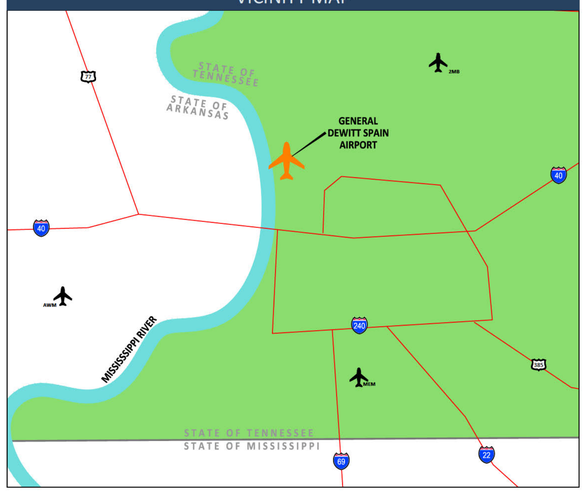
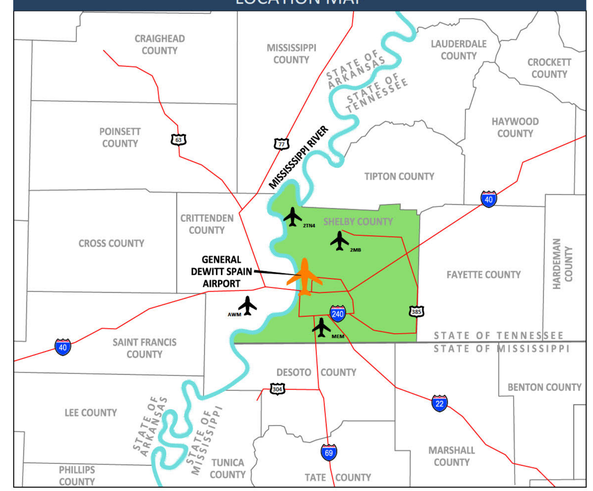
GENERAL DEWITT SPAIN AIRPORT
AIRPORT LAYOUT PLAN

VICINITY MAP



LOCATION MAP



DRAWING INDEX

SHEET NUMBER	SHEET NAME
1	TITLE SHEET
2	AIRPORT DATA SHEET
3	EXISTING/FUTURE AIRPORT LAYOUT PLAN DRAWING & TERMINAL AREA DRAWING
4	AIRPORT AIRSPACE DRAWING
5	RWY 17 INNER APPROACH & RWY 35 DEPARTURE - EXISTING PLAN & PROFILE
6	RWY 17 INNER APPROACH & RWY 35 DEPARTURE - FUTURE PLAN & PROFILE
7	RWY 35 INNER APPROACH & RWY 17 DEPARTURE - EXISTING PLAN & PROFILE
8	RWY 35 INNER APPROACH & RWY 17 DEPARTURE - FUTURE PLAN & PROFILE
9	RWY 17-35 - EXISTING AND FUTURE PLAN & PROFILE
10	LAND USE DRAWING
11	EXHIBIT "A" AIRPORT PROPERTY INVENTORY MAPS
12	CAPITAL IMPROVEMENT PROJECTS DRAWING

AIRPORT DATA & GOVERNING AUTHORITY/OFFICIALS

GENERAL DEWITT SPAIN AIRPORT (M01)

ADDRESS: 2787 N. 2ND STREET, MEMPHIS, TN 38127

GOVERNING AUTHORITY - MEMPHIS SHELBY COUNTY AIRPORT AUTHORITY

AIRPORT MANAGER - JASON MCBRIDE

TENNESSEE GOVERNOR - BILL LEE

TDOT COMMISSIONER (INTERIM) - JOE GALBATO, III

TDOT AERONAUTICS DIRECTOR (INTERIM) - JAY NORRIS, P.E.

TAD CHIEF ENGINEER - JOHN PAUL SAALWAECHTER, P.E.

TDOT PROJECT MANAGER - JIM CURREY, P.E.

FAA DISCLAIMER

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CONSTRUCTION NOTICE

THESE ALP DRAWINGS ARE FOR PLANNING PURPOSES ONLY. THE DRAWING INFORMATION, INCLUDING LOCATION DETAILS AND ELEVATIONS SHOULD NOT BE USED FOR CONSTRUCTION. TO PROTECT THE AIRPORT'S OPERATIONAL SAFETY AND FUTURE DEVELOPMENT, ALL PROPOSED CONSTRUCTION ON THE AIRPORT MUST BE COORDINATED BY THE AIRPORT OWNER WITH FAA/STATE AERONAUTICS PRIOR TO CONSTRUCTION.

AN FAA FORM 7460 SHALL BE SUBMITTED TO EVALUATE THE EFFECT OF PROPOSED CONSTRUCTION ON THE AIRPORT OR ALTERATION ON AIR NAVIGATION EXCEEDING 14 CFR, PART 77. FILING THE FAA FORM 7460 DOES NOT RELIEVE THE SPONSOR FROM COMPLYING WITH OTHER FEDERAL, STATE OR LOCAL RULES AND REGULATIONS.

General DeWitt Spain Airport

RUNWAY DATA TABLE

RUNWAY		17		35	
ITEM		EXISTING	FUTURE	EXISTING	FUTURE
RUNWAY DESIGN CODE (RDC)		B-II 5000	SAME	B-II VIS	B-II 5000
AIRCRAFT APPROACH CATEGORY		B	SAME	B	SAME
APPROACH REFERENCE CODE		B-I(S)-5000	B-II-5000	B-I(S)-VIS	B-II 5000
DEPARTURE REFERENCE CODE		B-I(S)	B-II	B-I(S)	B-II
RUNWAY PAVEMENT STRENGTH (X 1,000 LBS)		SW 25	SAME	SW 25	SAME
SURFACE MATERIAL TYPE		ASPHALT	SAME	ASPHALT	SAME
MAXIMUM EFFECTIVE GRADIENT (%)		0.19%	SAME	0.19%	SAME
RUNWAY LENGTH		3,799'	4,700'	3,799'	4,700'
RUNWAY WIDTH		75'	SAME	75'	SAME
RUNWAY END ELEVATION (MSL)		224.8	229.0	224.8	225.2
DISPLACED THRESHOLD DISTANCE		N/A	200'	N/A	N/A
DISPLACED THRESHOLD ELEVATION (MSL)		N/A	225.3	N/A	N/A
RUNWAY SAFETY AREA (RSA) LENGTH		300'	SAME	300'	SAME
RUNWAY SAFETY AREA (RSA) WIDTH		150'	SAME	150'	SAME
RUNWAY END COORDINATES	LATITUDE (NAD83)	35° 12' 20.77"	35° 12' 26.35"	35° 11' 44.22"	35° 11' 41.14"
	LONGITUDE (NAVD88)	90° 03' 19.63"	90° 03' 21.26"	90° 03' 08.99"	90° 03' 08.10"
DISPLACED THRESHOLD COORDINATES	LATITUDE (NAD83)	N/A	35° 12' 24.42"	N/A	N/A
	LONGITUDE (NAVD88)	N/A	90° 03' 20.70"	N/A	N/A
RUNWAY LIGHTING		MIRL	SAME	MIRL	SAME
APPROACH RUNWAY PROTECTION ZONE (RPZ)	LENGTH	1,000'	SAME	1,000'	SAME
	INNER WIDTH	500'	SAME	500'	SAME
	OUTER WIDTH	700'	SAME	700'	SAME
DEPARTURE RUNWAY PROTECTION ZONE	LENGTH	1,000'	SAME	1,000'	SAME
	INNER WIDTH	500'	SAME	500'	SAME
	OUTER WIDTH	700'	SAME	700'	SAME
RUNWAY MARKING		NON-PRECISION	SAME	NON-PRECISION	SAME
FAR PART 77 APPROACH CATEGORY		A(NP) - 20:1	C - 34:1	A(V) - 20:1	C - 34:1
APPROACH TYPE		NPI	SAME	VISUAL	NPI
FAR PART 77 APPROACH SURFACE	WIDTH OF PRIMARY SURFACE	500'	SAME	500'	SAME
	WIDTH AT OUTER END	2,000'	3,500'	1,250'	3,500'
	LENGTH	5,000'	10,000'	5,000'	10,000'
VISIBILITY MINIMUMS		1 MILE	SAME	VISUAL	1 MILE
AERONAUTICAL SURVEY REQUIRED		VGS	SAME	NVGS	VGS
TERPS DEPARTURE SURFACE/OCS		40:1 INSTRUMENT	SAME	40:1 INSTRUMENT	SAME
RUNWAY OBJECT FREE AREA (ROFA) LENGTH		300'	SAME	300'	SAME
RUNWAY OBJECT FREE AREA (ROFA) WIDTH		500'	SAME	500'	SAME
RUNWAY OBSTACLE FREE ZONE (ROFZ) LENGTH		200'	SAME	200'	SAME
RUNWAY OBSTACLE FREE ZONE (ROFZ) WIDTH		250'	SAME	250'	SAME
THRESHOLD SITING SURFACE (TSS)		TYPE 4 (20:1) | TYPE 6 (30:1)	SAME	TYPE 2 (20:1)	TYPE 4 (20:1) | TYPE 6 (30:1)
TSS OBJECT PENETRATION(S)		NONE	SAME	NONE	SAME
VISUAL APPROACH AIDS		PAPI-2L / REIL	SAME	PAPI-2L / REIL	SAME
INSTRUMENT APPROACH AIDS		GPS	SAME	N/A	GPS
TOUCHDOWN ZONE ELEVATION (MSL)		225.0	SAME	225.0	SAME
WIND COVERAGE (CROSSWIND COMPONENT)		13 KNOTS	SAME	13 KNOTS	SAME

TAXIWAY/TAXILANE DATA TABLE

NAME	DIMENSIONS				SEPARATION FROM TAXIWAY CL TO FIXED/MOVABLE OBJECT	LIGHTING
	WIDTH	SHOULDER	TSA	OFA		
A	40'	0'	79'	131'	65.5'	MITL
A1	40'	0'	79'	131'	65.5'	MITL
A2	40'	0'	79'	131'	65.5'	MITL
A3	40'	0'	79'	131'	65.5'	MITL
A4	40'	0'	79'	131'	65.5'	MITL
A5	40'	0'	79'	131'	65.5'	MITL

NOTE: ALL TAXIWAYS/TAXILANES ARE DESIGNED TO ACCOMMODATE AIRCRAFT DESIGN GROUP (ADG) II AIRCRAFT AND ARE DESIGNED AT TAXIWAY DESIGN GROUP (TDG) 2 STANDARDS. STANDARD WIDTH IS 35 FEET, AND FUTURE PAVEMENT WILL BE CONSTRUCTED TO THOSE STANDARDS WHEN REPLACED.

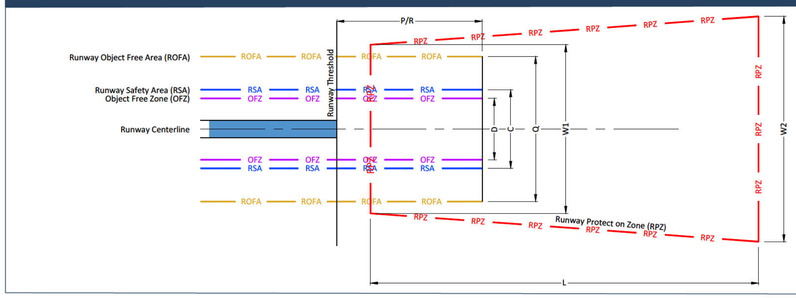
DECLARED DISTANCES

RUNWAY	17		35	
ITEM	EXISTING	FUTURE	EXISTING	FUTURE
TAKE OFF RUN AVAILABLE (TORA)	3,799'	4,700'	3,799'	4,700'
TAKE OFF DISTANCE AVAILABLE (TODA)	3,799'	4,700'	3,799'	4,700'
ACCELERATE STOP DISTANCE AVAILABLE (ASDA)	3,799'	4,700'	3,799'	4,500'
LANDING DISTANCE AVAILABLE (LDA)	3,799'	4,500'	3,799'	4,500'

AIRPORT DATA TABLE

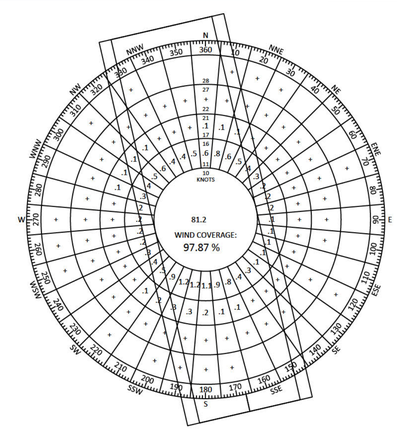
ITEM		EXISTING	FUTURE
AIRPORT REFERENCE CODE (ARC)		B-II	SAME
MEAN MAX. TEMPERATURE (HOTTEST MONTH)		89° JULY	SAME
AIRPORT ELEVATION (NAVD88)		225.0'	229.0'
AIRPORT NAVIGATIONAL AIDS		VOT, VORTAC, VOR/DME, NDB, PAPI, REIL	SAME
AIRPORT REFERENCE POINT	LATITUDE (N)	35° 12' 02.49"	35° 12' 03.74"
	LONGITUDE (W)	90° 03' 14.31"	90° 03' 14.68"
	DATUMS	NAD 83	SAME
MISCELLANEOUS FACILITIES		AIRPORT BEACON, MITL, LIGHTED WINDSOCK, AWOS A	AIRPORT BEACON, MITL, LIGHTED WINDSOCK, AWOS III
AIRPORT CRITICAL / DESIGN AIRCRAFT TYPE		KING AIR 200	SAME
AIRPORT MAGNETIC VARIATION	DECLINATION	1.34° W	SAME
	ANNUAL RATE OF CHANGE	0.34° W	SAME
	DATE	11/6/2018	SAME
	SOURCE	NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION	SAME
FAA NPIAS SERVICE LEVEL		REGIONAL RELIEVER	SAME
STATE SERVICE LEVEL		COMMUNITY BUSINESS	SAME
AIRPORT OWNER		MEMPHIS SHELBY COUNTY AIRPORT AUTHORITY	SAME
AIRPORT ACREAGE		181	183.35

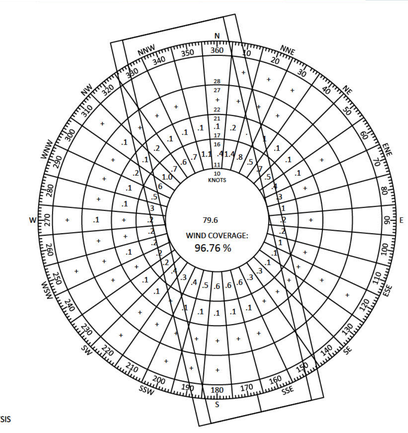
RUNWAY SAFETY AREAS



LEGEND

ITEM	DESCRIPTION
C	Runway Safety Area (RSA)
D	Object Free Zone (OFZ)
L	Runway Protection Zone (RPZ) - Length
P/R	Length Beyond Threshold
Q	Runway Object Free Area (ROFA)
W1	Runway Protection Zone (RPZ) - Inner Width
W2	Runway Protection Zone (RPZ) - Outer Width





SOURCE:
NATIONAL CLIMATIC DATA CENTER
WEATHER STATION 723340
GENERAL DEWITT SPAIN AIRPORT
DATA PERIOD: 2008 THROUGH 2017
FAA AIRPORTS GIS PROGRAM
AIRPORT DESIGN TOOLS STANDARD WIND ANALYSIS

MODIFICATION OF DESIGN STANDARDS

NO.	STANDARD MODIFIED	FAA STANDARD	EXISTING CONDITION	PROPOSED ACTION	AIRSPACE CASE #	DATE APPROVED
1	NAVAID (WINDCONE) INSIDE ROFA	NAVAID NOT FIXED BY FUNCTION	INSIDE ROFA, ON FRANGIBLE CONNECTIONS	NONE (SEE NOTE #2)		
2						
3						

ALL WEATHER COVERAGE TABLE

CROSSWIND COMPONENT	17-35
12 MPH (10.5 KNOTS)	95.25%
15 MPH (13 KNOTS)	97.87%
18 MPH (16 KNOTS)	99.54%
23 MPH (20 KNOTS)	99.91%

IMC COVERAGE TABLE

CROSSWIND COMPONENT	17-35
12 MPH (10.5 KNOTS)	93.84%
15 MPH (13 KNOTS)	96.76%
18 MPH (16 KNOTS)	98.92%
23 MPH (20 KNOTS)	99.64%

