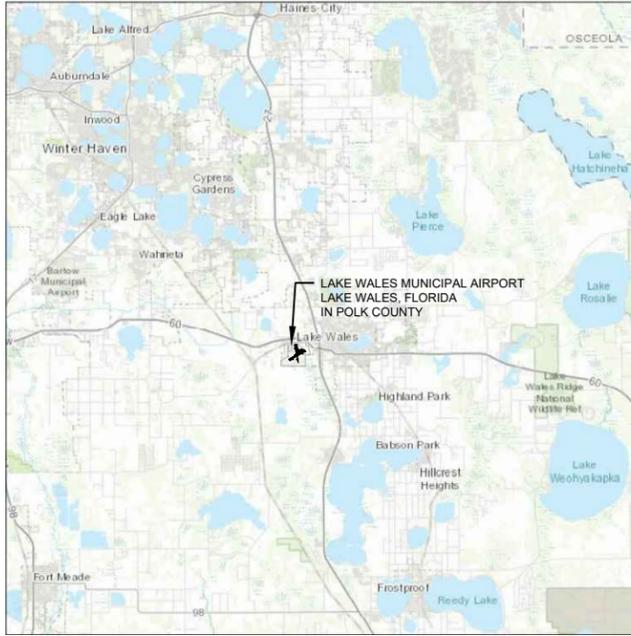
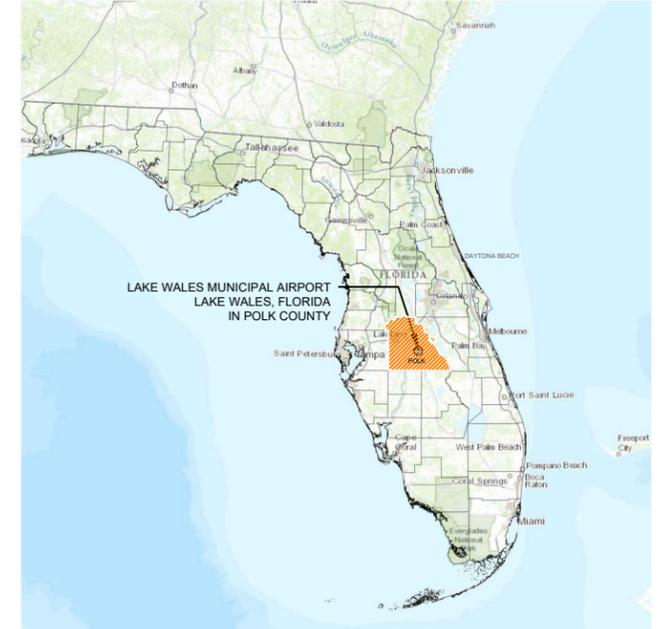


LAKE WALES MUNICIPAL AIRPORT LAKE WALES, FLORIDA



VICINITY MAP

AIRPORT LAYOUT PLAN DRAWING SET



LOCATION MAP

FAA AIP# 3-12-0040-024-2020
SEPTEMBER 2023

CITY COMMISSIONERS

- Jack Hilligoss, Mayor - SEAT 1
- Daniel Williams, Commissioner - SEAT 2
- Keith Thompson, Commissioner - SEAT 3
- Daniel Krueger, Commissioner - SEAT 4
- Robin Gibson, Commissioner - SEAT 5

AIRPORT SPONSOR APPROVAL

THIS AIRPORT LAYOUT PLAN DRAWING SET IS APPROVED BY:

SIGNATURE _____ DATE _____
NAME: _____
TITLE: _____

SHEET NO	INDEX OF DRAWINGS	REVISIONS
1	TITLE SHEET	
2	DATA SHEET	
3	ULTIMATE AIRPORT LAYOUT PLAN	
4	FUTURE FAR PART 77 AIRSPACE SURFACE	
5	AIRPORT AIRSPACE PROFILES	
6	INNER PORTION OF THE APPROACH PLAN AND PROFILE - RW 6	
7	INNER PORTION OF THE APPROACH PLAN AND PROFILE - RW 24	
8	INNER PORTION OF THE APPROACH PLAN AND PROFILE - RW 17-35	
9	RUNWAY 6-24 DEPARTURE SURFACE	
10	TERMINAL AREA PLAN	
11	AIRPORT LAND USE	
12	AIRPORT PROPERTY MAP	

PLANS PREPARED BY:



95 E. Mitchell Hammock Road, Suite 200 Oviedo, FL 32765
Office PH: 407-380-1919 Fax: 407-380-1830

Drawing number: 0-V1-PRD-ECTS-Lake-Wales-FL-V6-855731-00-Airport-Master-Plan-V2-CADD\Drawings\85573102-DATA-SHEET.dwg Sep 12, 2023 9:42am

