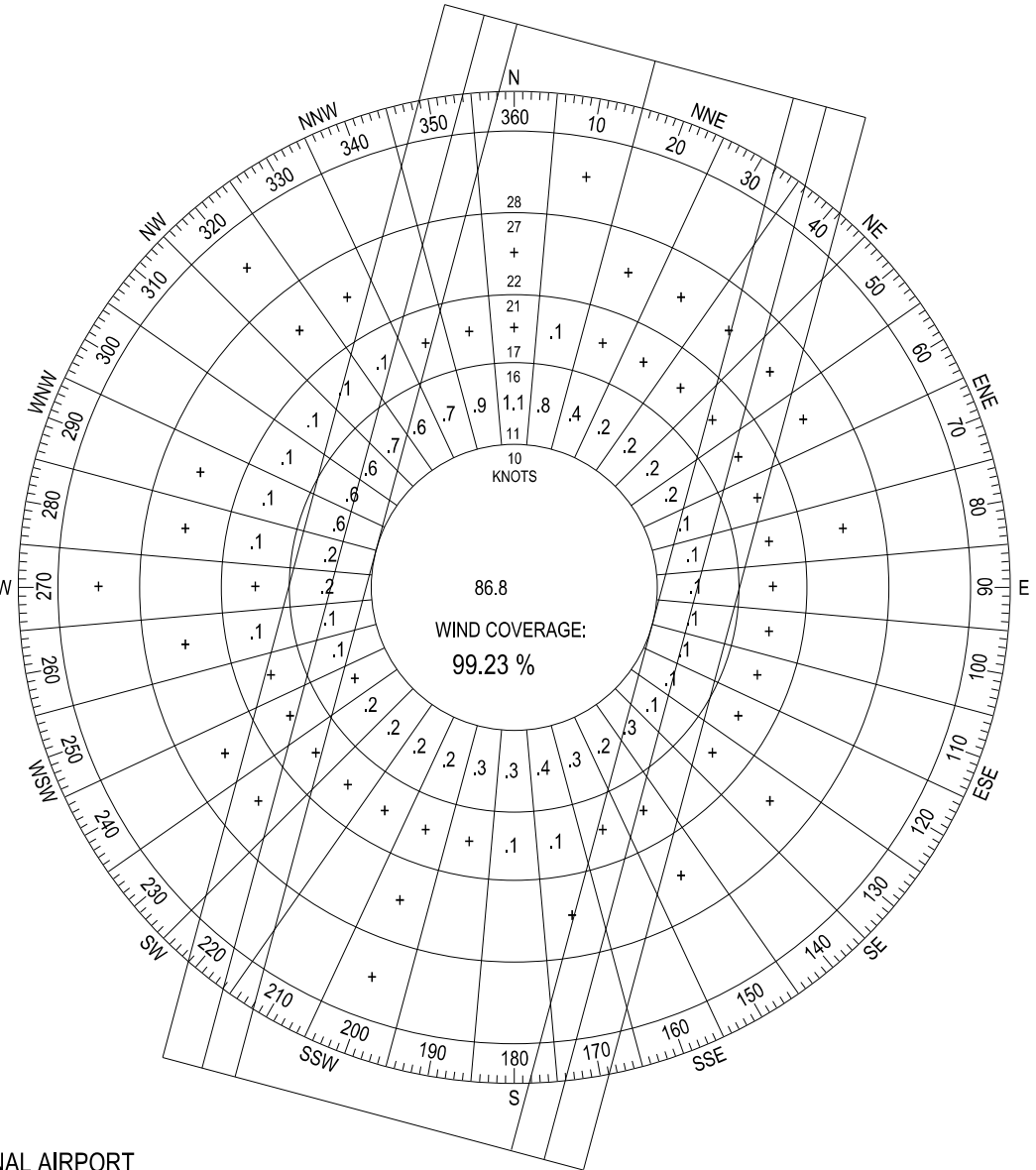
DECLARED DISTANCES - EXISTING & FUTURE				
RUNWAY	TORA	TODA	ASDA	LDA
RUNWAY 2	6,001'	6,001'	6,001'	6,001'
RUNWAY 20	6,001'	6,001'	6,001'	6,001'

2016 PACS & SACS					
Designation	Latitude	Longitude	Elevation	Ellipsoid Height	Description
JWN A	N36°11'07.12678"	W86°52'59.07638"	150.759	121.352	PACS/CBN
JWN B	N36°10'30.95100"	W86°53'18.74500"	138.942	109.552	SACS/CBN
JWN D	N36°11'25.63399"	W86°52'58.49114"	150.025	120.612	SACS



STATION: 723270 NASHVILLE INTERNATIONAL AIRPORT
SOURCE: NOAA NCDC
PERIOD: 2006-2016
ALL WEATHER OBSERVATIONS: 127,748
IFR OBSERVATIONS: 11,040
NOTE: ONE FULL YEAR OF WIND DATA AT JWN WAS UNAVAILABLE, BNA DATA UTILIZED