ALP Prepared By

JACOBSEN | DANIELS
Planning, Implementation, Operations & Management

Drawn: LDJ
Approved: SRG
Date: 03-28-2022
Project No.: 09-130-18-00

No.	Date	Revisions

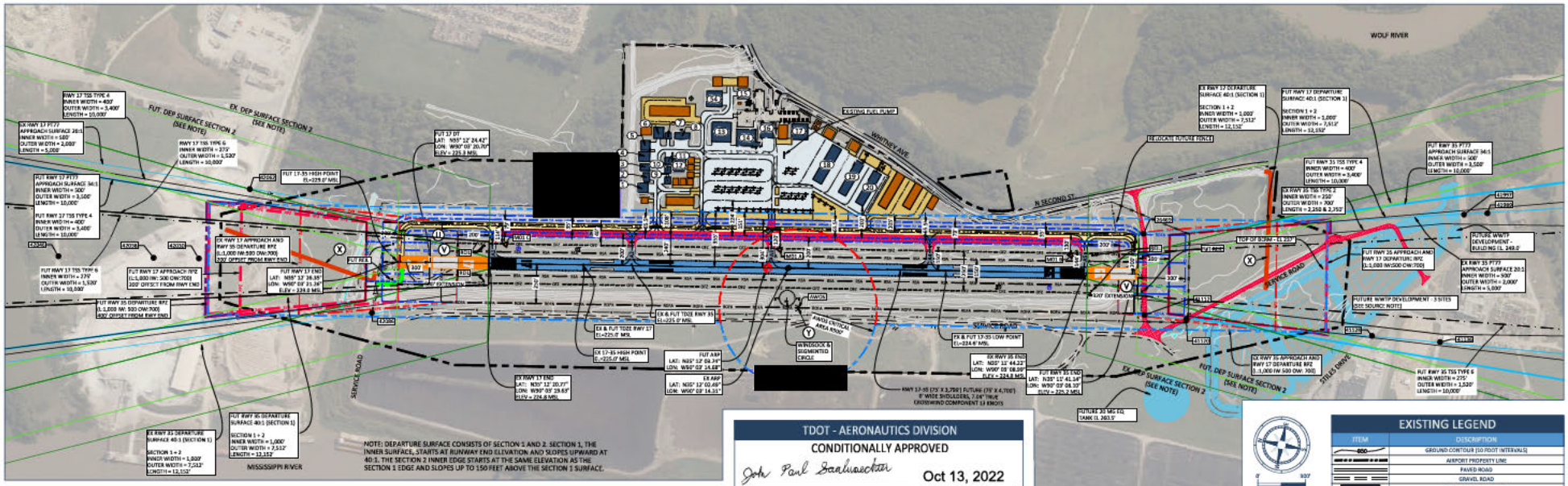
FAA'S APPROVAL OF THIS AIRPORT LAYOUT PLAN (ALP) REPRESENTS ACCEPTANCE OF THE GENERAL LOCATION OF FUTURE FACILITIES DEPICTED (SHEET I7144C04). DURING THE PRELIMINARY DESIGN PHASE, THE AIRPORT OWNER IS REQUIRED TO RESUBMIT FOR APPROVAL THE FINAL LOCATIONS, HEIGHTS, AND EXTERIOR FINISH OF STRUCTURES. FAA'S CONCERN IS OBSTRUCTIONS, IMPACT ON ELECTRONIC AIDS, OR ADVERSE EFFECTS ON CONTROLLER VIEW OF AIRCRAFT APPROACHES AND GROUND MOVEMENT AREAS WHICH COULD ADVERSELY AFFECT THE SAFETY, EFFICIENCY, OR UTILITY OF THE AIRPORT.

Notes
1. RUNWAY 17-35 SAFETY AREA INVENTORY WAS COMPLETED ON 07-20-2021
2. WINDCONE INSIDE ROFA WILL BE RELOCATED/ADDRESSED WHEN WINDCONE IS REPLACED OR UPGRADED

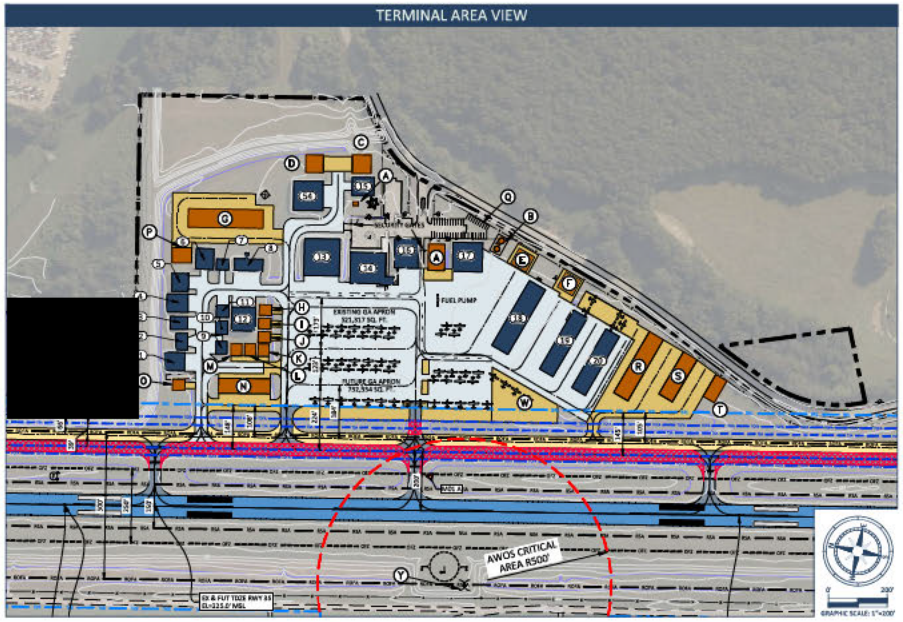
Sources

AIRPORT DATA SHEET

AIRPORT LAYOUT PLAN DRAWING SET



TERMINAL AREA VIEW



TDOT - AERONAUTICS DIVISION

CONDITIONALLY APPROVED

John Paul Saalwaechter — SIGNATURE

Oct 13, 2022 — DATE

John Saalwaechter — PRINTED NAME

State Block Grant Program
Tennessee Dept. of Transportation
Subject to comments in Approval Letter

MSCAA - AIRPORT SPONSOR

Scott A Brockman
Scott A Brockman (Sep 21, 2022 07:02 CDT)
NAME, TITLE

Sep 21, 2022 — DATE

PACS/SACS DATA

LABEL	EASTING	NORTHING	ELEV	Type
M01 A	757739.9	342886.6	222.64	PACS
M01 B	758889.0	339972.3	221.85	SACS
M01 C	757411.7	342397.0	222.47	SACS

TRAVERSEWAY ELEVATION DATA

OBJECT ID	DESCRIPTION	TOP ELEV MSL	P77 PFN VALUE (FEET)	DISPOSITION
28499	STILES DR.	223.6	-6.9	N/A
41112	STILES DR.	228.5	-4.6	N/A
41120	SERVICE ROAD	229.8	-16.7	N/A
41128	STILES DR.	238.3	-47.2	N/A
41196	PRIVATE ROAD	236.3	-70.7	N/A
41482	PRIVATE ROAD	248.3	-119.9	N/A
41490	N. MUD ISLAND DR.	249.1	-158.6	N/A
41963	PRIVATE ROAD	244.4	-228.5	N/A
41973	PRIVATE ROAD	243.6	-270.3	N/A
41981	N. MUD ISLAND DR.	246.0	-181.4	N/A
41989	PRIVATE ROAD	226.5	-114.9	N/A
41997	STILES DR.	247.1	-86.9	N/A
42030	PRIVATE ROAD	243.3	-81.4	N/A
42038	PRIVATE ROAD	243.3	-75.8	N/A
42046	PRIVATE ROAD	243.1	-106.4	N/A
42062	PRIVATE ROAD	246.9	-44.2	N/A
42086	SERVICE ROAD	246.8	-4.9	N/A

EXISTING FACILITIES LEGEND

ID	TENANT/ DESCRIPTION	TOP ELEVATION
1	CONVENTIONAL HANGAR	230.8
2	CONVENTIONAL HANGAR	244.2
3	CONVENTIONAL HANGAR	243.5
4	CONVENTIONAL HANGAR	250.1
5	CONVENTIONAL HANGAR	249.7
6	CONVENTIONAL HANGAR	242.6
7	CONVENTIONAL HANGAR	244.8
8	CONVENTIONAL HANGAR	243.7
9	CONVENTIONAL HANGAR	242.9
10	CONVENTIONAL HANGAR	243.2
11	CONVENTIONAL HANGAR	246.3
12	CONVENTIONAL HANGAR	236.7
13	CONVENTIONAL HANGAR	249.1
14	FLIGHT SCHOOL & MSCAA TERMINAL BUILDING	252.7
15	CONVENTIONAL HANGAR	248.1
16	MSCAA MAINTENANCE HANGAR	247.7
17	CONVENTIONAL HANGAR	238.7
18	T-HANGAR	243.7
19	T-HANGAR	240.2
20	T-HANGAR	240.7
54	CONVENTIONAL HANGAR	231.6

NOTE: EXISTING FACILITIES HAVE NO IMPACT TO THE AIRPORT'S PART 77, APPROACH, OR DEPARTURE SURFACES

FUTURE FACILITIES/PROJECTS LEGEND

ID	FACILITY DESCRIPTION	TOP ELEVATION
A	TERMINAL & GTF-SITE ELECTRICAL VAULT	240.0-250.0
B	FUEL FARM	250.0
C	EQUIPMENT STORAGE	246.0
D	CONVENTIONAL HANGAR	251.0
E	CONVENTIONAL HANGAR	244.0
F	CONVENTIONAL HANGAR	244.0
G	T-HANGAR	256.0
H	T-HANGAR	256.0
I	T-HANGAR	256.0
J	T-HANGAR	256.0
K	T-HANGAR	256.0
L	T-HANGAR	256.0
M	T-HANGAR	256.0
N	T-HANGAR	256.0
O	T-HANGAR	256.0
P	T-HANGAR	256.0
Q	PARKING LOT EXPANSION	256.0
R	T-HANGAR	241.0
S	T-HANGAR	241.0
T	T-HANGAR	241.0
U	TAXIWAY EXTENSION	N/A
V	RUNWAY EXTENSION	N/A
W	APRON EXPANSION	N/A
X	BERM	237.0-240.0
Y	AWOS IMPROVEMENT	N/A

EXISTING LEGEND

ITEM	DESCRIPTION
600	GROUND CONTOUR (10 FOOT INTERVALS)
	AIRPORT PROPERTY LINE
	PAVED ROAD
	GRAVEL ROAD
	STRUCTURES ON AIRPORT
	RUNWAY PAVEMENT & MARKINGS
	TAXIWAY PAVEMENT
	APRON PAVEMENT
	AIRPORT REFERENCE POINT
	FENCE (7 FEET)
	ROTATING BEACON
RPZ	RUNWAY PROTECTION ZONE (RPZ)
	PART 77 SURFACE
	THRESHOLD SITING SURFACE (TSS)
	DEPARTURE SURFACE
	FACILITY IDENTIFIER
	AUTOMATED WEATHER OBSERVING SYSTEM (AWOS)
	PRECISION APPROACH PATH INDICATOR (PAPI)
	WINDSOCK
	PACS/SACS
	ELECTRICAL TOWER
	RUNWAY END IDENTIFIER LIGHTS (REIL)
ROFA	RUNWAY OBJECT FREE AREA (ROFA)
RSA	RUNWAY SAFETY AREA (RSA)
OFZ	OBJECT FREE ZONE (OFZ)
	DRAINAGE DITCH

FUTURE LEGEND

ITEM	DESCRIPTION
	STRUCTURES ON AIRPORT
	RUNWAY PAVEMENT & MARKINGS
	TAXIWAY PAVEMENT
	APRON PAVEMENT
	[redacted]
	AIRPORT REFERENCE POINT
	FENCE (7 FEET)
BRL	BUILDING RESTRICTION LINE (BRL) - 33 FEET
ROFA	RUNWAY OBJECT FREE AREA (ROFA)
RSA	RUNWAY SAFETY AREA (RSA)
OFZ	OBJECT FREE ZONE (OFZ)
TOFA	TAXIWAY OBJECT FREE AREA (TOFA)
TSA	TAXIWAY SAFETY AREA (TSA)
RPZ	RUNWAY PROTECTION ZONE (RPZ)
	PART 77 SURFACE
	THRESHOLD SITING SURFACE (TSS)
	DEPARTURE SURFACE
	AWOS CRITICAL AREA
A	FACILITY IDENTIFIER
	[redacted]
	SERVICE ROAD
	PAVEMENT REMOVAL
	STILES WWTP EXPANSION
	[redacted]
	PRECISION APPROACH PATH INDICATOR (PAPI)
	RUNWAY END IDENTIFIER LIGHTS (REIL)

ALP Prepared By

JACOBSEN | DANIELS
Planning. Implementation. Operations & Management

Drawn:	LEU
Approved:	SRG
Date:	09-28-2022
Project No.:	00-130-18-00

No.	Date	Revisions

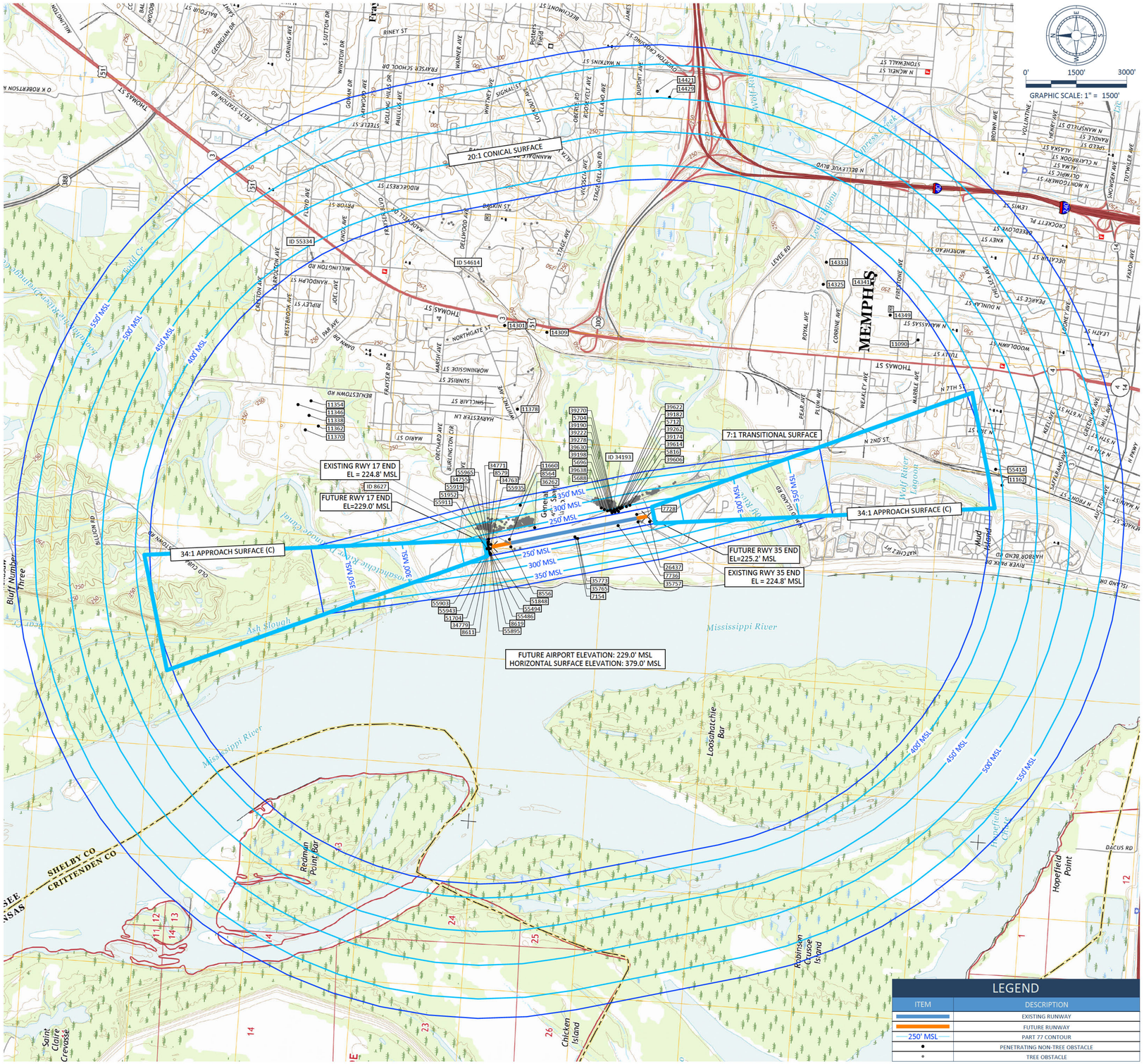
FAA'S APPROVAL OF THIS AIRPORT LAYOUT PLAN (ALP) REPRESENTS ACCEPTANCE OF THE GENERAL LOCATION OF FUTURE FACILITIES DEPICTED (SHEET 17144CD4). DURING THE PRELIMINARY DESIGN PHASE, THE AIRPORT OWNER IS REQUIRED TO RESUBMIT FOR APPROVAL THE FINAL LOCATIONS, HEIGHTS, AND EXTERIOR FINISH OF STRUCTURES. FAA'S CONCERN IS OBSTRUCTIONS, IMPACT ON ELECTRONIC AIDS, OR ADVERSE EFFECTS ON CONTROLLER VIEW OF AIRCRAFT APPROACHES AND GROUND MOVEMENT AREAS WHICH COULD ADVERSELY AFFECT THE SAFETY, EFFICIENCY, OR UTILITY OF THE AIRPORT.