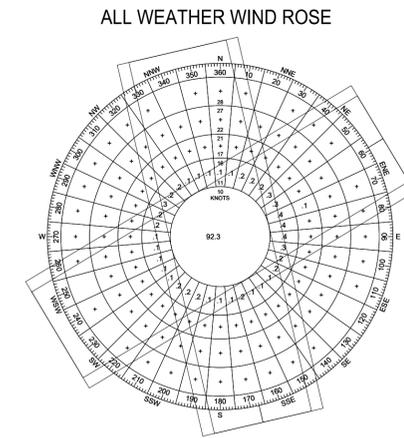
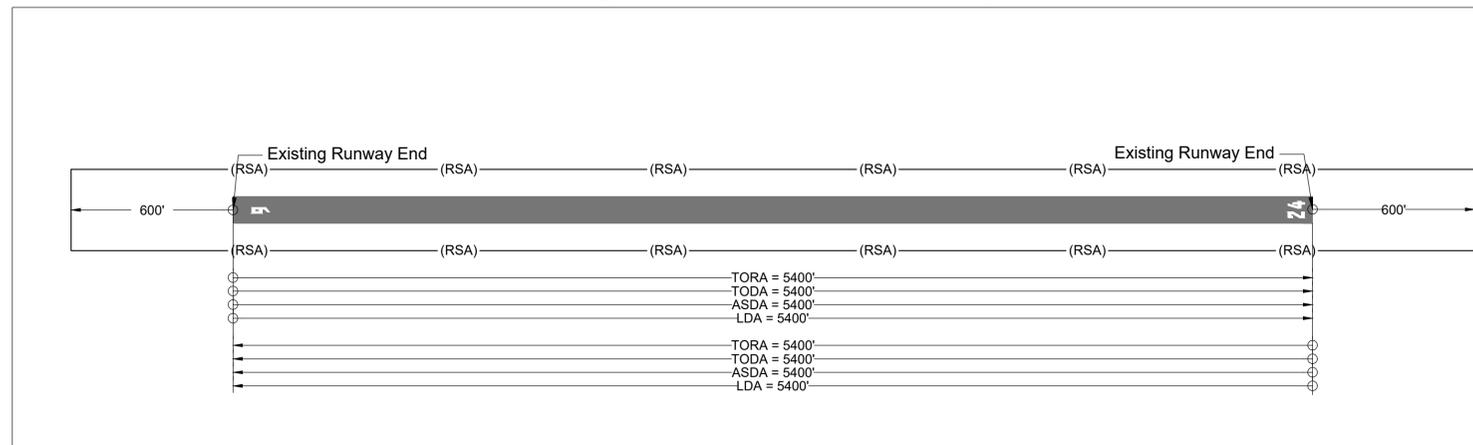
ITEM	RUNWAY DATA							
	RUNWAY 06/24		RUNWAY 17/35					
	EXISTING	PROPOSED	EXISTING	PROPOSED				
RUNWAY CATEGORY	GENERAL AVIATION	SAME	UTILITY	SAME				
RUNWAY DIMENSIONS (L x W)	5,400' x 100'	SAME	3,860' x 75'	SAME				
TRUE BEARING	N 59° 18' 40.0635" E	SAME	N 12° 40' 56.2409" W	SAME				
PCN	6/F/B/Y/T	SAME	8/F/B/Y/T	SAME				
APPROACH REFERENCE CODE (APRC)	D/M/4000 / D/N/4000	SAME	B/I(S)/4000	SAME				
DEPARTURE REFERENCE CODE (DPRC)	D/M / D/V	SAME	B/I(S)	SAME				
SURFACE TREATMENT	NONE	SAME	NONE	SAME				
EFFECTIVE GRADIENT (%)	0.07	SAME	0.05	SAME				
CROSSWIND COVERAGE	REFER TO WIND COVERAGE TABLE	REFER TO WIND COVERAGE TABLE	REFER TO WIND COVERAGE TABLE	REFER TO WIND COVERAGE TABLE				
RUNWAY SAFETY AREA DIMENSIONS (WIDTH / LENGTH BEYOND RUNWAY END)	150' / 300'	300' / 600'	120' / 240'	SAME				
RUNWAY OBJECT FREE AREA DIMENSIONS (WIDTH / LENGTH BEYOND RUNWAY END)	500' / 300'	SAME	250' / 240'	SAME				
RUNWAY OBJECT FREE ZONE DIMENSION (WIDTH / LENGTH BEYOND RUNWAY END)	400' / 200'	SAME	250' / 200'	SAME				
RUNWAY PROTECTION ZONE (LENGTH / INNER WIDTH / OUTER WIDTH)	1000' / 500' / 700'	SAME	1000' / 250' / 450'	SAME				
MAX RUNWAY ELEVATION (AMSL)	126.88'	SAME	126.36'	SAME				
PAVEMENT TYPE	ASPHALT	SAME	ASPHALT	SAME				
PAVEMENT STRENGTH (x 1,000 LBS.)	15.0 SINGLE WHEEL	SAME	15.0 SINGLE WHEEL	SAME				
DESIGN AIRCRAFT	CITATION SOVEREIGN	DASSAULT FALCON 900	BEECHCRAFT KING AIR B100	SAME				
RUNWAY LIGHTING	MIRL	SAME	NONE	MIRL				
RUNWAY MARKING	NON-PRECISION	PRECISION	VISUAL	SAME				
TAXIWAY LIGHTING	MITL	SAME	MITL	SAME				
RUNWAY DESIGN CODE (RDC)	B-II-5000	SAME	A-I-VIS	SAME				
PARALLEL TAXIWAY WIDTH	35'	SAME	25'	SAME				
TAXIWAY SAFETY AREA	79'	SAME	49'	SAME				
TAXIWAY OBJECT FREE AREA	124'	SAME	89'	SAME				
TAXIWAY SEPARATION TO RUNWAY	400'	SAME	150'	SAME				
TYPES OF INSTRUMENT APPROACH	RW 06 GPS (LP, LNAV), VOR	RW 24 GPS (LP, LNAV), VOR	RW 06 GPS (LP, LNAV), VOR	RW 24 GPS (LP, LNAV), VOR	RW 17 VOR	RW 35 VOR	RW 17 VOR	RW 35 VOR
APPROACH VISIBILITY MINIMUMS	1 MILE	1 MILE	ALL	SAME	VISUAL	VISUAL	SAME	SAME
DEPARTURE SURFACE	YES	YES	SAME	SAME	N/A	N/A	SAME	SAME
THRESHOLD SITING SURFACE (TSS)	TABLE 3-2 SURFACE 4	TABLE 3-2 SURFACE 4	TABLE 3-2 SURFACE 6	TABLE 3-2 SURFACE 6	TABLE 3-2 SURFACE 2	TABLE 3-2 SURFACE 2	SAME	TABLE 3-2 SURFACE 2
TYPE OF AERONAUTICAL SURVEY REQUIRED	NVGS	NVGS	SAME	SAME	NVGS	NVGS	SAME	SAME
NAVIGATIONAL AIDS	GPS / VOR	GPS / VOR	SAME	SAME	VOR	VOR	SAME	SAME
VISUAL AIDS	PAPI	PAPI	PAPI / MALSR	PAPI / ODALS	PAPI	PAPI	SAME	SAME
FAR PART 77 APPROACH CATEGORY	NON-PRECISION	NON-PRECISION	PRECISION	PRECISION	VISUAL	VISUAL	SAME	SAME
APPROACH SLOPE	34:1	34:1	50:1	SAME	20:1	20:1	SAME	SAME
RUNWAY END COORDINATES	LAT: 27° 53' 18.506" N LONG: 81° 37' 45.125" W	LAT: 27° 53' 45.655" N LONG: 81° 36' 53.276" W	SAME	SAME	LAT: 27° 53' 59.079" N LONG: 81° 37' 19.192" W	LAT: 27° 53' 21.775" N LONG: 81° 37' 09.880" W	SAME	SAME
RUNWAY END ELEVATION	123.64'	121.43'	SAME	SAME	123.53'	122.40'	SAME	SAME
TOUCHDOWN ZONE ELEVATION	126.0'	127.0'	SAME	SAME	126.36'	126.36'	SAME	SAME
DISPLACED THRESHOLD COORDINATES	LAT: N/A LONG: N/A	LAT: N/A LONG: N/A	LAT: N/A LONG: N/A	LAT: N/A LONG: N/A	LAT: N/A LONG: N/A	LAT: N027° 53' 20.422" LONG: W81° 37' 09.542"	LAT: N/A LONG: N/A	LAT: N/A LONG: N/A
DISPLACED THRESHOLD ELEVATION	N/A	N/A	N/A	N/A	N/A	121.95'	N/A	N/A
MODIFICATION TO STANDARDS	NONE REQUIRED	NONE REQUIRED	SAME	SAME	NONE REQUIRED	NONE REQUIRED	SAME	SAME
HORIZONTAL AND VERTICAL DATUM	HORIZONTAL: NAD 83 VERTICAL: NAD 88	HORIZONTAL: NAD 83 VERTICAL: NAD 88	HORIZONTAL: NAD 83 VERTICAL: NAD 88	HORIZONTAL: NAD 83 VERTICAL: NAD 88	HORIZONTAL: NAD 83 VERTICAL: NAD 88	HORIZONTAL: NAD 83 VERTICAL: NAD 88	HORIZONTAL: NAD 83 VERTICAL: NAD 88	HORIZONTAL: NAD 83 VERTICAL: NAD 88