ALL WEATHER WIND ROSE	
CROSSWIND COMPONENT	RUNWAY 2-20
10.5 KNOTS (12 MPH)	97.15
13 KNOTS (14 MPH)	98.61
16 KNOTS (18 MPH)	99.17



IFR WIND ROSE	
CROSSWIND COMPONENT	RUNWAY 2-20
10.5 KNOTS (12 MPH)	95.17
13 KNOTS (14 MPH)	97.42
16 KNOTS (18 MPH)	99.23

AIRPORT DATA		
AIRPORT DATA	EXISTING	FUTURE
AIRPORT REFERENCE CODE (ARCC)	C-II	C-II
MEAN MAX. TEMP. OF HOTTEST MONTH	89.3	N/A
AIRPORT ELEVATION (MSL)	501.0'	501.0'
AIRPORT TERMINAL NAVAIDS	BEACON, GPS, ILS	
AIRPORT REFERENCE POINT (NAD 83)		
LATITUDE	36-10-58.8786N	36-10-58.8786N
LONGITUDE	086-53-11.3832W	086-53-11.3832W
MISCELLANEOUS FACILITIES		
CRITICAL AIRCRAFT	WINGSPAN: 77.82'	WINGSPAN: 77.82'
	UNDERCARRIAGE WIDTH: 20.41'	UNDERCARRIAGE WIDTH: 20.41'
	TAIL HEIGHT: 24.5'	TAIL HEIGHT: 24.5'
NPIAS SERVICE LEVEL	RELIEVER	RELIEVER
STATE SERVICE LEVEL	REGIONAL SERVICE	REGIONAL SERVICE

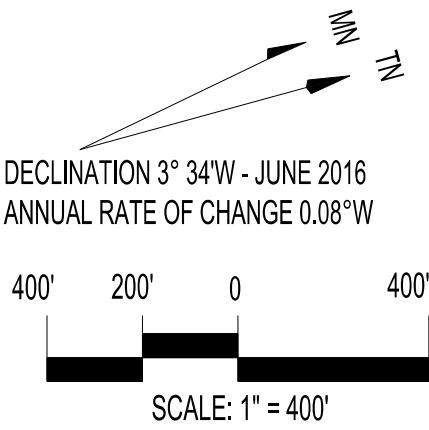
Notes	
1	Existing FBO terminal will be removed for new hangar
2	Fuel Farm to be removed
3	Fence line follows property line

EXISTING FACILITIES			
#	FACILITY NAME	TOP EL. (AMSL)	MNAA BLDG #
1	FBO TERMINAL BUILDING	492'	4110
2	T-HANGAR	498'	4100
3	T-HANGAR	495'	4110
4	T-HANGAR	493'	4120
5	T-HANGAR	490'	4130
6	T-HANGAR	493'	4140
7	BOX HANGAR	498'	4150
8	SHADE PORT	485'	4370
9	T-HANGAR	493'	4360
10	T-HANGAR	490'	4350
11	T-HANGAR	493'	4340
12	T-HANGAR	490'	4330
13	T-HANGAR	490'	4320
14	T-HANGAR	490'	4310
15	T-HANGAR	490'	4300
16	BOX HANGAR	495'	4530
17	BOX HANGAR	495'	4520
18	BOX HANGAR	495'	4510
19	BOX HANGAR	495'	4500
20	SHADE PORT	485'	4470
21	T-HANGAR	490'	4460
22	T-HANGAR	483'	4450
23	T-HANGAR	487'	4440
24	T-HANGAR	485'	4420
25	T-HANGAR	485'	4410
26	T-HANGAR	485'	4400
27	STATE HANGAR	524'	7335
28	LOCALIZER BUILDING	459'	4101X
29	GLIDESLOPE SHELTER	497'	4020
30	AIR TRAFFIC CONTROL TOWER	589'	4020

Legend		
Description	Existing	Ultimate
Runway Centerline	—	—
Runway Safety Area (RSA)	—	—
Runway Object Free Area (ROFA)	—	—
Runway Protection Zone (RPZ)	—	—
Taxiway Object Free Zone (TOFA)	—	—
Building Restriction Line (BRL)	—	—
Localizer / Glideslope Critical Area	—	—
AWOS Critical Area	—	—
Threshold Lights	—	—
REILS	—	—
PAPI	—	—
Runway/Taxiway Light	—	—
Windsock	—	—
MALSAR	—	—
Rotating Beacon	—	—
Airport Reference Point	—	—
Paved Runway Surface	—	—
Paved Taxiway Surface	—	—
Paved Apron Surface	—	—
Roads	—	—
Parking	—	—
Airport Buildings	—	—
Other Buildings	—	—
Building Identification Number	—	—
Airport Property Line / Easements	—	—
Other Property Lines	—	—
TERPS Glideslope Qualification Surface	—	—
Railroad	—	—
Fence	—	—
Tree Line	—	—
Water/Wetland	—	—
Ground Elevations Contours	—	—
Surface Elevation	—	—
Aviation Licensment	—	—
Electrical/Telephone Pole	—	—
Survey Monument	—	—
EMAS	—	—