Notes:
1. Additional details, including pavement width and surface dimensions, can be found on Sheet 3 (Data Sheet). Existing TOFA and TSA for Taxiway A is not shown for clarity.
2. The BRL is an outline of the Runway Protection Zone (RPZ), Obstacle Free Zone (OFZ), and Object Free Areas (OFA), the surface is offset to allow building heights up to 33 feet without penetrating the 7:1 Part 77 Transitional Surface. Building shown inside the BRL do not penetrate the Part 77 Transitional Surface.
3. Navaids located within the RSA include only Runway lighting. (MIRL and REIL)

Sources:
1. The map compiled by photogrammetric methods from aerial photography dated 08-15-2016. Survey based on Tennessee State Plane Coordinate System. Horizontal datum based on NAD 83 (2011), Vertical datum based on NAVD 1988.
2. WWTP expansion was reviewed under airspace case numbers 2020-ASO-6762 to 6777-NRA and received a conditional no-objection determination. The development is being led by the WWTP not MSCAA.

MAGNETIC DECLINATION 1.47° W ± 0.34' May 23, 2020

AIRPORT LAYOUT PLAN DRAWING
AIRPORT LAYOUT PLAN DRAWING SET



SURFACE OBSTRUCTION TABLE

OBJECT ID	DESCRIPTION	SURFACE	TOP ELEV MSL	P77 PEN VALUE (FEET)	RESOLUTION
5688	POLE_UTIL	P77TS	269.0	6 5	LIGHT
5696	POLE_UTIL	P77TS	258.0	12.4	LIGHT
5704	POLE_UTIL	P77TS	259.1	12.9	LIGHT
5712	POLE_UTIL	P77TS	266.4	18.8	LIGHT
5816	POLE_UTIL	P77TS	268.4	21.0	LIGHT
7154	WINDSOCK	P77PS	252.4	27.1	FBF
7728	NAVAID	P77PS	227.2	2 0	FBF
7736	NAVAID	P77PS	227.4	2 2	FBF
8556	NAVAID	P77PS	228.0	2.7	FBF
8564	NAVAID	P77PS	226.9	1.6	FBF
8579	GROUND	P77PS	237.2	8.2	GRADE
8611	GROUND	P77PS	237.6	8.6	GRADE
8619	POST	P77PS	240.9	11.9	LIGHT
11090	POLE	P77HS	384.3	5 3	LIGHT
11162	CELL_TOWER	P77CS	417.2	17.9	LIGHT
11338	ANTENNA	P77HS	845.1	466.1	LIGHT
11346	ANTENNA	P77HS	646.3	267.3	LIGHT
11354	ANTENNA	P77HS	645.4	266.4	LIGHT
11362	ANTENNA	P77HS	645.6	266.6	LIGHT
11370	ANTENNA	P77HS	645.2	266.2	LIGHT
11378	WATER_TOWER	P77HS	424.3	45 3	LIGHT
11660	POWER_TRANSMISSION_PYLON	P77TS	357.3	15.1	FBF
14301	CELL_TOWER	P77HS	434.7	55.7	LIGHT
14309	CELL_TOWER	P77HS	424.1	45.1	LIGHT
14325	POWER_TRANSMISSION_PYLON	P77HS	387.7	8.7	FBF
14333	POWER_TRANSMISSION_PYLON	P77HS	387.2	8.2	FBF
14341	CHIMNEY/SMOKESTACK	P77HS	454.9	75.9	LIGHT
14349	CELL_TOWER	P77HS	397.0	18.0	LIGHT
14421	ANTENNA	P77CS	662.1	152.5	LIGHT
14429	ANTENNA	P77CS	661.8	160.9	LIGHT
26437	SECONDARY_ROAD	P77PS	227.3	2.1	LIGHT
34755	GROUND	P77PS	238.2	9.2	GRADE
34763	GROUND	P77PS	238.4	9.4	GRADE
34771	GROUND	P77PS	237.7	8.7	GRADE
34779	GROUND	P77PS	237.7	8.7	GRADE
35757	MISC_UTILITY	P77PS	226 5	1.2	FBF
35765	MISC_UTILITY	P77TS	229 2	2.3	FBF
35773	WSOP	P77TS	241.1	13.8	FBF
36262	GROUND	P77TS	237.6	1.1	GRADE
39174	PRIMARY_ROAD	P77TS	245 8	1.8	LIGHT
39182	PRIMARY_ROAD	P77TS	246.4	5 3	LIGHT
39190	PRIMARY_ROAD	P77TS	246.4	5.1	LIGHT
39198	PRIMARY_ROAD	P77TS	246 3	1.0	LIGHT
39222	STREET_SIGN	P77TS	249 9	11.2	LIGHT
39262	FENCE	P77TS	235 9	2.0	LIGHT
39270	FENCE	P77TS	236 0	1.9	LIGHT
39278	FENCE	P77TS	236 0	2.0	LIGHT
39606	UTILITY_LINE	P77TS	258 8	8.8	FBF
39614	UTILITY_LINE	P77TS	263 2	16.2	FBF
39622	UTILITY_LINE	P77TS	260 9	14.6	FBF
39630	UTILITY_LINE	P77TS	255.1	9.7	FBF
39638	UTILITY_LINE	P77TS	258 8	5.2	FBF
51704	BUSH	P77PS	234.4	5.4	TBR
51848	GROUND	P77PS	233 3	4 3	GRADE
51952	BUSH	P77PS	230.4	1.4	TBR
55414	TANK	P77CS	397.7	5 3	LIGHT
55486	POST	P77PS	239 8	10.8	LIGHT
55494	POST	P77PS	237 9	8 9	LIGHT
55895	BUSH	P77PS	235.6	6.6	TBR
55903	BUSH	P77PS	230 3	1.3	TBR
55911	BUSH	P77PS	233 0	4 0	TBR
55919	BUSH	P77PS	235.7	6.7	TBR
55935	GROUND	P77PS	230 2	1.2	GRADE
55943	BUSH	P77PS	232.1	3.1	TBR
55965	BUSH	P77PS	239 9	10.9	TBR

NOTE: TBR = TO BE REMOVED, FBF = FIXED BY FUNCTION (ALL TABLES)

FUTURE PART 77 AIRSPACE SURFACES TREE OBSTRUCTION TABLE

SURFACE	DESCRIPTION	OB ID OF HIGHEST TREE	TOP MSL ELEV OF HIGHEST TREE	AMOUNT OF PENETRATION	PENETRATING TREES		NON-PENETRATING TREES	
					QUANTITY	DISPOSITION	QUANTITY	TRIGGERING EVENT
P77PS	TREES	8627	239.9	10.9	3	TBR	2	NONE
P77TS	TREES	34193	322.7	74.7	405	TBR	150	NONE
P77AS	TREES			-	-	TBR	-	NONE
P77HS	TREES	54614	393.6	14.6	30	TBR	138	NONE
P77CS	TREES	55334	395.9	14.7	2	TBR	10	NONE

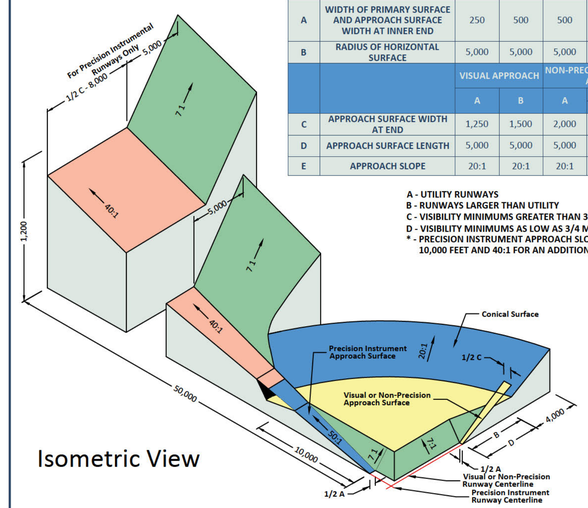
NOTE: TREES PENETRATING THE PART 77 SURFACES ARE SHOWN AS GREY COLORED DOTS. DATA OF INDIVIDUAL TREES CAN BE FOUND IN AGIS PROJECT #221824.

PROFILE VIEW

DIMENSIONAL STANDARDS (FEET)

DIM	ITEM	VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B		
					C	D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B		
					C	D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	-
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	-

A - UTILITY RUNWAYS
B - RUNWAYS LARGER THAN UTILITY
C - VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
D - VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
* - PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



Isometric View

LEGEND

ITEM	DESCRIPTION
	EXISTING RUNWAY
	FUTURE RUNWAY
250' MSL	PART 77 CONTOUR
•	PENETRATING NON-TREE OBSTACLE
*	TREE OBSTACLE

ALP Prepared By

JACOBSEN | DANIELS
Planning, Implementation, Operations & Management

Drawn:	SRG
Approved:	JD
Date:	03-28-2022
Project No.:	00-112-16-00

No.	Date	Revisions

FAA'S APPROVAL OF THIS AIRPORT LAYOUT PLAN (ALP) REPRESENTS ACCEPTANCE OF THE GENERAL LOCATION OF FUTURE FACILITIES DEPICTED (SHEET I7144C04). DURING THE PRELIMINARY DESIGN PHASE, THE AIRPORT OWNER IS REQUIRED TO RESUBMIT FOR APPROVAL THE FINAL LOCATIONS, HEIGHTS, AND EXTERIOR FINISH OF STRUCTURES. FAA'S CONCERN IS OBSTRUCTIONS, IMPACT ON ELECTRONIC AIDS, OR ADVERSE EFFECTS ON CONTROLLER VIEW OF AIRCRAFT APPROACHES AND GROUND MOVEMENT AREAS WHICH COULD ADVERSELY AFFECT THE SAFETY, EFFICIENCY, OR UTILITY OF THE AIRPORT.

Notes
1. ALL PENETRATING NON-TREE OBSTACLES ARE SHOWN WITH A BLACK DOT AND ARE LISTED ON THE SURFACE OBSTRUCTION TABLE LOCATED ON THIS DRAWING.
2. ALL TREE OBSTACLES ARE SHOWN WITH A GRAY DOT AND THE DATA IS LISTED ON THE FUTURE PART 77 AIRSPACE SURFACES TREE OBSTRUCTION TABLE ON THIS DRAWING.
3. A SMALL PORTION OF THE EAST SIDE OF THE AIRPORT IS ZONED HEAVY INDUSTRIAL WITHIN THE GENERALIZED INDUSTRIAL DESIGNATION.
4. SHELBY COUNTY ZONING INCLUDES AN AIRPORT OVERLAY DISTRICT THAT INCLUDES HEIGHT RESTRICTIONS ASSOCIATED WITH FAR PART 77 IMAGINARY SURFACES.

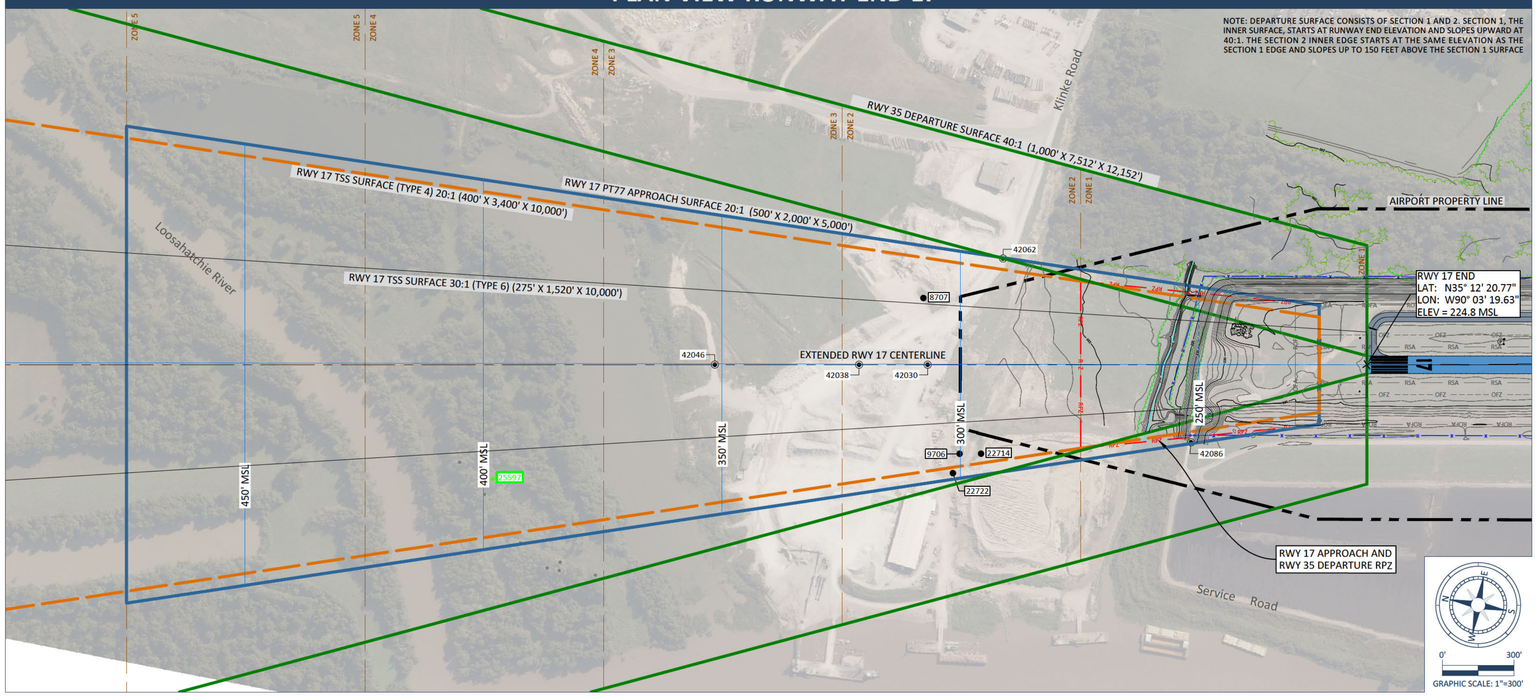
Sources
1. BACKGROUND PROVIDED BY UNITED STATES GEOLOGICAL SURVEY.
2. DATE OF SURVEY 02/26/2019