ABBREVIATIONS	
AGL	Above Ground Level
AS	Approach Surface
AWOS	Automated Weather Observing System
BRL	Building Restriction Line
CONC	Concrete
DWL	Dual Wheel Loading
EL	Elevation
EX	Existing
FE	Future Easement
FUT	Future
GA	General Aviation
GPS	Global Positioning System
LAT	Latitude
MALSR	Medium Intensity Approach Lighting System with Runway Alignment Indicator Lights
MIRL	Medium Intensity Runway Lights
MITL	Medium Intensity Taxiway Lights
NPIAS	National Plan of Integrated Airport Systems
ODALS	Omnidirectional Approach Path Indicators
OFA	Object Free Area
OFZ	Obstacle Free Zone
PAPI	Precision Approach Path Indicator
PREC	Precision
PT	Point
RPZ	Runway Protection Zone
RSA	Runway Safety Area
RW	Runway
SF	Square Feet
SUP	Supplemental
SWL	Single Wheel Loading
TW	Taxiway
TBD	To Be Determined
TDZE	Touchdown Zone Elevation
TN	True North
TSA	Taxiway Safety Area
TSS	Threshold Siting Surface

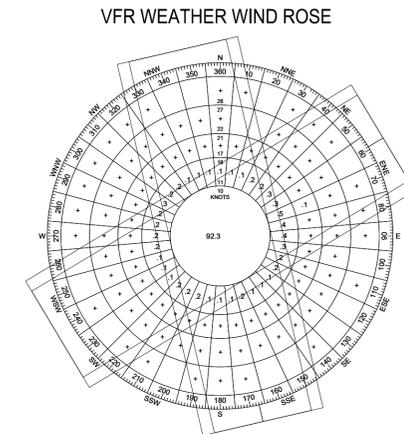
AIRPORT DATA			
DESCRIPTION	EXISTING	FUTURE	
AIRPORT REFERENCE CODE	B-II	SAME	
AIRPORT ELEVATION (AMSL)	127'	SAME	
NAVIGATIONAL AIDS	GPS / VOR / PAPI	GPS / VOR / PAPI / MALSR / ODALS	
MISCELLANEOUS FACILITIES	LIGHTED TAXIWAYS & AWOS-III	SAME	
AIRPORT REFERENCE POINT	LAT: 27° 53' 35.559" N LONG: 81° 37' 17.257" W	SAME	
MEAN MAXIMUM TEMPERATURE (HOTTEST MONTH)	93°	SAME	
CRITICAL AIRCRAFT	CITATION SOVEREIGN	FALCON 900	
AIRPORT ROLE (NPIAS)	GENERAL AVIATION	SAME	
STATE SERVICE LEVEL	GENERAL AVIATION	SAME	
LAND OWNED IN FEE	544.07 ACRES	SAME	
EASEMENTS	14.5 ACRES	SAME	
MAGNETIC VARIATION	6° 25' WEST	0° 5' WEST / YR.	

EXISTING & FUTURE DECLARED DISTANCES				
	RUNWAY 06	RUNWAY 24	RUNWAY 17	RUNWAY 36
TAKE-OFF RUNWAY AVAILABLE (TORA)	5,400'	5,400'	3,860'	3,860'
TAKE-OFF DISTANCE AVAILABLE (TODA)	5,400'	5,400'	3,860'	3,860'
ACCELERATED STOP DISTANCE AVAILABLE (ASDA)	5,400'	5,400'	3,860'	3,860'
LANDING DISTANCE AVAILABLE (LDA)	5,400'	5,400'	3,860'	3,860'

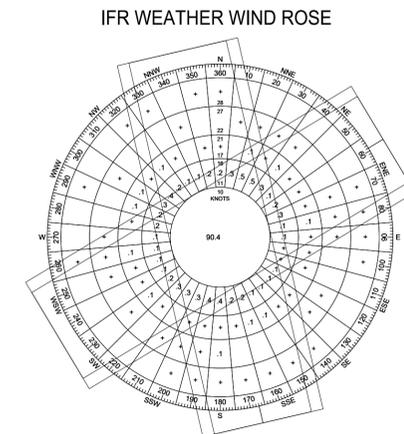
Existing & Future Declared Distances Graphic



Crosswind Component Knots (MPH)	Runway 06-24	Runway 17-35	Combined Coverage
10.5 (12)	97.19%	95.77%	99.23%
13 (15)	98.57%	97.70%	99.81%



Crosswind Component Knots (MPH)	Runway 06-24	Runway 17-35	Combined Coverage
10.5 (12)	97.26%	95.67%	99.25%
13 (15)	98.63%	97.64%	99.83%