RUNWAY DATA			
RUNWAY DATA		RUNWAY 2 EXISTING	RUNWAY 20 EXISTING
RUNWAY DESIGN CODE		C-II-4000	C-II-4000
DEPARTURE REFERENCE CODE		D/IV - D/V	D/IV - D/V
APPROACH REFERENCE CODE		D/IV/4000 & D/V/4000	D/IV/4000 & D/V/4000
PAVEMENT STRENGTH	SINGLE WHEEL	35,000 lb	35,000 lb
	DUAL WHEEL	97,000 lb	97,000 lb
	DUAL TANDUM WHEEL	190,000 lb	190,000 lb
PAVEMENT TYPE		ASPHALT	ASPHALT
PAVEMENT STRENGTH BY PCN		23/F/A/X/T	23/F/A/X/T
EFFECTIVE GRADIENT		0.70%	-0.70%
% WIND COVERAGE	10.5 KNOTS	53.24%	62.26%
	13.0 KNOTS	54.05%	62.91%
	16.0 KNOTS	54.65%	63.41%
RUNWAY LENGTH		6,001'	6,001'
RUNWAY WIDTH		100'	100'
EMAS WIDTH		121'	N/A
EMAS LENGTH		186'	N/A
DISPLACED THRESHOLD		N/A	N/A
DISPLACED THRESHOLD ELEVATION		N/A	N/A
RUNWAY SAFETY AREA (RSA)	BEYOND RUNWAY END WIDTH	1000'	600' ¹
		400' ²	400' ²
RUNWAY END COORDINATES		36-10-30.1876N 086-53-20.7097W	36-11-27.5688N 086-53-02.0598W
RUNWAY END ELEVATIONS (MSL)		458.6'	501.0'
RUNWAY LIGHTING	MIRL	MIRL	MIRL
	INNER WIDTH	500	500
	OUTER WIDTH	1,010	1,010
DEPARTURE RUNWAY PROTECTION ZONE (RPZ)	LENGTH	1,700	1,700
	INNER WIDTH	1,000	1,000
	OUTER WIDTH	1,510	1,510
APPROACH RUNWAY PROTECTION ZONE (RPZ)	LENGTH	1,700	1,700
		1,700	2,500
RUNWAY MARKING		NON-PRECISION	PRECISION
FAR PART 77 APPROACH CATEGORY		34:1	50:1 / 40:1
FAR PART 77 APPROACH TYPE		C-NP	PIR
APPROACH VISIBILITY MINIMUMS		7/8 MILE	7/8 MILE 1/2 MILE
TYPE OF AERONAUTICAL SURVEY REQUIRED FOR APPROACH		VGS	VGS
RUNWAY DEPARTURE SURFACE		YES	YES
RUNWAY OBJECT FREE AREA (ROFA)	BEYOND RUNWAY END WIDTH	1000'	600' [*]
		800'	800'
RUNWAY OBJECT FREE ZONE (ROFZ)	BEYOND RUNWAY END WIDTH	200'	200'
		400'	400'
THRESHOLD SITING SURFACE		20:1	34:1
GLIDESLOPE QUALIFICATION SURFACE		30:1	30:1
INSTRUMENT APPROACH AIDS		GPS	ILS, GPS, DME
VISUAL APPROACH AIDS		PAPI-4L, REIL	PAPI-4L, REIL
TOUCHDOWN ZONE ELEVATION (TDZE)		483.6	501.0'
TAXIWAY & TAXILANE WIDTH		40'	40'
TAXIWAY & TAXILANE SAFETY AREAS (TSA)		79'	79'
TAXIWAY & TAXILANE OBJECT FREE AREA (TOFA)		124' & 110'	124' & 110'
TAXIWAY DESIGN GROUP (TDG)		2	2
TAXIWAY EDGE SAFETY MARGIN (TESM)		15'	15'
TAXIWAY LIGHTING		MITL	MITL
TAXIWAY AND TAXILANE SEPARATION		N/A	N/A
¹ NONSTANDARD DIMENSION MITIGATED BY EMAS			

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CONSTRUCTION NOTICE REQUIREMENT

TO PROTECT OPERATIONAL SAFETY AND FUTURE DEVELOPMENT, ALL PROPOSED CONSTRUCTION ON THE AIRPORT MUST BE COORDINATED BY THE AIRPORT OWNER WITH THE TENNESSEE DEPARTMENT OF TRANSPORTATION - AERONAUTICS DIVISION PRIOR TO CONSTRUCTION. THIS COORDINATION AND REVIEW TAKES APPROXIMATELY NINETY (90) DAYS.

ALP APPROVAL BLOCK

DocuSigned by:
Douglas E. Bradley, D.E.
METROPOLITAN NASHVILLE AIRPORT AUTHORITY

4/24/2023
DATE

John C. Tune
Airport

JOHN C. TUNE AIRPORT
AIRPORT LAYOUT PLAN UPDATE

AIRPORT LAYOUT DRAWING

DATE: March 17, 2023

SHEET

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