N
MAGNETIC DECLINATION
1.47° W ± 0.36°
May 29, 2020

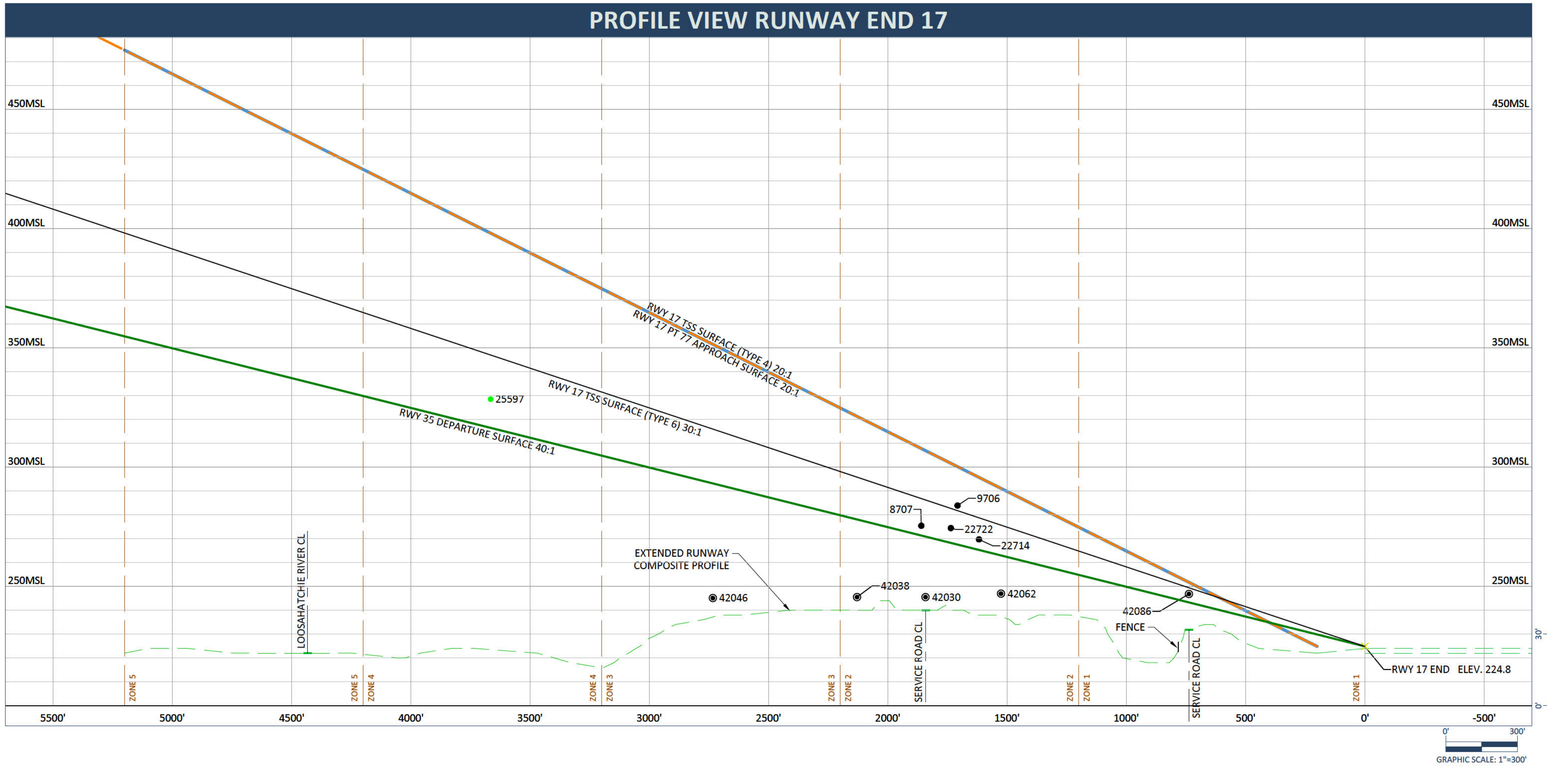
AIRPORT AIRSPACE DRAWING

AIRPORT LAYOUT PLAN DRAWING SET

PLAN VIEW RUNWAY END 17



PROFILE VIEW RUNWAY END 17



SURFACE OBSTRUCTION TABLE

OBJECT ID	DESCRIPTION	TOP ELEV MSL	P77 PEN VALUE (FEET)	DEP PEN VALUE (FEET)	TSS PEN VALUE (FEET)	DISPOSITION	TRIGGERING EVENT
8707	POLE_LIGHT	275.4	-	4.1	-	LIGHT	NONE
9706	POLE_UTIL	283.9	-	16.4	-	LIGHT	NONE
22714	POLE_UTIL	269.7	-	4.4	-	LIGHT	NONE
22722	POLE_UTIL	274.4	-	6.2	-	LIGHT	NONE

NOTES: NO TSS TYPE 6 SURFACE OBSTRUCTION PENETRATIONS

TRAVERSEWAY ELEVATION DATA

OBJECT ID	DESCRIPTION	TOP ELEV MSL	P77 PEN VALUE (FEET)	DISPOSITION
42030	PRIVATE RD.	245.5	-61.4	N/A
42038	OLD RANDOLPH RD.	245.5	-75.8	N/A
42046	PRIVATE RD.	245.1	-106.4	N/A
42062	KLINKE RD.	246.9	-44.2	N/A
42086	PRIVATE RD.	246.8	-4.9	N/A

RUNWAY 35 DEPARTURE SURFACE TREE OBSTRUCTION TABLE

ZONE	DESCRIPTION	OB ID OF HIGHEST TREE	TOP MSL ELEV OF HIGHEST TREE	AMOUNT OF PENETRATION	PENETRATING TREES		NON-PENETRATING TREES	
					QUANTITY	DISPOSITION	QUANTITY	TRIGGERING EVENT
1	*No Penetrations*							
2	*No Penetrations*							
3	*No Penetrations*							
4	TREES	25597	328.5	12.0	8	TBR	28	NONE
5	*No Penetrations*							

NOTES:
1. TBR = TO BE REMOVED.
2. N/A = POINT CLEARS THE SURFACE OR IS OUTSIDE THE SURFACE AREA.

LEGEND

ITEM	DESCRIPTION	ITEM	DESCRIPTION
250	EXISTING GROUND CONTOUR	ROFA	RUNWAY OBJECT FREE AREA (ROFA)
250 MSL	PART 77 SURFACE CONTOUR	TOFA	TAXIWAY OBJECT FREE AREA (TOFA)
	EXISTING AIRPORT PROPERTY LINE	RSA	RUNWAY SAFETY AREA (RSA)
	EXISTING ROAD	OFZ	OBJECT FREE ZONE (OFZ)
	RUNWAY PAVEMENT & MARKINGS	RPZ	RUNWAY PROTECTION ZONE (RPZ)
	TAXIWAY PAVEMENT	x	FENCE
	FOREST / TREE CLUSTER		PT77 APPROACH SURFACE
			TSS (TYPE 4) APPROACH SURFACE
	TRAVERSE WAY POINT		DEPARTURE SURFACE
	TREES PENETRATING 40:1 DEPARTURE SURFACE	ZONE 2 / ZONE 1	DEPARTURE SURFACE TREE OBSTACLE ZONE
	HIGHEST TREE IN ZONE		TSS (TYPE 6) APPROACH SURFACE

ALP Prepared By

JACOBSEN | DANIELS
Planning, Implementation, Operations & Management

Drawn:	LDJ
Approved:	SRG
Date:	03-28-2022
Project No.:	09-130-18-00

No.	Date	Revisions

FAA'S APPROVAL OF THIS AIRPORT LAYOUT PLAN (ALP) REPRESENTS ACCEPTANCE OF THE GENERAL LOCATION OF FUTURE FACILITIES DEPICTED (SHEET 17144C04). DURING THE PRELIMINARY DESIGN PHASE, THE AIRPORT OWNER IS REQUIRED TO RESUBMIT FOR APPROVAL THE FINAL LOCATIONS, HEIGHTS, AND EXTERIOR FINISH OF STRUCTURES. FAA'S CONCERN IS OBSTRUCTIONS, IMPACT ON ELECTRONIC AIDS, OR ADVERSE EFFECTS ON CONTROLLER VIEW OF AIRCRAFT APPROACHES AND GROUND MOVEMENT AREAS WHICH COULD ADVERSELY AFFECT THE SAFETY, EFFICIENCY, OR UTILITY OF THE AIRPORT.

Notes
1. Shelby County Zoning includes an airport overlay district that includes height restrictions associated with FAR Part 77 imaginary surfaces.
2. No OFZ obstructions/violations in the existing/future conditions.
3. Trees penetrating the 40:1 departure surface are shown as grey colored dots.
4. No PAPI siting surface (3:1 slope) obstructions. Surface not shown on drawing for clarity.

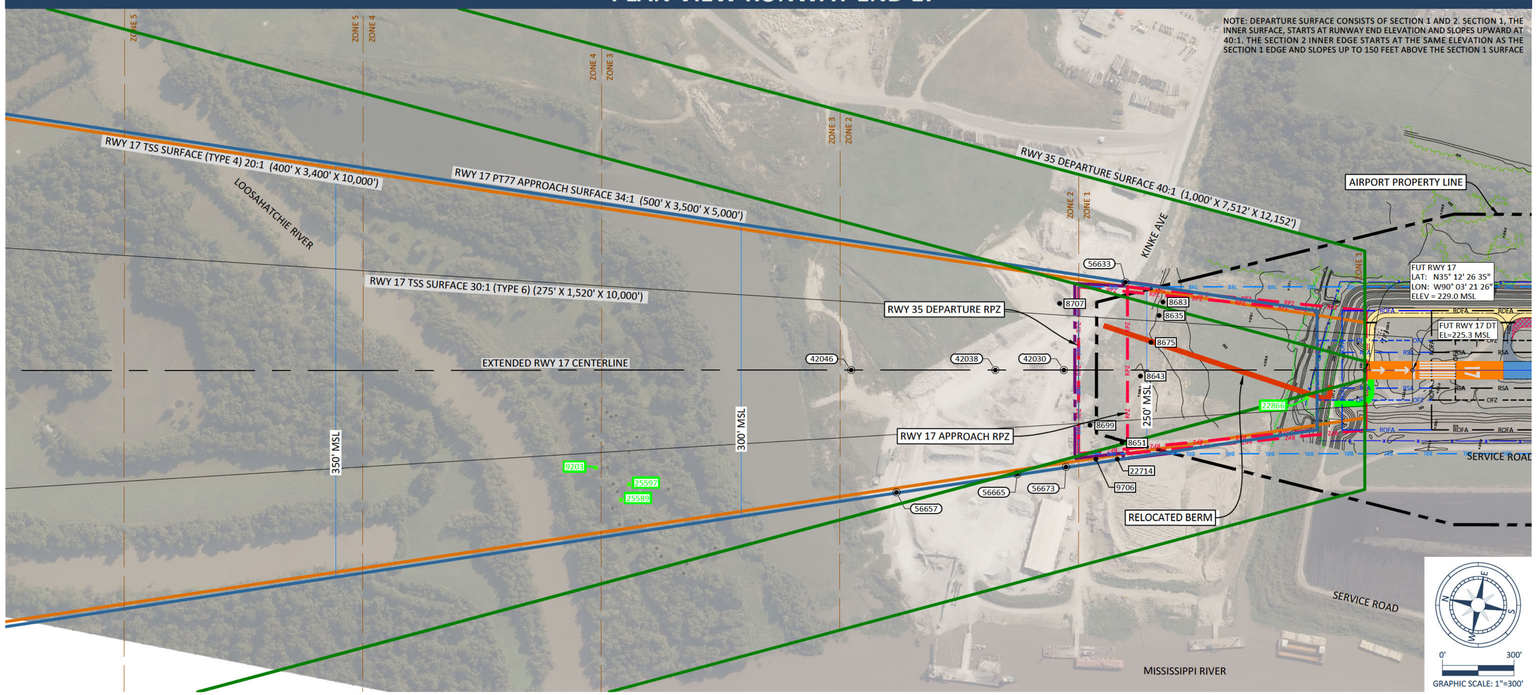
Sources
1. Obstruction survey data performed under AGIS Project #221825, dated July 2018.
2. Extended runway composite profile obtained using contours from United States Geographic Survey outside of survey limits.
3. Data of individual trees can be found in AGIS project #221824.

N
MAGNETIC DECLINATION
1.47° W ± 0 36'
May 29, 2020

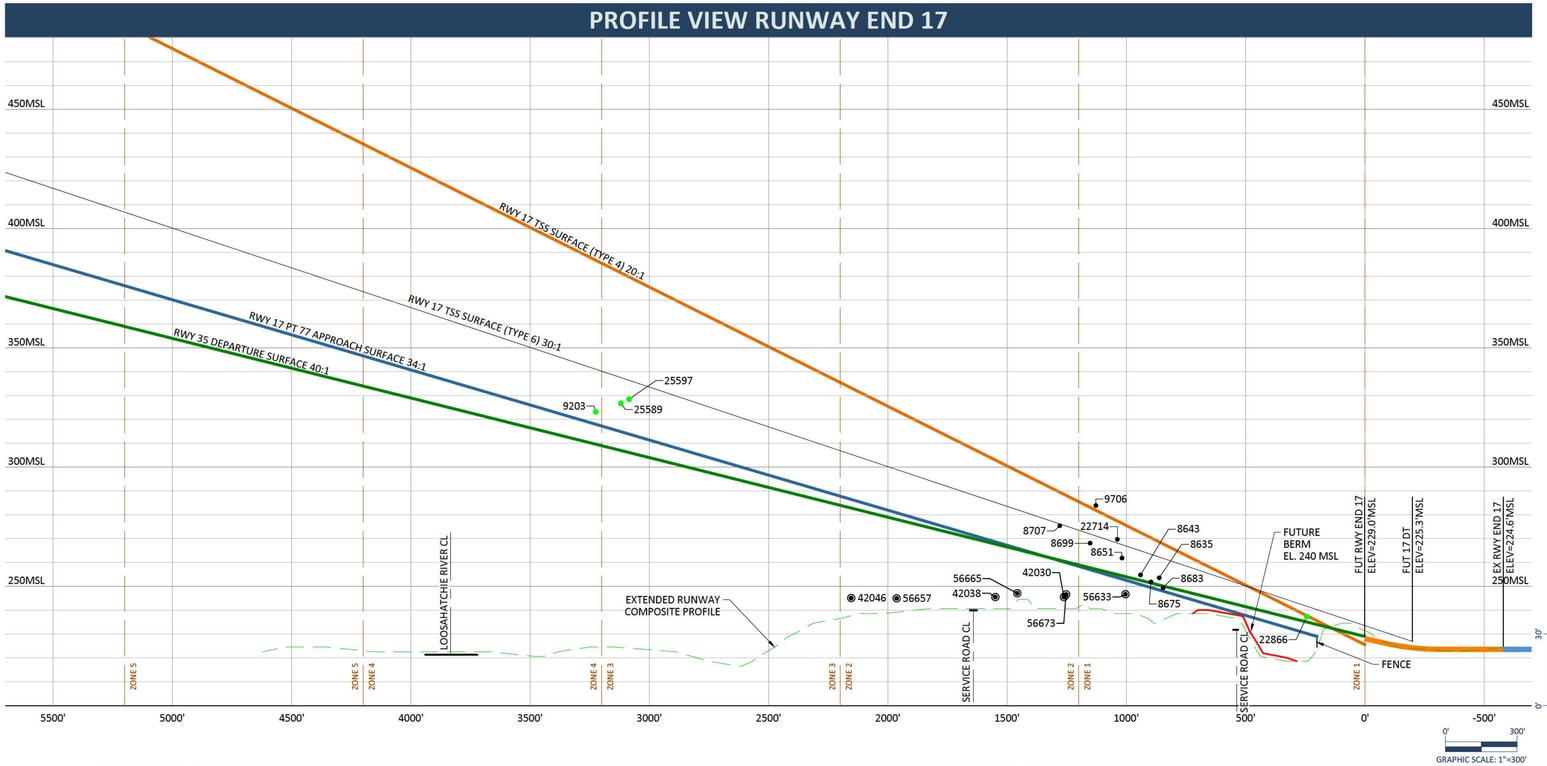
RWY 17 INNER APPROACH RWY 35 DEPARTURE PLAN AND PROFILE

AIRPORT LAYOUT PLAN DRAWING SET

PLAN VIEW RUNWAY END 17



PROFILE VIEW RUNWAY END 17



SURFACE OBSTRUCTION TABLE

OBJECT ID	DESCRIPTION	TOP ELEV MSL	P77 PEN VALUE (FEET)	DEP PEN VALUE (FEET)	TSS PEN VALUE (FEET)	DISPOSITION	TRIGGERING EVENT
8635	POLE_UTIL	253.6	5.1	3.0	-	LIGHT	RWY EXT.
8643	POLE_UTIL	254 8	4 0	2.3	-	LIGHT	RWY EXT.
8651	UTILITY_LINE	261 8	8 8	7.4	-	LIGHT	RWY EXT.
8675	UTILITY_LINE	251 8	2 3	-	-	LIGHT	RWY EXT.
8683	UTILITY_LINE	249.4	1.4	-	-	LIGHT	RWY EXT.
8699	POLE	268.1	11.1	10.3	-	LIGHT	RWY EXT.
8707	POLE_LIGHT	275.4	14.7	14.4	-	LIGHT	RWY EXT.
9706	POLE_UTIL	283 9	27.6	15.9	-	LIGHT	RWY EXT.
22714	POLE_UTIL	269.7	16.1	-	-	LIGHT	RWY EXT.