Crosswind Component Knots (MPH)	Runway 06-24	Runway 17-35	Combined Coverage
10.5 (12)	95.71%	96.26%	99.01%
13 (15)	97.55%	97.67%	99.64%

3-12-0040-024-2020
 PROJ. NO.: 855731
 DRAWN: JLC
 DESIGN: RJS
 CHECKED: VMI
 DATE: SEP 2023
 SHEET 2 OF 12

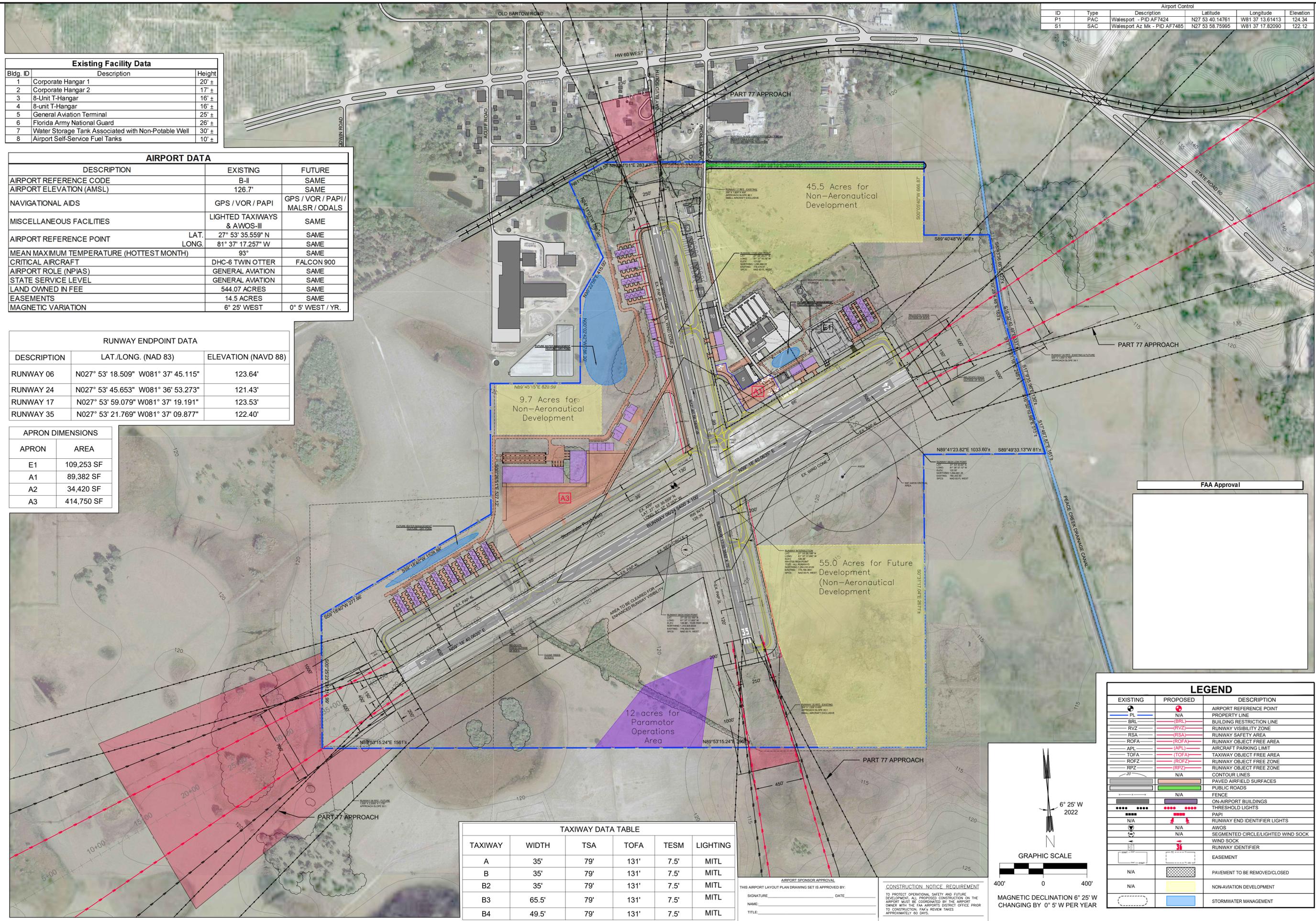
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SHEET TITLE: DATA SHEET

MASTER PLAN UPDATE
 LAKE WALES MUNICIPAL AIRPORT
 POLK COUNTY
 LAKE WALES, FLORIDA

HOYLE TANNER
 811. Michael Hammond, Inc. 3401 30th Street, Ocala, FL 32068
 (352) 349-3174 www.htinc.com

Drawing name: C:\V1_Productions\Lake-Wales-FL_V0_855731_00-Airport-Master-Plan_V2-CADD\Drawings\855731003_AIP.dwg Sep 15, 2023 3:12pm



Existing Facility Data		
Bldg. ID	Description	Height
1	Corporate Hangar 1	20' ±
2	Corporate Hangar 2	17' ±
3	8-Unit T-Hangar	16' ±
4	8-unit T-Hangar	16' ±
5	General Aviation Terminal	25' ±
6	Florida Army National Guard	26' ±
7	Water Storage Tank Associated with Non-Potable Well	30' ±
8	Airport Self-Service Fuel Tanks	10' ±

AIRPORT DATA		
DESCRIPTION	EXISTING	FUTURE
AIRPORT REFERENCE CODE	B-II	SAME
AIRPORT ELEVATION (AMSL)	126.7'	SAME
NAVIGATIONAL AIDS	GPS / VOR / PAPI	GPS / VOR / PAPI / MALS / ODALS
MISCELLANEOUS FACILITIES	LIGHTED TAXIWAYS & AWOS-III	SAME
AIRPORT REFERENCE POINT	LAT. 27° 53' 35.559" N LONG. 81° 37' 17.257" W	SAME
MEAN MAXIMUM TEMPERATURE (HOTTEST MONTH)	93°	SAME
CRITICAL AIRCRAFT	DHC-6 TWIN OTTER	FALCON 900
AIRPORT ROLE (NPIAS)	GENERAL AVIATION	SAME
STATE SERVICE LEVEL	GENERAL AVIATION	SAME
LAND OWNED IN FEE	544.07 ACRES	SAME
EASEMENTS	14.5 ACRES	SAME
MAGNETIC VARIATION	6° 25' WEST	0° 5' WEST / YR.