NOTES: NO TSS TYPE 6 SURFACE OBSTRUCTION PENETRATIONS

TRAVERSEWAY ELEVATION DATA

OBJECT ID	DESCRIPTION	TOP ELEV MSL	P77 PEN VALUE (FEET)	DISPOSITION
42030	PRIVATE RD.	245 5	-14.7	N/A
42038	OLD RANDOLPH RD.	245 5	-23.2	N/A
42046	PRIVATE RD.	245.1	-41.4	N/A
56633	KLINKE RD.	246.7	-5 9	N/A
56657	PRIVATE RD.	245 0	-35.9	N/A
56665	PRIVATE RD.	247.1	-18.9	N/A
56673	PRIVATE RD.	246.6	-13.4	N/A

RUNWAY 17 FUTURE TSS SURFACE TREE OBSTRUCTION TABLE

ZONE	DESCRIPTION	OB ID OF HIGHEST TREE	TOP MSL ELEV OF HIGHEST TREE	AMOUNT OF PENETRATION	PENETRATING TREES		NON-PENETRATING TREES	
					QUANTITY	DISPOSITION	QUANTITY	DISPOSITION
1	TREES	22866	237.3	6.2	1	TBR	-	-
2	*No Penetrations*							
3	*No Penetrations*							
4	*No Penetrations*							
5	*No Penetrations*							

NOTES: NO TSS TYPE 6 SURFACE OBSTRUCTION PENETRATIONS

RUNWAY 17 FUTURE PART 77 SURFACE TREE OBSTRUCTION TABLE

ZONE	DESCRIPTION	OB ID OF HIGHEST TREE	TOP MSL ELEV OF HIGHEST TREE	AMOUNT OF PENETRATION	PENETRATING TREES		NON-PENETRATING TREES	
					QUANTITY	DISPOSITION	QUANTITY	TRIGGERING EVENT
1	TREES	22866	237.3	7.0	2	TBR	1	RWY EXT.
2	*No Penetrations*							
3	TREES	25589	326.7	11.9	6	TBR	16	RWY EXT.
4	TREES	9203	323.2	5.2	2	TBR	3	RWY EXT.
5	*No Penetrations*							

RUNWAY 35 FUTURE DEPARTURE SURFACE TREE OBSTRUCTION TABLE

ZONE	DESCRIPTION	OB ID OF HIGHEST TREE	TOP MSL ELEV OF HIGHEST TREE	AMOUNT OF PENETRATION	PENETRATING TREES		NON-PENETRATING TREES	
					QUANTITY	DISPOSITION	QUANTITY	TRIGGERING EVENT
1	TREES	21522	306.1	74.3	-	TBR	117	RWY EXT.
2	*No Penetrations*							
3	TREES	25597	328.5	22.4	24	TBR	61	RWY EXT.
4	TREES	9203	323.2	13.6	4	TBR	14	RWY EXT.
5	*No Penetrations*							

NOTES:
1. RWY EXT. = RUNWAY EXTENSION.
2. TBR = TO BE REMOVED.
3. N/A = POINT CLEARS THE SURFACE OR IS OUTSIDE THE SURFACE AREA.

LEGEND

ITEM	DESCRIPTION	ITEM	DESCRIPTION
250	EXISTING GROUND CONTOUR	ROFA	RUNWAY OBJECT FREE AREA (ROFA)
250 MSL	PART 77 SURFACE CONTOUR	RSA	RUNWAY SAFETY AREA (RSA)
	EXISTING AIRPORT PROPERTY LINE	BRL	BUILDING RESTRICTION LINE (BRL)
	FUTURE AIRPORT PROPERTY LINE	OFZ	OBJECT FREE ZONE (OFZ)
	RUNWAY PAVEMENT & MARKINGS	RPZ	RUNWAY PROTECTION ZONE (RPZ)
	TAXIWAY PAVEMENT		PT77 APPROACH SURFACE
	FUTURE RUNWAY PAVEMENT & MARKINGS		TSS (TYPE 4) APPROACH SURFACE
	RUNWAY TAXIWAY PAVEMENT		DEPARTURE SURFACE
	FENCE	ZONE 2 / ZONE 1	DEPARTURE SURFACE TREE OBSTACLE ZONE
	FOREST / TREE CLUSTER		HIGHEST TREE IN ZONE
			TREES PENETRATING 40:1 DEPARTURE SURFACE
	TRAVERSE WAY POINT		BERM
RSA	FUTURE RUNWAY SAFETY AREA (RSA)		SERVICE ROAD
OFZ	FUTURE OBJECT FREE ZONE (OFZ)		DEMOLITION
ROFA	FUTURE RUNWAY OBJECT FREE AREA (ROFA)		TSS (TYPE 6) APPROACH SURFACE

ALP Prepared By

JACOBSEN | DANIELS
Planning, Implementation, Operations & Management

Drawn: LDJ
Approved: SRG
Date: 03-28-2022
Project No.: 09-130-18-00

No.	Date	Revisions

FAA'S APPROVAL OF THIS AIRPORT LAYOUT PLAN (ALP) REPRESENTS ACCEPTANCE OF THE GENERAL LOCATION OF FUTURE FACILITIES DEPICTED (SHEET I7144C04). DURING THE PRELIMINARY DESIGN PHASE, THE AIRPORT OWNER IS REQUIRED TO RESUBMIT FOR APPROVAL THE FINAL LOCATIONS, HEIGHTS, AND EXTERIOR FINISH OF STRUCTURES. FAA'S CONCERN IS OBSTRUCTIONS, IMPACT ON ELECTRONIC AIDS, OR ADVERSE EFFECTS ON CONTROLLER VIEW OF AIRCRAFT APPROACHES AND GROUND MOVEMENT AREAS WHICH COULD ADVERSELY AFFECT THE SAFETY, EFFICIENCY, OR UTILITY OF THE AIRPORT.

Notes
1. Shelby County Zoning includes an airport overlay district that includes height restrictions associated with FAR Part 77 imaginary surfaces.
2. No OFZ obstructions/violations in the existing/future conditions.
3. Trees penetrating the 40:1 departure surface are shown as grey colored dots.
4. No PAPI siting surface (3:1 Slope) obstructions.

Sources
1. Obstruction survey data performed under AGIS Project #221825, dated July 2018.
2. Extended runway composite profile obtained using contours from United States Geographic Survey outside of survey limits.
3. Data of individual trees can be found in AGIS project #221824.

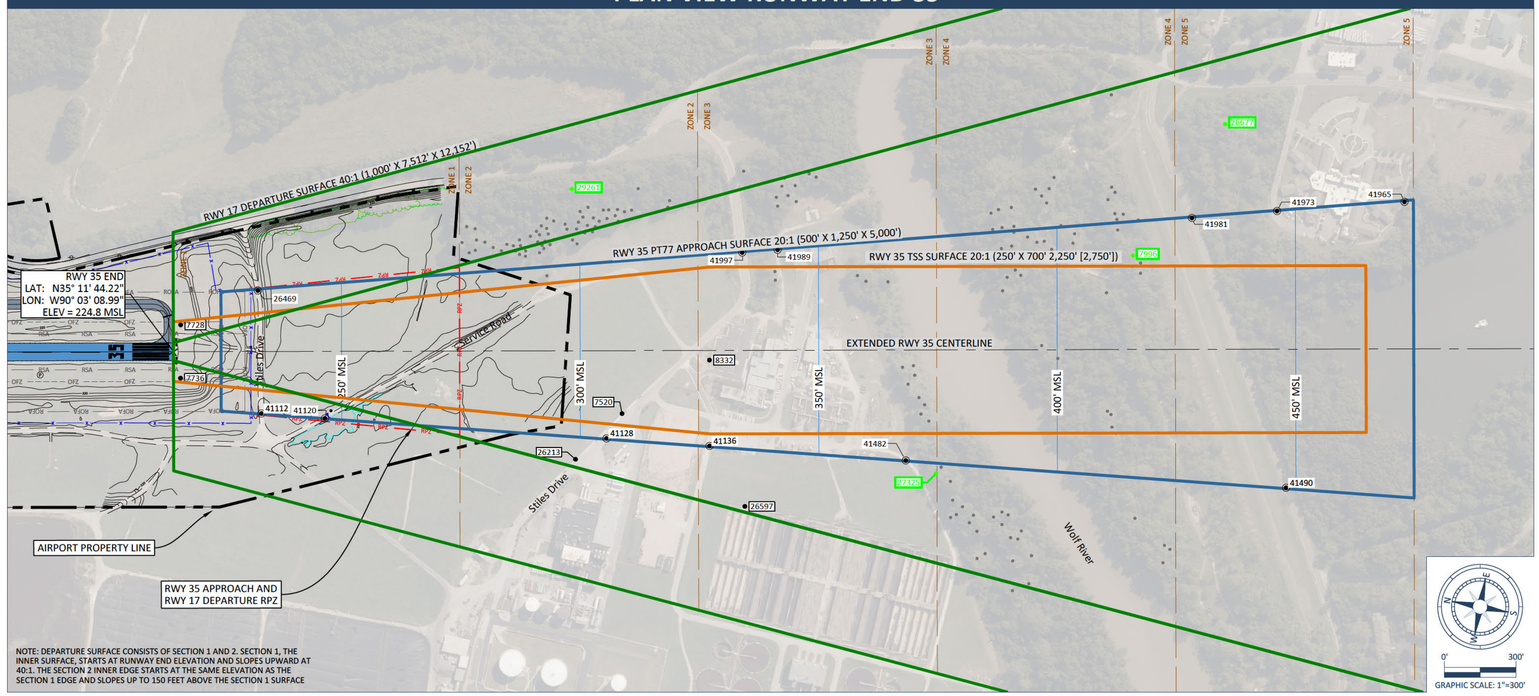
N
MAGNETIC DECLINATION
1.47° W ± 0 36'
May 29, 2020

RWY 17 INNER APPROACH & RWY 35 DEPARTURE - FUTURE PLAN AND PROFILE

AIRPORT LAYOUT PLAN DRAWING SET

General DeWitt Spain Airport

PLAN VIEW RUNWAY END 35



NOTE: DEPARTURE SURFACE CONSISTS OF SECTION 1 AND 2. SECTION 1, THE INNER SURFACE, STARTS AT RUNWAY END ELEVATION AND SLOPES UPWARD AT 40:1. THE SECTION 2 INNER EDGE STARTS AT THE SAME ELEVATION AS THE SECTION 1 EDGE AND SLOPES UP TO 150 FEET ABOVE THE SECTION 1 SURFACE

SURFACE OBSTRUCTION TABLE

OBJECT ID	DESCRIPTION	TOP ELEV MSL	P77 PEN VALUE (FEET)	DEP PEN VALUE (FEET)	TSS PEN VALUE (FEET)	DISPOSITION	TRIGGERING EVENT
7520	POLE_UTIL	276.9	-	5.1	-	LIGHT	NONE
7728	NAVAID	227.2	-	-	1.0	FBF	NONE
7736	NAVAID	227.4	-	-	1.2	FBF	NONE
8332	FLAGPOLE	285.1	-	4.2	-	REMOVE	NONE
26213	POLE_UTIL	277.8	-	10 9	-	LIGHT	NONE
26597	POLE_LIGHT	286.2	-	1.6	-	LIGHT	NONE

TRAVERSEWAY ELEVATION DATA

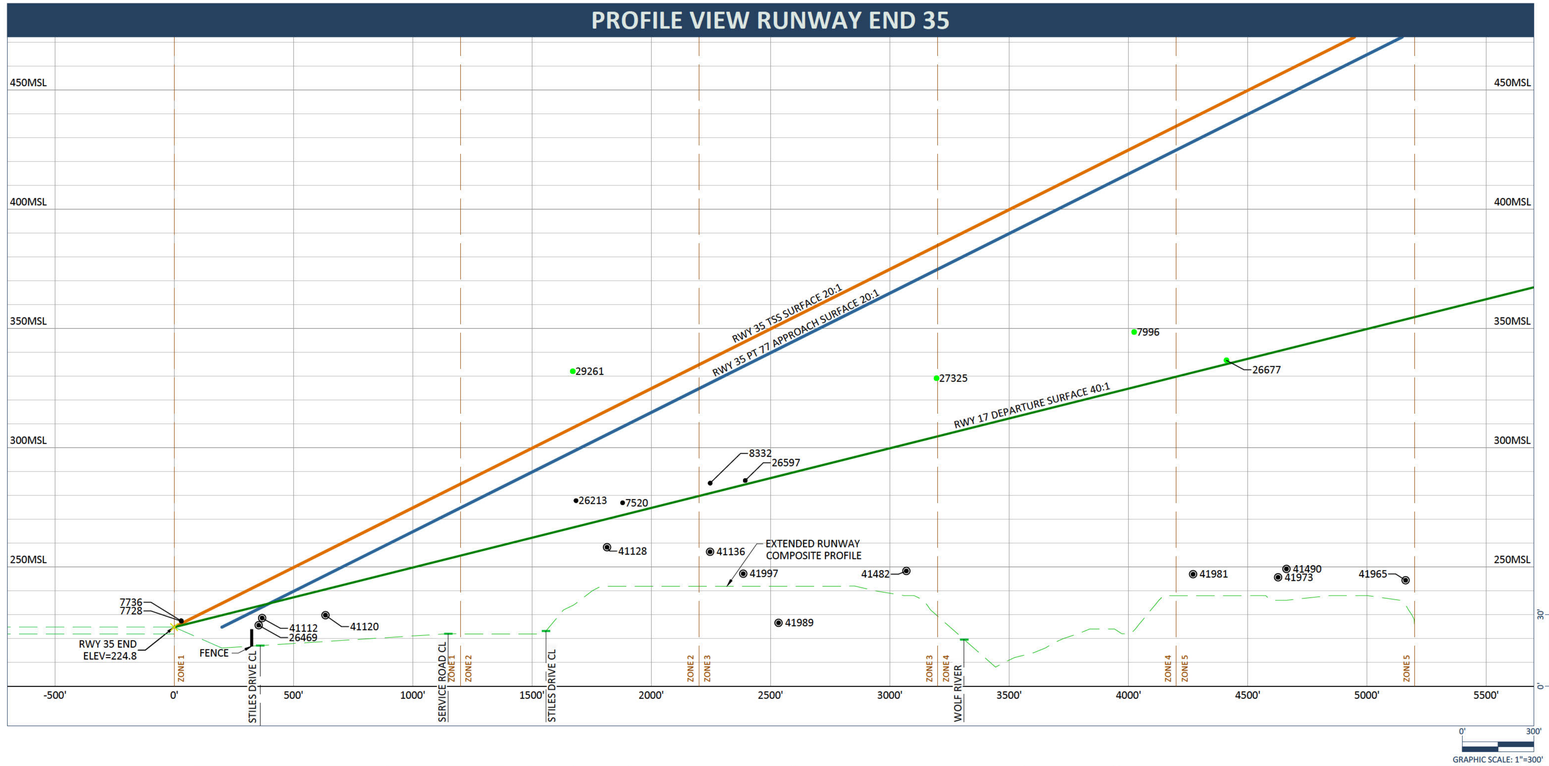
OBJECT ID	DESCRIPTION	TOP ELEV MSL	P77 PEN VALUE (FEET)	DISPOSITION
26469	STILES DR.	225.6	-6.9	N/A
41112	STILES DR.	228.6	-4.6	N/A
41120	SERVICE DR.	229.8	-16.7	N/A
41128	STILES DR.	258.3	-47 2	N/A
41136	PRIVATE RD.	256.3	-70.7	N/A
41482	PRIVATE RD.	248.3	-119 9	N/A
41490	N. MUD ISLAND RD.	249.1	-198.8	N/A
41965	PRIVATE RD.	244.4	-228 5	N/A
41973	PRIVATE RD.	245.6	-200 5	N/A
41981	N. MUD ISLAND RD.	246.9	-181.4	N/A
41989	PRIVATE RD.	226.5	-114 9	N/A
41997	STILES DR.	247.1	-86 9	N/A

RUNWAY 17 DEPARTURE SURFACE TREE OBSTRUCTION TABLE

ZONE	DESCRIPTION	OB ID OF HIGHEST TREE	TOP MSL ELEV OF HIGHEST TREE	AMOUNT OF PENETRATION	PENETRATING TREES		NON-PENETRATING TREES	
					QUANTITY	DISPOSITION	QUANTITY	TRIGGERING EVENT
1	TREES	*No Penetrations*						
2	TREES	29261	332.0	2.9	62	TBR	208	NONE
3	TREES	27325	329.1	24.0	24	TBR	97	NONE
4	TREES	7996	348.5	23.1	73	TBR	96	NONE
5	TREES	26677	336.6	2.0	1	TBR	14	NONE

NOTES:
1. TBR = TO BE REMOVED.
2. N/A = POINT CLEARS THE SURFACE OR IS OUTSIDE THE SURFACE AREA.
3. FBF = FIXED BY FUNCTION.

PROFILE VIEW RUNWAY END 35



LEGEND

ITEM	DESCRIPTION	ITEM	DESCRIPTION
250	EXISTING GROUND CONTOUR	ROFA	RUNWAY OBJECT FREE AREA (ROFA)
250 MSL	PART 77 SURFACE CONTOUR	TOFA	TAXIWAY OBJECT FREE AREA (TOFA)
	EXISTING AIRPORT PROPERTY LINE	RSA	RUNWAY SAFETY AREA (RSA)
	EXISTING ROAD	OFZ	OBJECT FREE ZONE (OFZ)
	RUNWAY PAVEMENT & MARKINGS	RPZ	RUNWAY PROTECTION ZONE (RPZ)
	TAXIWAY PAVEMENT	x x	FENCE
	FOREST / TREE CLUSTER		PT77 APPROACH SURFACE
			TSS APPROACH SURFACE
	TRAVERSE WAY POINT		DEPARTURE SURFACE
	TREES PENETRATING 40:1 DEPARTURE SURFACE	ZONE 2 / ZONE 1	DEPARTURE SURFACE TREE OBSTACLE ZONE
	HIGHEST TREE IN ZONE		

GRAPHIC SCALE: 1"=30'

ALP Prepared By

JACOBSEN | DANIELS
Planning, Implementation, Operations & Management

Drawn:	LDJ
Approved:	SRG
Date:	03-28-2022
Project No.:	09-130-18-00

No.	Date	Revisions

FAA'S APPROVAL OF THIS AIRPORT LAYOUT PLAN (ALP) REPRESENTS ACCEPTANCE OF THE GENERAL LOCATION OF FUTURE FACILITIES DEPICTED (SHEET 17144C04). DURING THE PRELIMINARY DESIGN PHASE, THE AIRPORT OWNER IS REQUIRED TO RESUBMIT FOR APPROVAL THE FINAL LOCATIONS, HEIGHTS, AND EXTERIOR FINISH OF STRUCTURES. FAA'S CONCERN IS OBSTRUCTIONS, IMPACT ON ELECTRONIC AIDS, OR ADVERSE EFFECTS ON CONTROLLER VIEW OF AIRCRAFT APPROACHES AND GROUND MOVEMENT AREAS WHICH COULD ADVERSELY AFFECT THE SAFETY, EFFICIENCY, OR UTILITY OF THE AIRPORT.

Notes
1. Shelby County Zoning includes an airport overlay district that includes height restrictions associated with FAR Part 77 imaginary surfaces.
2. No OFZ obstructions/violations in the existing/future conditions.
3. Trees penetrating the 40:1 departure surface are shown as grey colored dots.
4. No PAPI siting surface (3:1 Slope) obstructions.

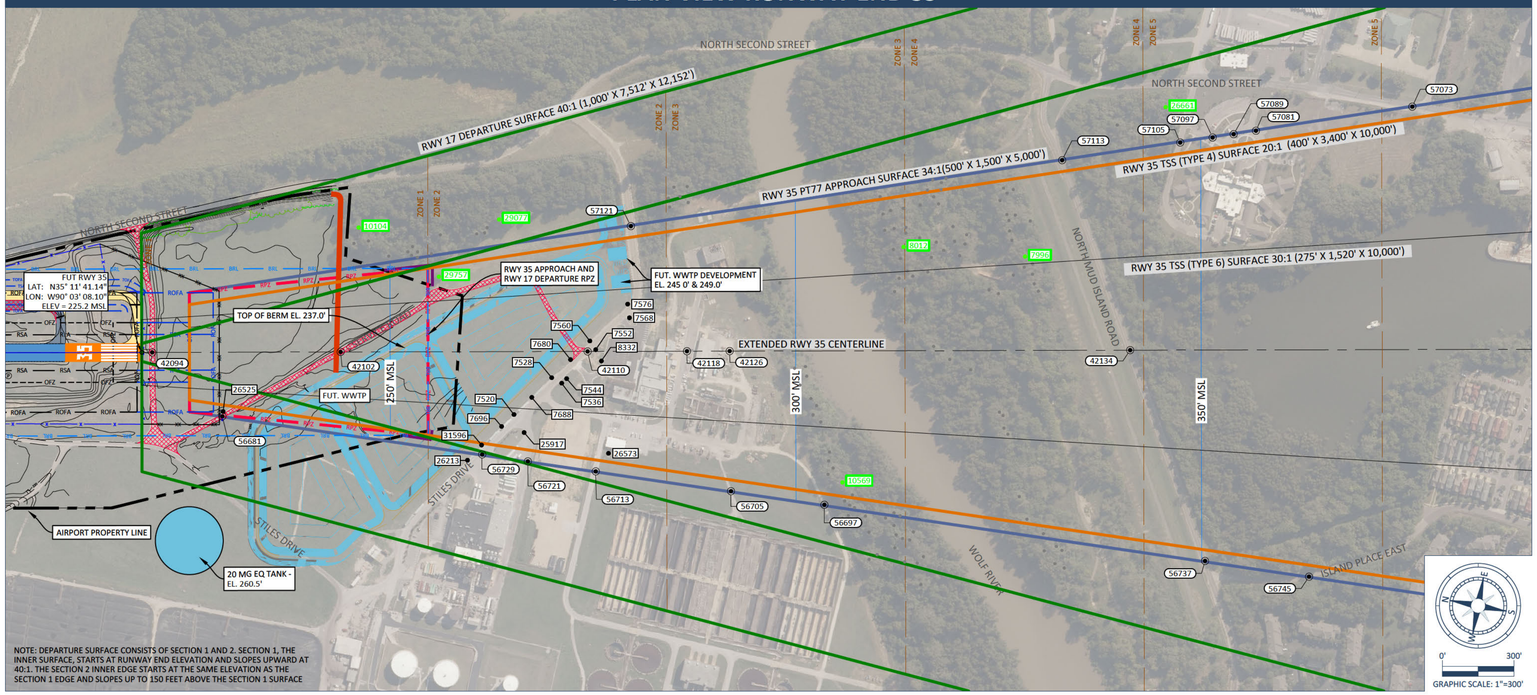
Sources
1. Obstruction survey data performed under AGIS Project #221825, dated July 2018.
2. Extended runway composite profile obtained using contours from United States Geographic Survey outside of survey limits.
3. Data of individual trees can be found in AGIS project #221824.

N
MAGNETIC DECLINATION
1.47° W ± 0 36'
May 29, 2020

RWY 35 INNER APPROACH
RWY 17 DEPARTURE
PLAN AND PROFILE

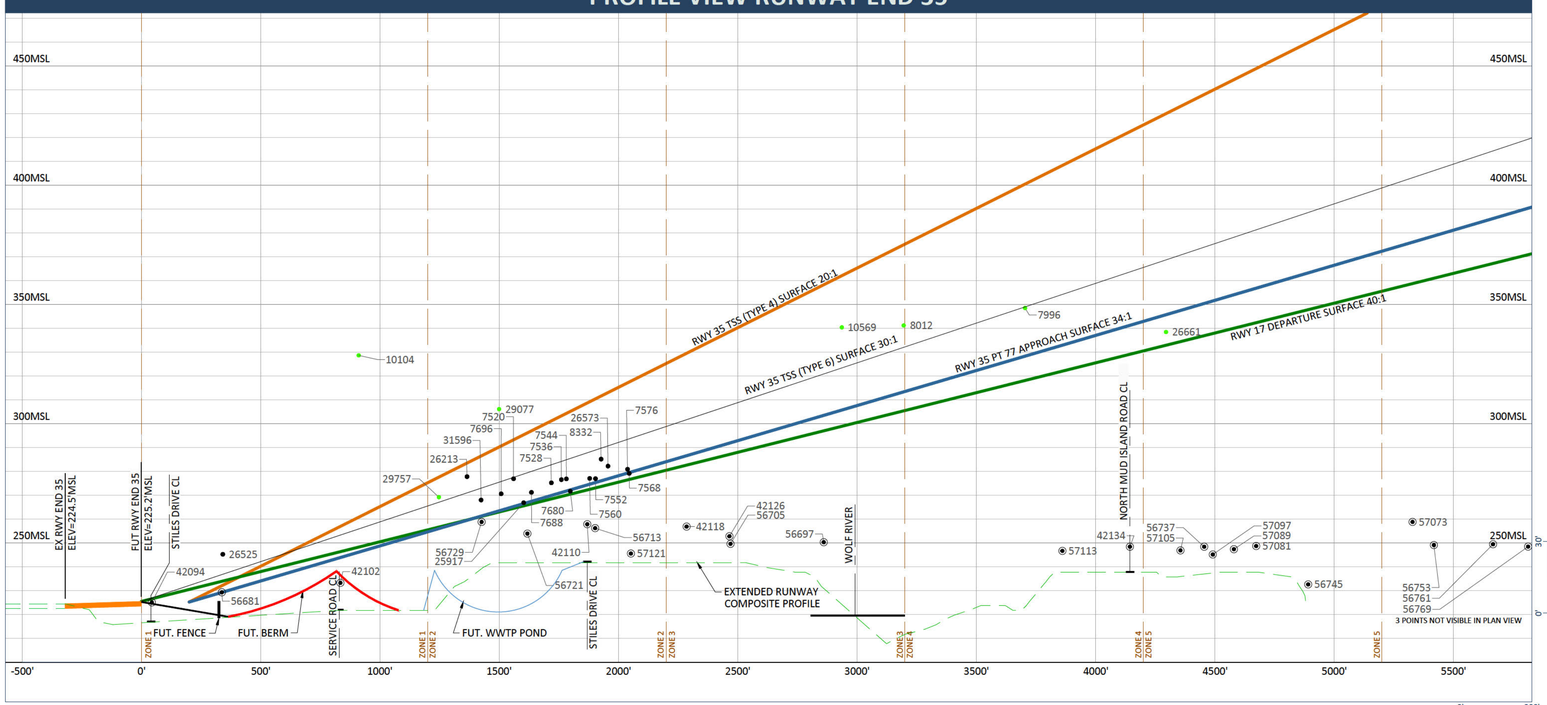
AIRPORT LAYOUT PLAN DRAWING SET

PLAN VIEW RUNWAY END 35



NOTE: DEPARTURE SURFACE CONSISTS OF SECTION 1 AND 2. SECTION 1, THE INNER SURFACE, STARTS AT RUNWAY END ELEVATION AND SLOPES UPWARD AT 40:1. THE SECTION 2 INNER EDGE STARTS AT THE SAME ELEVATION AS THE SECTION 1 EDGE AND SLOPES UP TO 150 FEET ABOVE THE SECTION 1 SURFACE

PROFILE VIEW RUNWAY END 35



SURFACE OBSTRUCTION TABLE

OBJECT ID	DESCRIPTION	TOP ELEV MSL	P77 PEN VALUE (FEET)	DEP PEN VALUE (FEET)	TSS PEN VALUE (FEET)	DISPOSITION	TRIGGERING EVENT
7520	POLE_UTIL	276.9	11.7	12.6	-	LIGHT	RWY EXT.
7528	POLE_UTIL	275.2	5.3	7.0	-	LIGHT	RWY EXT.
7536	POLE_UTIL	276.5	5.4	7.3	-	LIGHT	RWY EXT.
7544	POLE_UTIL	276.8	5.1	7.0	-	LIGHT	RWY EXT.
7552	POLE_UTIL	276.9	1.6	4.1	-	LIGHT	RWY EXT.
7560	POLE_UTIL	277.0	2.4	4.8	-	LIGHT	RWY EXT.
7568	POLE_UTIL	279.1	-	2.8	-	LIGHT	RWY EXT.
7576	POLE_UTIL	280.9	1.6	4.7	-	LIGHT	RWY EXT.
7680	UTILITY_LINE	271.7	-	1.5	-	LIGHT	RWY EXT.
7688	UTILITY_LINE	271.2	3.7	5.1	-	LIGHT	RWY EXT.
7696	UTILITY_LINE	270.6	6.9	7.6	-	LIGHT	RWY EXT.
8332	FLAGPOLE	285.1	9.1	11.7	-	REMOVE	RWY EXT.
25917	POLE_LIGHT	266.9	-	1.6	-	LIGHT	RWY EXT.
26213	POLE_UTIL	277.8	-	1.5	-	LIGHT	RWY EXT.
26525	VENT_PIPE	245.2	15.8	-	-	LIGHT	RWY EXT.
26573	POLE_UTIL	282.2	5.3	8.1	-	LIGHT	RWY EXT.
31596	UTILITY_LINE	268.0	6.7	7.1	-	LIGHT	RWY EXT.

NOTES: NO TSS TYPE 6 SURFACE OBSTRUCTION PENETRATIONS

TRAVERSEWAY ELEVATION DATA

OBJECT ID	DESCRIPTION	TOP ELEV MSL	P77 PEN VALUE (FEET)	DISPOSITION
42102	SERVICE RD.	233.2	-10.7	To Be Demolished
42110	STILES DR.	257.8	-16.5	N/A
42118	PRIVATE RD.	256.8	-29.7	N/A
42126	PRIVATE RD.	252.8	-39.1	N/A
42134	N. MUD ISLAND DR.	248.4	-92.8	N/A
56681	SERVICE RD.	229.3	0.0	To Be Demolished
56697	PRIVATE RD.	250.3	-53.2	N/A
56705	PRIVATE RD.	249.6	-42.4	N/A
56713	PRIVATE RD.	256.2	-19.1	N/A
56721	PRIVATE RD.	253.9	-13.0	N/A
56729	STILES DR.	258.8	-2 5	N/A
56737	N. MUD ISLAND DR.	248.4	-102.0	N/A
56745	ISLAND PLACE EAST	232.6	-130.6	N/A
57081	PRIVATE RD.	248.7	-108.1	N/A
57089	PRIVATE RD.	247.3	-106.7	N/A
57097	PRIVATE RD.	245.1	-106.3	N/A
57105	PRIVATE RD.	246.9	-100.6	N/A
57113	N. MUD ISLAND DR.	246.7	-86.3	N/A
57121	STILES DR.	245.5	-34.2	N/A

RUNWAY 35 FUTURE TSS SURFACE TREE OBSTRUCTION TABLE

ZONE	DESCRIPTION	OB ID OF HIGHEST TREE	TOP MSL ELEV OF HIGHEST TREE	AMOUNT OF PENETRATION	PENETRATING TREES		NON-PENETRATING TREES	
					QUANTITY	DISPOSITION	QUANTITY	TRIGGERING EVENT
1	No Penetrations							
2	No Penetrations							
3	No Penetrations							
4	No Penetrations							
5	No Penetrations							

RUNWAY 35 FUTURE PART 77 SURFACE TREE OBSTRUCTION TABLE

ZONE	DESCRIPTION	OB ID OF HIGHEST TREE	TOP MSL ELEV OF HIGHEST TREE	AMOUNT OF PENETRATION	PENETRATING TREES		NON-PENETRATING TREES	
					QUANTITY	DISPOSITION	QUANTITY	TRIGGERING EVENT
1	*No Penetrations*							
2	TREES	29757	269.2	13.2	2	TBR	12	RWY EXT.
3	TREES	10569	340.4	34.7	30	TBR	17	RWY EXT.
4	TREES	7996	348.5	20.2	31	TBR	22	RWY EXT.
5	*No Penetrations*							

RUNWAY 17 FUTURE DEPARTURE SURFACE TREE OBSTRUCTION TABLE

ZONE	DESCRIPTION	OB ID OF HIGHEST TREE	TOP MSL ELEV OF HIGHEST TREE	AMOUNT OF PENETRATION	PENETRATING TREES		NON-PENETRATING TREES	
					QUANTITY	DISPOSITION	QUANTITY	TRIGGERING EVENT
1	TREES	10104	328.6	2.8	9	TBR	101	RWT EXT.
2	TREES	29077	306.1	6.2	7	TBR	221	RWT EXT.
3	TREES	8012	341.2	36.0	55	TBR	212	RWT EXT.
4	TREES	7996	348.5	30.0	63	TBR	99	RWT EXT.
5	TREES	26661	338.4	5.8	1	TBR	20	RWT EXT.

NOTES:
1. RWY EXT. = RUNWAY EXTENSION.
2. TBR = TO BE REMOVED.
3. N/A = POINT CLEARS THE SURFACE OR IS OUTSIDE THE SURFACE AREA.