RUNWAY ENDPOINT DATA		
DESCRIPTION	LAT./LONG. (NAD 83)	ELEVATION (NAVD 88)
RUNWAY 06	N027° 53' 18.509" W081° 37' 45.115"	123.64'
RUNWAY 24	N027° 53' 45.653" W081° 36' 53.273"	121.43'
RUNWAY 17	N027° 53' 59.079" W081° 37' 19.191"	123.53'
RUNWAY 35	N027° 53' 21.769" W081° 37' 09.877"	122.40'

APRON DIMENSIONS	
APRON	AREA
E1	109,253 SF
A1	89,382 SF
A2	34,420 SF
A3	414,750 SF

Airport Control					
ID	Type	Description	Latitude	Longitude	Elevation
P1	PAC	Walesport - PID AF7424	N27 53 40.14761	W81 37 13.61413	124.34
S1	SAC	Walesport Az Mk - PID AF7485	N27 53 58.75995	W81 37 17.82090	122.12

REV. NO.	DATE	DESCRIPTION	BY

ULTIMATE AIRPORT
LAYOUT PLAN

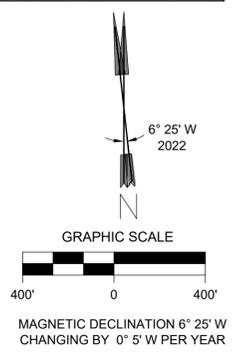
SHEET TITLE

MASTER PLAN UPDATE
LAKE WALES MUNICIPAL AIRPORT
POLK COUNTY
LAKE WALES, FLORIDA



TAXIWAY DATA TABLE					
TAXIWAY	WIDTH	TSA	TOFA	TESM	LIGHTING
A	35'	79'	131'	7.5'	MITL
B	35'	79'	131'	7.5'	MITL
B2	35'	79'	131'	7.5'	MITL
B3	65.5'	79'	131'	7.5'	MITL
B4	49.5'	79'	131'	7.5'	MITL

LEGEND		
EXISTING	PROPOSED	DESCRIPTION
●	●	AIRPORT REFERENCE POINT
—	—	PROPERTY LINE
—	—	BUILDING RESTRICTION LINE
—	—	RUNWAY VISIBILITY ZONE
—	—	RUNWAY SAFETY AREA
—	—	RUNWAY OBJECT FREE AREA
—	—	AIRCRAFT PARKING LIMIT
—	—	TAXIWAY OBJECT FREE AREA
—	—	RUNWAY OBJECT FREE ZONE
—	—	RUNWAY OBJECT FREE ZONE
—	—	CONTOUR LINES
—	—	PAVED AIRFIELD SURFACES
—	—	PUBLIC ROADS
—	—	FENCE
—	—	ON-AIRPORT BUILDINGS
—	—	THRESHOLD LIGHTS
—	—	PAPI
—	—	RUNWAY END IDENTIFIER LIGHTS
—	—	AWOS
—	—	SEGMENTED CIRCLE/LIGHTED WIND SOCK
—	—	WIND SOCK
—	—	RUNWAY IDENTIFIER
—	—	EASEMENT
—	—	PAVEMENT TO BE REMOVED/CLOSED
—	—	NON-AVIATION DEVELOPMENT
—	—	STORMWATER MANAGEMENT



AIRPORT SPONSOR APPROVAL
THIS AIRPORT LAYOUT PLAN DRAWING SET IS APPROVED BY:
SIGNATURE: _____ DATE: _____
NAME: _____
TITLE: _____

CONSTRUCTION NOTICE REQUIREMENT
TO PROJECT OPERATIONAL SAFETY AND FUTURE DEVELOPMENT, ALL PROPOSED CONSTRUCTION ON THE AIRPORT MUST BE COORDINATED BY THE AIRPORT OWNER WITH THE FAA AIRPORTS DISTRICT OFFICE PRIOR TO CONSTRUCTION. FAA'S REVIEW TAKES APPROXIMATELY 60 DAYS.

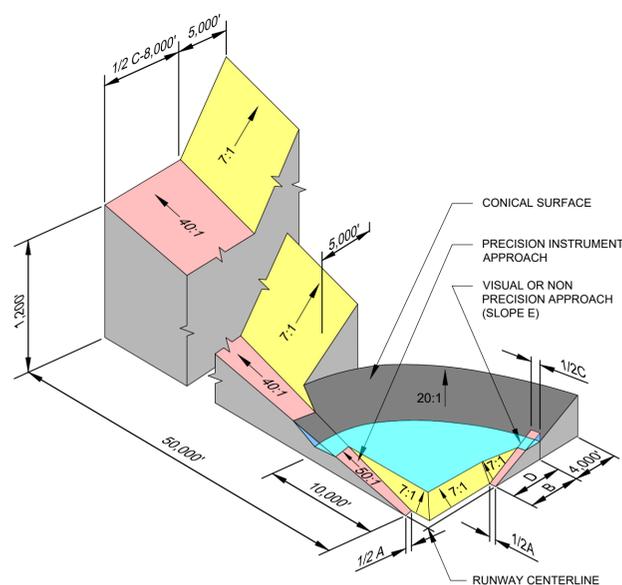
MAGNETIC DECLINATION 6° 25' W
CHANGING BY 0° 5' W PER YEAR

DO NOT SCALE DRAWING

3-12-0040-024-2020
855731
PROJ. NO.:
DRAWN: JLC
DESIGN: RJS
CHECKED: VMI
DATE: SEP 2023

BY: _____

SHEET 3 OF 12



ISOMETRIC VIEW OF SECTION

RUNWAY ENDPOINT DATA		
DESCRIPTION	LAT./LONG. (NAD 83)	ELEVATION (NAVD 88)
RUNWAY 06	N027° 53' 18.509" W081° 37' 45.115"	123.64'
RUNWAY 24	N027° 53' 45.653" W081° 36' 53.273"	121.43'
RUNWAY 17	N027° 53' 59.079" W081° 37' 19.191"	123.53'
RUNWAY 35	N027° 53' 21.769" W081° 37' 09.877"	122.40'
RUNWAY 35 RELOCATED	N027° 53' 20.422" W081° 37' 09.542"	121.95'

DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY		PRECISION INSTRUMENT RUNWAY	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	A	B	A	C	D	PRECISION INSTRUMENT RUNWAY
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
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	*

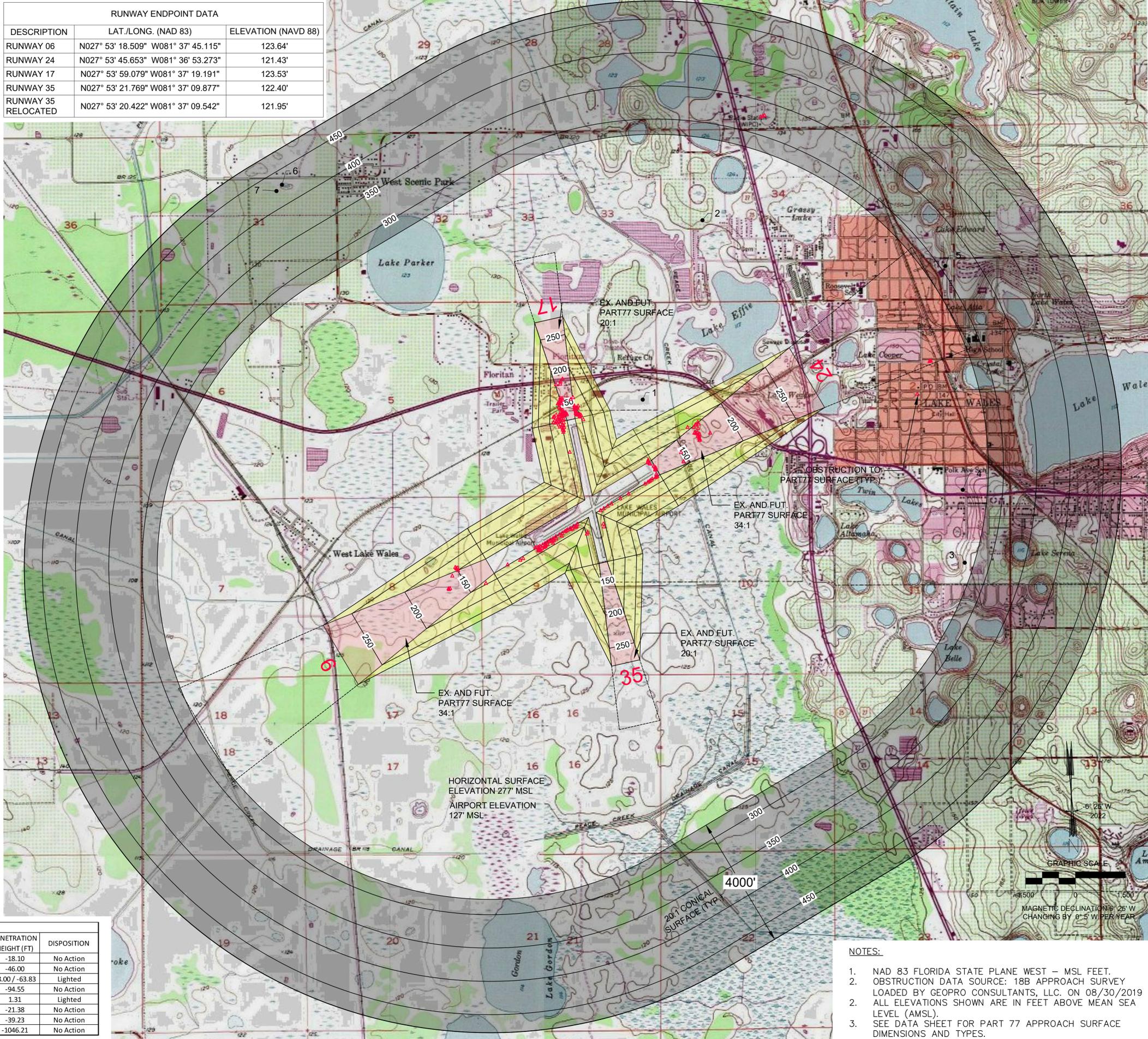
- A - UTILITY RUNWAYS
- B - RUNWAYS LARGER THAN UTILITY
- C - VISIBILITY MINIMUMS GREATER THAN 3/4 MILES
- D - VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
- E - PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET

FEDERAL AVIATION REGULATIONS PART 77, STATES THAT A STRUCTURE IS PRESUMED TO HAVE A SUBSTANTIAL ADVERSE EFFECT UPON THE SAFE AND EFFICIENT USE OF NAVIGABLE AIRSPACE IF ITS HEIGHT EXCEEDS THE FOLLOWING STANDARDS:

- A HEIGHT OF FIVE HUNDRED (500) FEET ABOVE GROUND LEVEL AT THE SITE OF THE OBJECT ANYWHERE IN THE STATE.
- A HEIGHT THAT IS TWO HUNDRED (200) FEET ABOVE GROUND LEVEL OR ABOVE THE ESTABLISHED AIRPORT ELEVATION, WHICHEVER IS HIGHER, WITHIN THREE (3) NAUTICAL MILES OF THE ESTABLISHED REFERENCED POINT OF A PUBLIC-USE AIRPORT, EXCLUDING HELIPOINTS, AND THE HEIGHT INCREASES IN THE PROPORTION OF ONE HUNDRED (100) FEET FOR EACH ADDITIONAL NAUTICAL MILE OF DISTANCE FROM THE AIRPORT UP TO A MAXIMUM OF FIVE HUNDRED (500) FEET.
- A HEIGHT WITHIN A TERMINAL OBSTACLE CLEARANCE AREA, INCLUDING AN INITIAL APPROACH SEGMENT, A DEPARTURE AREA, AND A CIRCLING APPROACH AREA, AS DEFINED BY FEDERAL LAWS AND REGULATIONS, WHICH WOULD RESULT IN THE VERTICAL DISTANCE BETWEEN ANY POINT ON THE OBJECT AND AN ESTABLISHED MINIMUM INSTRUMENT FLIGHT ALTITUDE WITHIN THAT AREA OR SEGMENT TO BE LESS THAN THE REQUIRED OBSTACLE CLEARANCE.
- A HEIGHT WITHIN AN EN ROUTE OBSTACLE CLEARANCE AREA, AS DEFINED BY FEDERAL LAWS AND REGULATIONS, INCLUDING TURN AND TERMINATION AREAS, OF A FEDERAL AIRWAY OR APPROVED OFF-AIRWAY ROUTE, THAT WOULD INCREASE THE MINIMUM OBSTACLE CLEARANCE ALTITUDE.
- THE SURFACE OF A TAKEOFF AND LANDING AREA OF A PUBLIC-USE AIRPORT OR ANY IMAGINARY SURFACE AS ESTABLISHED BY FAR PART 77. HOWEVER, NO PART OF THE TAKEOFF OR LANDING AREA ITSELF WILL BE CONSIDERED TO BE AN OBSTRUCTION.