LEGEND

ITEM	DESCRIPTION	ITEM	DESCRIPTION
250	EXISTING GROUND CONTOUR	ROFA	RUNWAY OBJECT FREE AREA (ROFA)
250 MSL	PART 77 SURFACE CONTOUR	RSA	RUNWAY SAFETY AREA (RSA)
	EXISTING AIRPORT PROPERTY LINE	BRL	BUILDING RESTRICTION LINE (BRL)
	FUTURE AIRPORT PROPERTY LINE	OFZ	OBJECT FREE ZONE (OFZ)
	RUNWAY PAVEMENT & MARKINGS	RPZ	RUNWAY PROTECTION ZONE (RPZ)
	TAXIWAY PAVEMENT		PT77 APPROACH SURFACE
	FUTURE RUNWAY PAVEMENT & MARKINGS		TSS (TYPE 4) APPROACH SURFACE
	RUNWAY TAXIWAY PAVEMENT		DEPARTURE SURFACE
	FENCE	ZONE 2 / ZONE 1	DEPARTURE SURFACE TREE OBSTACLE ZONE
	FOREST / TREE CLUSTER		HIGHEST TREE IN ZONE
			TREES PENETRATING 40:1 DEPARTURE SURFACE
	TRAVERSE WAY POINT		BERM
RSA	FUTURE RUNWAY SAFETY AREA (RSA)		SERVICE ROAD
OFZ	FUTURE OBJECT FREE ZONE (OFZ)		DEMOLITION
ROFA	FUTURE RUNWAY OBJECT FREE AREA (ROFA)		STILES WWTP EXPANSION
XX XX XX	FUTURE FENCE		TSS (TYPE 6) APPROACH SURFACE

ALP Prepared By

JACOBSEN | DANIELS
Planning, Implementation, Operations & Management

Drawn:	LDJ
Approved:	SRG
Date:	03-28-2022
Project No.:	09-130-18-00

No.	Date	Revisions

FAA'S APPROVAL OF THIS AIRPORT LAYOUT PLAN (ALP) REPRESENTS ACCEPTANCE OF THE GENERAL LOCATION OF FUTURE FACILITIES DEPICTED (SHEET I7144C04). DURING THE PRELIMINARY DESIGN PHASE, THE AIRPORT OWNER IS REQUIRED TO RESUBMIT FOR APPROVAL THE FINAL LOCATIONS, HEIGHTS, AND EXTERIOR FINISH OF STRUCTURES. FAA'S CONCERN IS OBSTRUCTIONS, IMPACT ON ELECTRONIC AIDS, OR ADVERSE EFFECTS ON CONTROLLER VIEW OF AIRCRAFT APPROACHES AND GROUND MOVEMENT AREAS WHICH COULD ADVERSELY AFFECT THE SAFETY, EFFICIENCY, OR UTILITY OF THE AIRPORT.

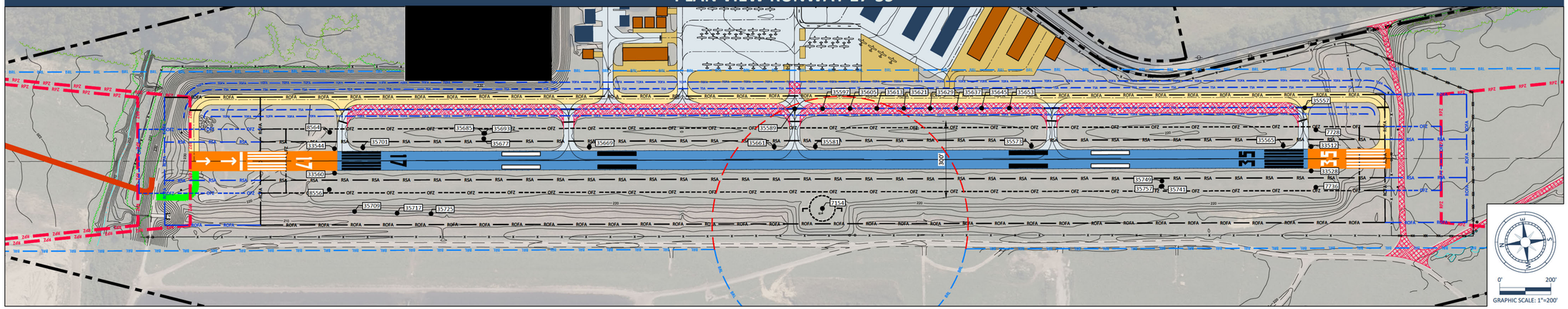
Notes
1. Shelby County Zoning includes an airport overlay district that includes height restrictions associated with FAR Part 77 imaginary surfaces.
2. No OFZ obstructions/violations in the existing/future conditions.
3. Trees penetrating the 40:1 departure surface are shown as grey colored dots.
4. No PAPI siting surface (3:1 Slope) obstructions.

Sources
1. Obstruction survey data performed under AGIS Project #221825, dated July 2018.
2. Extended runway composite profile obtained using contours from United States Geographic Survey outside of survey limits.
3. Data of individual trees can be found in AGIS project #221824.

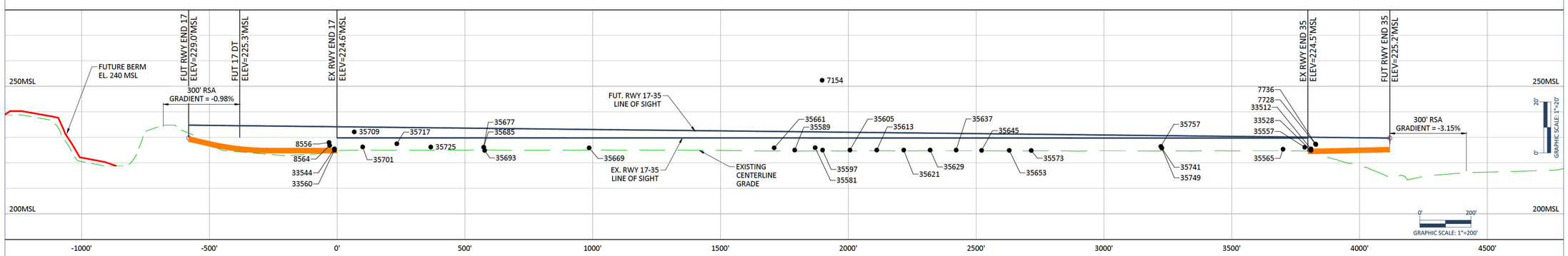
MAGNETIC DECLINATION
1.47° W ± 0 36'
May 29, 2020

RWY 35 INNER APPROACH & RWY 17 DEPARTURE - FUTURE PLAN AND PROFILE
AIRPORT LAYOUT PLAN DRAWING SET

PLAN VIEW RUNWAY 17-35



PROFILE VIEW RUNWAY 17-35



SURFACE OBSTRUCTION TABLE

OBJECT ID	DESCRIPTION	TOP ELEV MSL	PRIMARY PEN VALUE (FEET)	DISPOSITION	TRIGGERING EVENT
33512	RUNWAY_LIGHT	225.5	0.8	TBR	RWY EXT.
33528	RUNWAY_LIGHT	224.9	0.1	TBR	RWY EXT.
33544	RUNWAY_LIGHT	225.5	0.7	TBR	RWY EXT.
33560	RUNWAY_LIGHT	225 0	0.2	TBR	RWY EXT.
35557	SIGN	226.1	1.4	TBR	RWY EXT.
35565	SIGN	225.4	0.6	FBF	NONE
35573	SIGN	224.9	0.1	FBF	NONE
35581	SIGN	226 0	1 2	FBF	NONE
35589	GROUND	225 0	0.2	GRADE	RWY EXT.
35597	GROUND	225 0	0.2	TBR	RWY EXT.
35605	GROUND	225 0	0.2	TBR	RWY EXT.
35613	GROUND	225 0	0.3	TBR	RWY EXT.
35621	GROUND	225 0	0.3	TBR	RWY EXT.
35629	GROUND	225 0	0.3	TBR	RWY EXT.
35637	GROUND	225 0	0.3	TBR	RWY EXT.
35645	GROUND	224.9	0.1	TBR	RWY EXT.
35653	GROUND	224.9	0.1	TBR	RWY EXT.
35661	SIGN	225.9	1.1	FBF	NONE
35669	SIGN	225.9	1.1	FBF	NONE
35677	PAPI	226.2	1.3	TBR	RWY EXT.
35685	PAPI	226.2	1.3	TBR	RWY EXT.
35693	MISC_UTILITY	224.9	0.1	TBR	RWY EXT.
35701	SIGN	226.3	1.4	FBF	NONE
35709	TREE	232.2	7.3	TBR	RWY EXT.
35717	TREE	227.5	2.7	TBR	RWY EXT.
35725	TREE	226.2	1.4	TBR	RWY EXT.
35741	PAPI	225.9	1.1	TBR	RWY EXT.
35749	PAPI	225.9	1.1	TBR	RWY EXT.
35757	MISC_UTILITY	226.5	1.7	TBR	RWY EXT.
7154	WINDSOCK	252.4	27.6	NONE	-
7728	NAVAID	227.2	2.5	TBR	RWY EXT.
7736	NAVAID	227.4	2.7	TBR	RWY EXT.
8556	NAVAID	228 0	3.2	TBR	RWY EXT.
8564	NAVAID	226.9	2.0	TBR	RWY EXT.

DASH (-) INDICATES OBSTACLE CLEARS THE SURFACE OR IS OUTSIDE THE SURFACE AREA.
ALL NUMERICAL VALUES IN TABLES SHOWN TO THE TENTH REPRESENT FEET.

NOTES:
1. RWY EXT. = RUNWAY EXTENSION.
2. TBR = TO BE REMOVED.
3. FBF = FIXED BY FUNCTION.

LEGEND

ITEM	DESCRIPTION	ITEM	DESCRIPTION
250	EXISTING GROUND CONTOUR	TOFA	TAXIWAY OBJECT FREE AREA (TOFA)
	EXISTING AIRPORT PROPERTY LINE	TSA	TAXIWAY SAFETY AREA (TSA)
	EXISTING ROAD	x x	FENCE
	RUNWAY PAVEMENT & MARKINGS	xxx xxx xxx	FUTURE FENCE
	TAXIWAY PAVEMENT	ROFA	FUTURE RUNWAY OBJECT FREE AREA (ROFA)
	FUTURE RUNWAY PAVEMENT & MARKINGS	RSA	FUTURE RUNWAY SAFETY AREA (RSA)
	RUNWAY TAXIWAY PAVEMENT	OFZ	FUTURE OBJECT FREE ZONE (OFZ)
	PAVEMENT DEMOLITION	TOFA	TAXIWAY OBJECT FREE AREA (TOFA)
	BERM	TSA	TAXIWAY SAFETY AREA (TSA)
	FOREST / TREE CLUSTER	RPZ	RUNWAY PROTECTION ZONE (RPZ)
			STRUCTURES ON AIRPORT
ROFA	RUNWAY OBJECT FREE AREA (ROFA)		FUTURE STRUCTURES ON AIRPORT
RSA	RUNWAY SAFETY AREA (RSA)		
OFZ	OBJECT FREE ZONE (OFZ)		SERVICE ROAD
BRL	BUILDING RESTRICTION LINE (BRL)		

ALP Prepared By

JACOBSEN | DANIELS
Planning, Implementation, Operations & Management

Drawn: LDJ
Approved: SRG
Date: 03-28-2022
Project No.: 09-130-18-00

No.	Date	Revisions

FAA'S APPROVAL OF THIS AIRPORT LAYOUT PLAN (ALP) REPRESENTS ACCEPTANCE OF THE GENERAL LOCATION OF FUTURE FACILITIES DEPICTED (SHEET I7144C04). DURING THE PRELIMINARY DESIGN PHASE, THE AIRPORT OWNER IS REQUIRED TO RESUBMIT FOR APPROVAL THE FINAL LOCATIONS, HEIGHTS, AND EXTERIOR FINISH OF STRUCTURES. FAA'S CONCERN IS OBSTRUCTIONS, IMPACT ON ELECTRONIC AIDS, OR ADVERSE EFFECTS ON CONTROLLER VIEW OF AIRCRAFT APPROACHES AND GROUND MOVEMENT AREAS WHICH COULD ADVERSELY AFFECT THE SAFETY, EFFICIENCY, OR UTILITY OF THE AIRPORT.

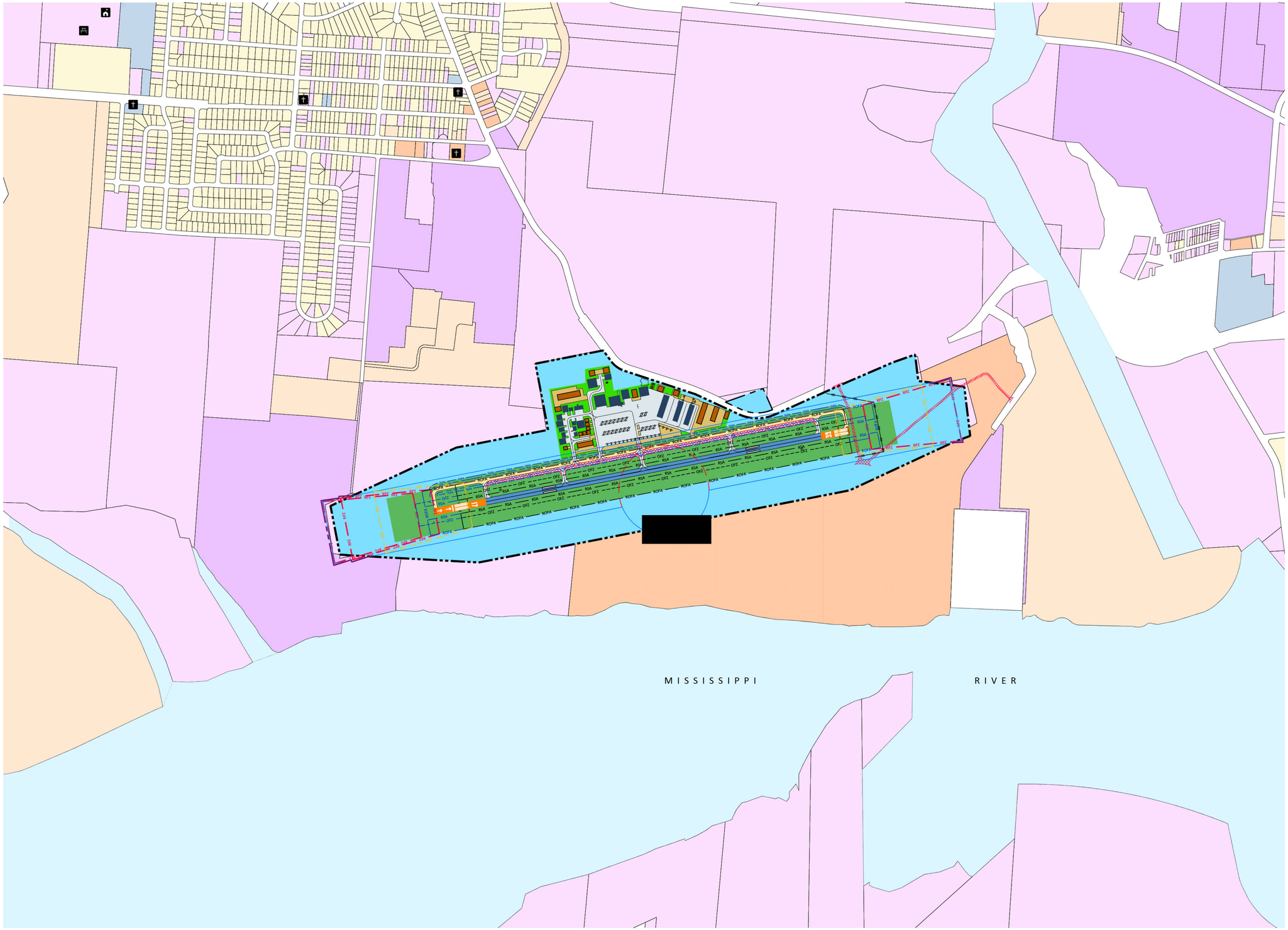
Notes
1. Obstruction survey data performed under AGIS Project #221825, dated July 2018.
2. Shelby County Zoning includes an airport overlay district that includes height restrictions associated with FAR Part 77 imaginary surfaces.

Sources

N
MAGNETIC DECLINATION
1.47° W ± 0 36'
May 29, 2020

EXISTING & FUTURE RWY 17-35 PLAN & PROFILE

AIRPORT LAYOUT PLAN DRAWING SET



LEGEND

ITEM	DESCRIPTION
	PARKS
	SCHOOLS
	CHURCHES
	AIRPORT PROPERTY BOUNDARY
RPZ	RUNWAY PROTECTION ZONE (RPZ)
ROFA	RUNWAY OBJECT FREE AREA (ROFA)
OFZ	OBJECT FREE ZONE (OFZ)
RSA	RUNWAY SAFETY AREA (RSA)
	MUNICIPAL LIMITS
	WATER
	PAVEMENT DEMOLITION
ROFA	FUTURE RUNWAY OBJECT FREE AREA (ROFA)
RSA	FUTURE RUNWAY SAFETY AREA (RSA)
OFZ	FUTURE OBJECT FREE ZONE (OFZ)
TSA	FUTURE TAXIWAY SAFETY AREA (TSA)
TOFA	FUTURE TAXIWAY OBJECT FREE AREA (TOFA)
	FUTURE FENCE
RPZ	FUTURE RUNWAY PROTECTION ZONE (RPZ)

ON AIRPORT LAND USE

ITEM	DESCRIPTION
	AIRFIELD DEVELOPMENT
	AIRFIELD MOVEMENT AREA
	AIRFIELD NON MOVEMENT AREA
	EXISTING BUILDING
	EXISTING RUNWAY
	EXISTING TAXIWAY
	EXISTING APRON
	FUTURE RUNWAY
	FUTURE TAXIWAY
	FUTURE APRON
	FUTURE BUILDING

OFF-AIRPORT LAND USE

ITEM	DESCRIPTION
	INDUSTRIAL
	COMMERCIAL
	RESIDENTIAL
	INSTITUTIONAL
	VACANT
	TRANSPORTATION
	OTHER

0' 500' 1000'

GRAPHIC SCALE: 1" = 500'

ALP Prepared By

JACOBSEN | DANIELS
Planning, Implementation, Operations & Management

Drawn:	LDJ
Approved:	SRG
Date:	03-28-2022
Project No.:	09-112-16-00

No.	Date	Revisions

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Notes

1. Noise contours are not included with the development of this Master Plan ALP.
2. Shelby County Zoning includes an airport overlay district that includes height restrictions associated with FAR Part 77 imaginary surfaces.

Sources

1. Land Use Data from City of Memphis GIS Database.

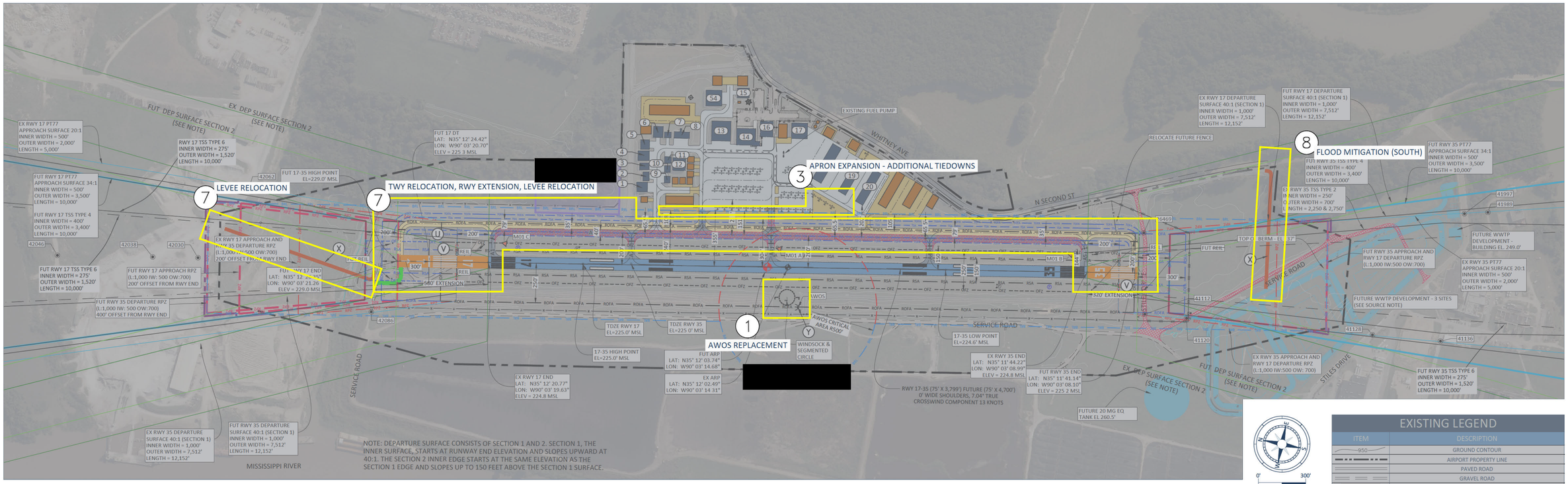
N

MAGNETIC DECLINATION
1.47° W ± 0 36'
May 29, 2020

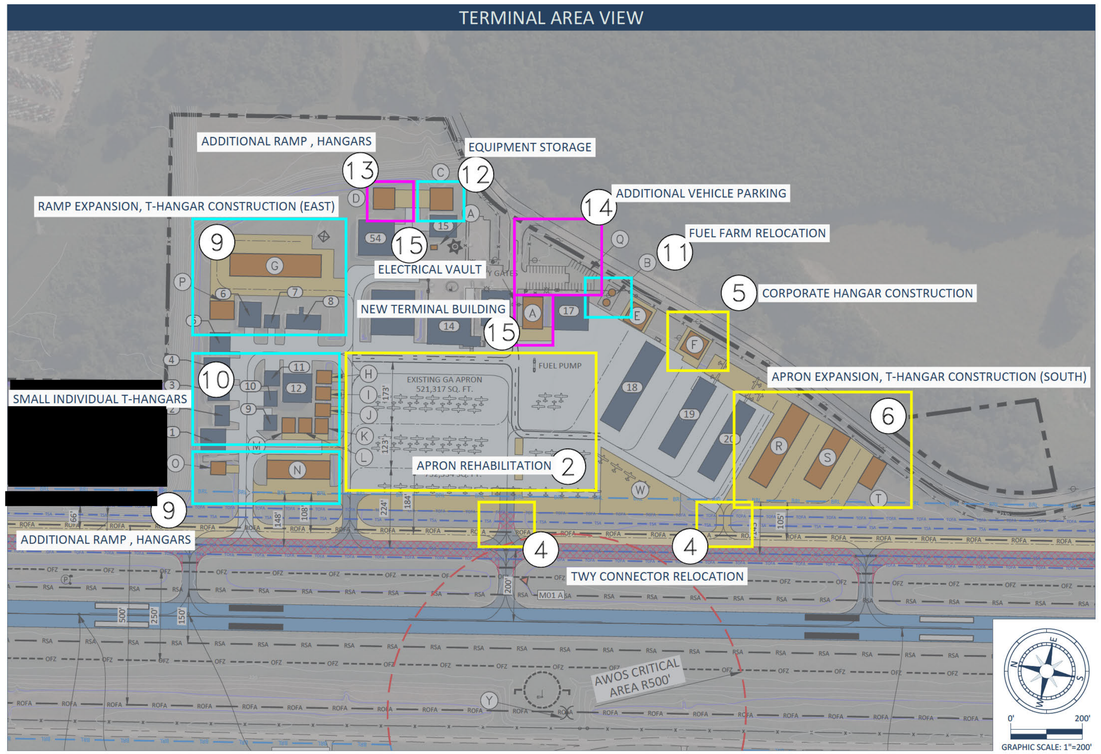
LAND USE DRAWING

AIRPORT LAYOUT PLAN DRAWING SET

General DeWitt Spain Airport



TERMINAL AREA VIEW



PHASING LEGEND

ITEM	DESCRIPTION
	SHORT TERM (0-5 YEARS)
	MEDIUM TERM (5-10 YEARS)
	LONG TERM (10+ YEARS)

CIP LEGEND

GROUP	DESCRIPTION	PHASE YEAR
1	AWOS REPLACEMENT	2023
2	APRON REHABILITATION	2023-2024
3	RAMP EXPANSION - ADDITIONAL TIEDOWNS & RECONFIGURATION	2025
4	TAXIWAY CONNECTOR RELOCATION	2026
5	RAMP AREA & CORPORATE HANGAR CONSTRUCTION	2025
6	RAMP EXPANSION & T-HANGAR CONSTRUCTION (OTHERS) - SOUTH	2025-2028
7	TWY RELOCATION & RWY EXTENSION + LEVEE RELOCATION	2026
8	FLOOD MITIGATION - SOUTH	2026
9	RAMP EXPANSION & T-HANGAR CONSTRUCTION - EAST	2030
10	SMALL INDIVIDUAL HANGARS (6)	2031
11	FUEL FARM RELOCATION	2032
12	EQUIPMENT STORAGE	2032
13	ADDITIONAL RAMP & HANGARS	2033
14	ADDITIONAL VEHICLE PARKING	2034
15	NEW TERMINAL BUILDING + ELECTRICAL VAULT	2034

NOTES: PROJECTS MAY REQUIRED ENABLING PROJECTS (I.E. TREE CLEARING, ROAD REMOVAL, GRADING, ETC.) PRIOR TO CONSTRUCTION. THESE ENABLING PROJECTS ARE ASSUMED TO OCCUR PRIOR TO PROJECT CONSTRUCTION AND ARE NOT LISTED AS SEPERATE PROJECTS ON THE AIRPORT'S CIP

EXISTING FACILITIES LEGEND

ID	TENANT/ DESCRIPTION	TOP ELEVATION
1	CONVENTIONAL HANGAR	250.3
2	CONVENTIONAL HANGAR	244.1
3	CONVENTIONAL HANGAR	245.5
4	CONVENTIONAL HANGAR	250.1
5	CONVENTIONAL HANGAR	243.7
6	CONVENTIONAL HANGAR	242.6
7	CONVENTIONAL HANGAR	244.8
8	CONVENTIONAL HANGAR	245.7
9	CONVENTIONAL HANGAR	242.9
10	CONVENTIONAL HANGAR	243.2
11	CONVENTIONAL HANGAR	246.3
12	CONVENTIONAL HANGAR	256.7
13	CONVENTIONAL HANGAR	249.1
14	FLIGHT SCHOOL & MSCAA TERMINAL BUILDING	252.7
15	CONVENTIONAL HANGAR	246.1
16	MSCAA MAINTENANCE HANGAR	247.7
17	CONVENTIONAL HANGAR	253.7
18	T-HANGAR	243.7
19	T-HANGAR	240.7
20	T-HANGAR	240.7
54	CONVENTIONAL HANGAR	251.6

NOTE: EXISTING FACILITIES HAVE NO IMPACT TO THE AIRPORT'S PART 77, APPROACH, OR DEPARTURE SURFACES

FUTURE FACILITIES/PROJECTS LEGEND

ID	FACILITY DESCRIPTION	TOP ELEVATION
A	TERMINAL & OFF-SITE ELECTRICAL VAULT	240 0-250.0
B	FUEL FARM	250 0
C	EQUIPMENT STORAGE	246 0
D	CONVENTIONAL HANGAR	251 0
E	CONVENTIONAL HANGAR	244 0
F	CONVENTIONAL HANGAR	244 0
G	T-HANGAR	256 0
H	T-HANGAR	256 0
I	T-HANGAR	256 0
J	T-HANGAR	256 0
K	T-HANGAR	256 0
L	T-HANGAR	256 0
M	T-HANGAR	256 0
N	T-HANGAR	256 0
O	T-HANGAR	256 0
P	T-HANGAR	256 0
Q	PARKING LOT EXPANSION	256 0
R	T-HANGAR	241 0
S	T-HANGAR	241 0
T	T-HANGAR	241 0
U	TAXIWAY EXTENSION	N/A
V	RUNWAY EXTENSION	N/A
W	APRON EXPANSION	N/A
X	BERM	237 0-240.0
Y	AWOS IMPROVEMENT	N/A

EXISTING LEGEND

ITEM	DESCRIPTION
950	GROUND CONTOUR
	AIRPORT PROPERTY LINE
	PAVED ROAD
	GRAVEL ROAD
	STRUCTURES ON AIRPORT
	RUNWAY PAVEMENT & MARKINGS
	TAXIWAY PAVEMENT
	APRON PAVEMENT
	AIRPORT REFERENCE POINT
	FENCE (7 FEET)
	ROTATING BEACON
RPZ	RUNWAY PROTECTION ZONE (RPZ)
	PART 77 SURFACE
	THRESHOLD SITING SURFACE (TSS)
	DEPARTURE SURFACE
123	FACILITY IDENTIFIER
	AUTOMATED WEATHER OBSERVING SYSTEM (AWOS)
	PRECISION APPROACH PATH INDICATOR (PAPI)
	WINDSOCK
	PACS/SACS
	ELECTRICAL TOWER
	RUNWAY END IDENTIFIER LIGHTS (REIL)
ROFA	RUNWAY OBJECT FREE AREA (ROFA)
RSA	RUNWAY SAFETY AREA (RSA)
OFZ	OBJECT FREE ZONE (OFZ)
	DRAINAGE DITCH

FUTURE LEGEND

ITEM	DESCRIPTION
	STRUCTURES ON AIRPORT
	RUNWAY PAVEMENT & MARKINGS
	TAXIWAY PAVEMENT
	APRON PAVEMENT
[redacted]	[redacted]
	AIRPORT REFERENCE POINT
XXX XXX XXX	FENCE (7 FEET)
BRL	BUILDING RESTRICTION LINE (BRL) - 35 FEET
ROFA	RUNWAY OBJECT FREE AREA (ROFA)
RSA	RUNWAY SAFETY AREA (RSA)
OFZ	OBJECT FREE ZONE (OFZ)
TOFA	TAXIWAY OBJECT FREE AREA (TOFA)
TSA	TAXIWAY SAFETY AREA (TSA)
RPZ	RUNWAY PROTECTION ZONE (RPZ)
	PART 77 SURFACE
	THRESHOLD SITING SURFACE (TSS)
	DEPARTURE SURFACE
	AWOS CRITICAL AREA
A	FACILITY IDENTIFIER
[redacted]	[redacted]
	SERVICE ROAD
	DEMOLITION
	STILES WWTP EXPANSION
[redacted]	[redacted]
	PRECISION APPROACH PATH INDICATOR (PAPI)
	RUNWAY END IDENTIFIER LIGHTS (REIL)

ALP Prepared By

JACOBSEN | DANIELS
Planning, Implementation, Operations & Management

Drawn:	LDJ
Approved:	SRG
Date:	03-28-2022
Project No.:	09-130-18-00

No.	Date	Revisions

FAA'S APPROVAL OF THIS AIRPORT LAYOUT PLAN (ALP) REPRESENTS ACCEPTANCE OF THE GENERAL LOCATION OF FUTURE FACILITIES DEPICTED (SHEET 17144C04). DURING THE PRELIMINARY DESIGN PHASE, THE AIRPORT OWNER IS REQUIRED TO RESUBMIT FOR APPROVAL THE FINAL LOCATIONS, HEIGHTS, AND EXTERIOR FINISH OF STRUCTURES. FAA'S CONCERN IS OBSTRUCTIONS, IMPACT ON ELECTRONIC AIDS, OR ADVERSE EFFECTS ON CONTROLLER VIEW OF AIRCRAFT APPROACHES AND GROUND MOVEMENT AREAS WHICH COULD ADVERSELY AFFECT THE SAFETY, EFFICIENCY, OR UTILITY OF THE AIRPORT.

Notes
1. Additional details, including pavement width and surface dimensions, can be found on Sheet 2 (Data Sheet). Existing TOFA and TSA for Taxiway A is not shown for clarity.
2. The BRL is an outline of the Runway Protection Zone (RPZ), Obstacle Free Zone (OFZ) and Object Free Areas (OFA), the surface is offset to allow building heights up to 35 feet without penetrating the 7:1 Part 77 Transitional Surface. Building shown inside the BRL do not penetrate the Part 77 Transitional Surface.
3. Navaids located within the RSA include only Runway lighting. (MIRL and REIL)

Sources
1. This map compiled by photogrammetric methods from aerial photography dated 09-15-2018. Survey based on Tennessee State Plane Coordinate System. Horizontal datum based on NAD 83 (2011), Vertical datum based on NAVD 1988.
2. WWTP expansion was reviewed under airspace case numbers: 2020-ASO-4762 to 4777-NRA and received a conditional no-objection determination. The development is being led by the WWTP not MSCAA.

N
MAGNETIC DECLINATION
1.47° W ± 0 36'
May 29, 2020

CAPITAL IMPROVEMENT PROJECTS DRAWING

AIRPORT LAYOUT PLAN DRAWING SET