NOTE: FAR PART 77 IMAGINARY SURFACES ARE AS SHOWN ON THIS SHEET LAKE WALES MUNICIPAL AIRPORT. THESE SURFACES ARE DEPICTED BASED UPON EXISTING AND ULTIMATE AIRPORT DEVELOPMENT.

PART 77 OBSTRUCTION TABLE						
OBJECT #	OBJECT DESCRIPTION	IMPACTED PT-77 SURFACE	PT-77 ELEV (FT. AMSL)	OBJECT HEIGHT (FT. AMSL)	PENETRATION HEIGHT (FT)	DISPOSITION
1	Building	Approach	173.10	155	-18.10	No Action
2	Transmission Line Tower	Horizontal	277.00	231	-46.00	No Action
3	Tank	Horizontal / Approach	277.00 / 378.83	315	38.00 / -63.83	Lighted
4	Pole	Conical	444.55	350	-94.55	No Action
5	Tower	Conical	335.69	337	-1.31	Lighted
6	Tower	Conical	359.38	338	-21.38	No Action
7	Tower	Conical	356.23	317	-39.23	No Action
8	Tower	Transitional	1314.21	268	-1046.21	No Action



- NOTES:
- NAD 83 FLORIDA STATE PLANE WEST - MSL FEET.
 - OBSTRUCTION DATA SOURCE: 18B APPROACH SURVEY LOADED BY GEOPRO CONSULTANTS, LLC. ON 08/30/2019
 - ALL ELEVATIONS SHOWN ARE IN FEET ABOVE MEAN SEA LEVEL (AMSL).
 - SEE DATA SHEET FOR PART 77 APPROACH SURFACE DIMENSIONS AND TYPES.

Drawing name: G:\V\PROJECTS\Lake-Wales-FL\16_855731_00-Airport-Master-Plan\2-CADD\Drawings\855731004-FUTURE FAR PART 77.dwg Sep 12, 2023 8:46am

REV. NO.	DATE	DESCRIPTION	BY

PROJECT NO.: 855731
 DRAWN: JLC
 DESIGN: RJS
 CHECKED: VMI
 DATE: SEP 2023

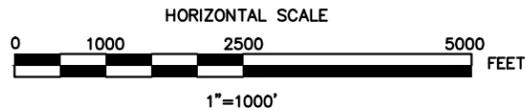
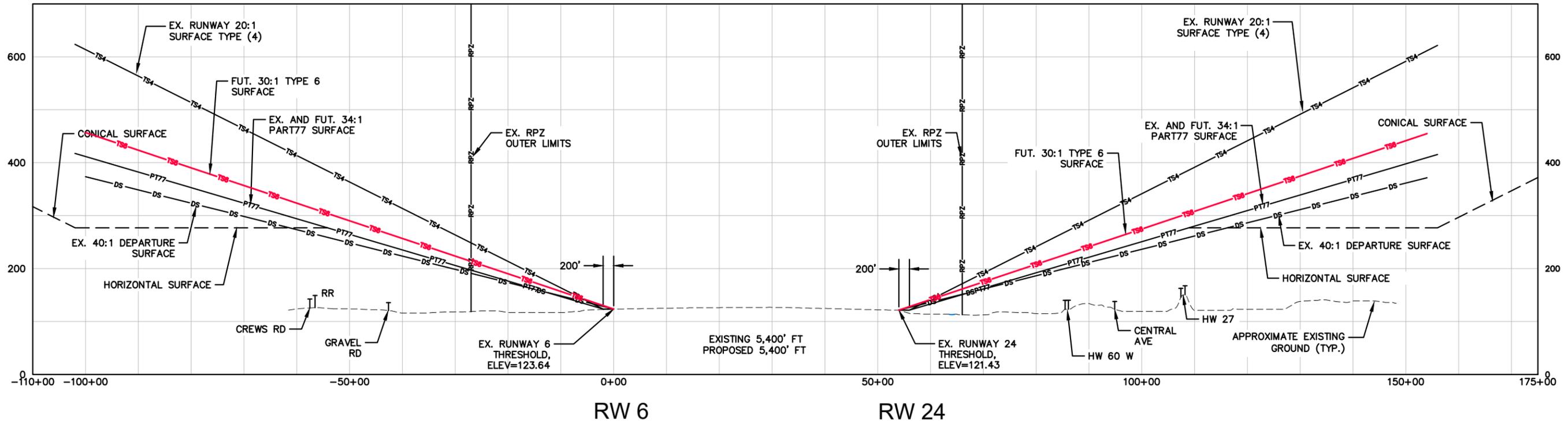
SHEET 4 OF 12

SHEET TITLE

PART 77 AIRSPACE

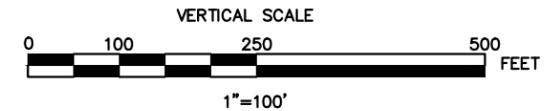
MASTER PLAN UPDATE
 LAKE WALES MUNICIPAL AIRPORT
 POLK COUNTY
 LAKE WALES, FLORIDA

RUNWAY 6-24 APPROACH / DEPARTURE PROFILE

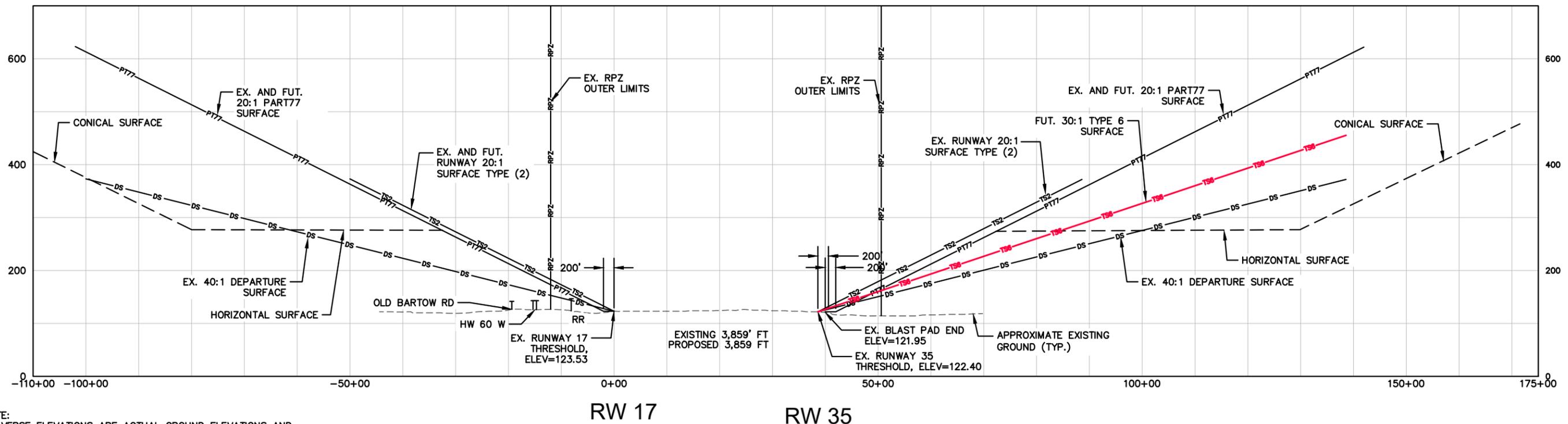


NOTES:

1. NAD 83 FLORIDA STATE PLANE WEST - MSL FEET.
2. OBSTRUCTION DATA SOURCE: 18B APPROACH SURVEY LOADED BY GEOPRO CONSULTANTS, LLC. ON 08/30/2019
3. ALL ELEVATIONS SHOWN ARE IN FEET ABOVE MEAN SEA LEVEL (AMSL).
3. SEE DATA SHEET FOR PART 77 APPROACH SURFACE DIMENSIONS AND TYPES.



RUNWAY 17-35 APPROACH / DEPARTURE PROFILE



NOTE:
TRAVERSE ELEVATIONS ARE ACTUAL GROUND ELEVATIONS AND REQUIRE ADJUSTMENTS: 23' FOR RAILWAYS, 17' FOR INTERSTATE, 15' FOR OTHER PUBLIC ROADS, AND 10' FOR PRIVATE ROADS.

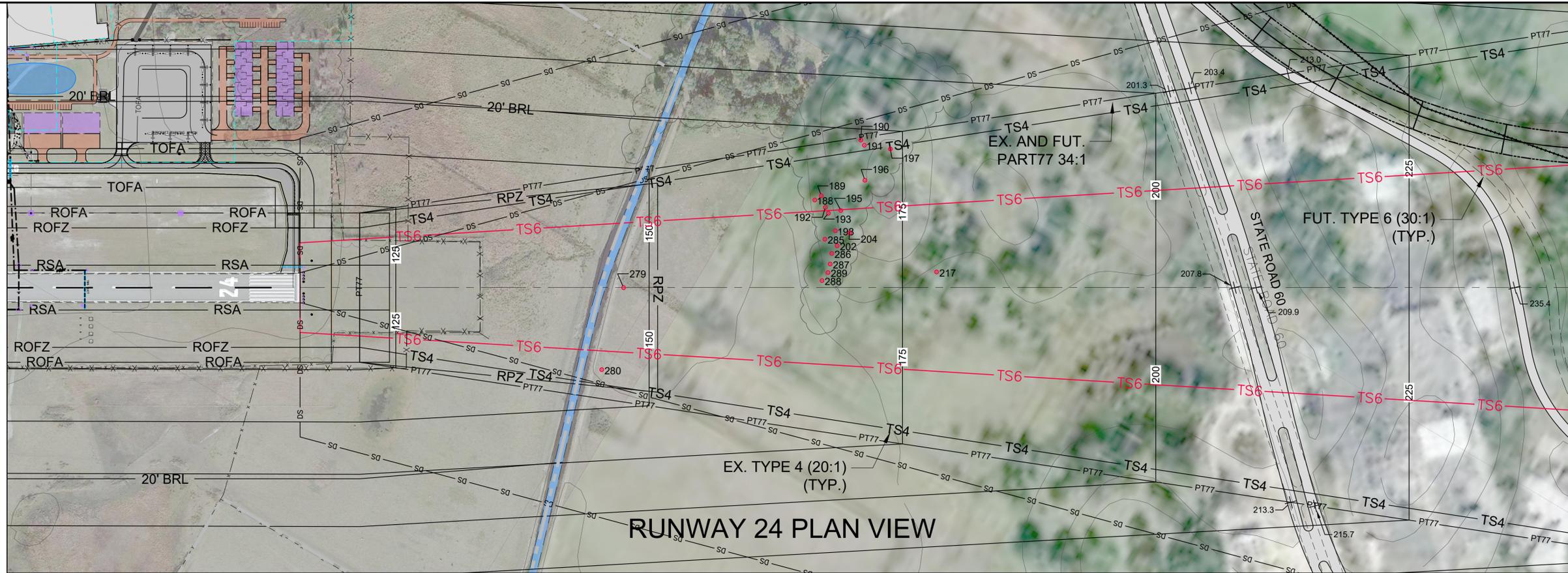
REV. NO.	DESCRIPTION	DATE

BY: _____
 PROJECT NO.: 3-12-0040-024-2020
 DRAWN: JLC
 DESIGN: RJS
 CHECKED: VMI
 DATE: SEP 2023

SHEET TITLE: AIRPORT AIRSPACE PROFILES
 MASTER PLAN UPDATE
 LAKE WALES MUNICIPAL AIRPORT
 POLK COUNTY
 LAKE WALES, FLORIDA



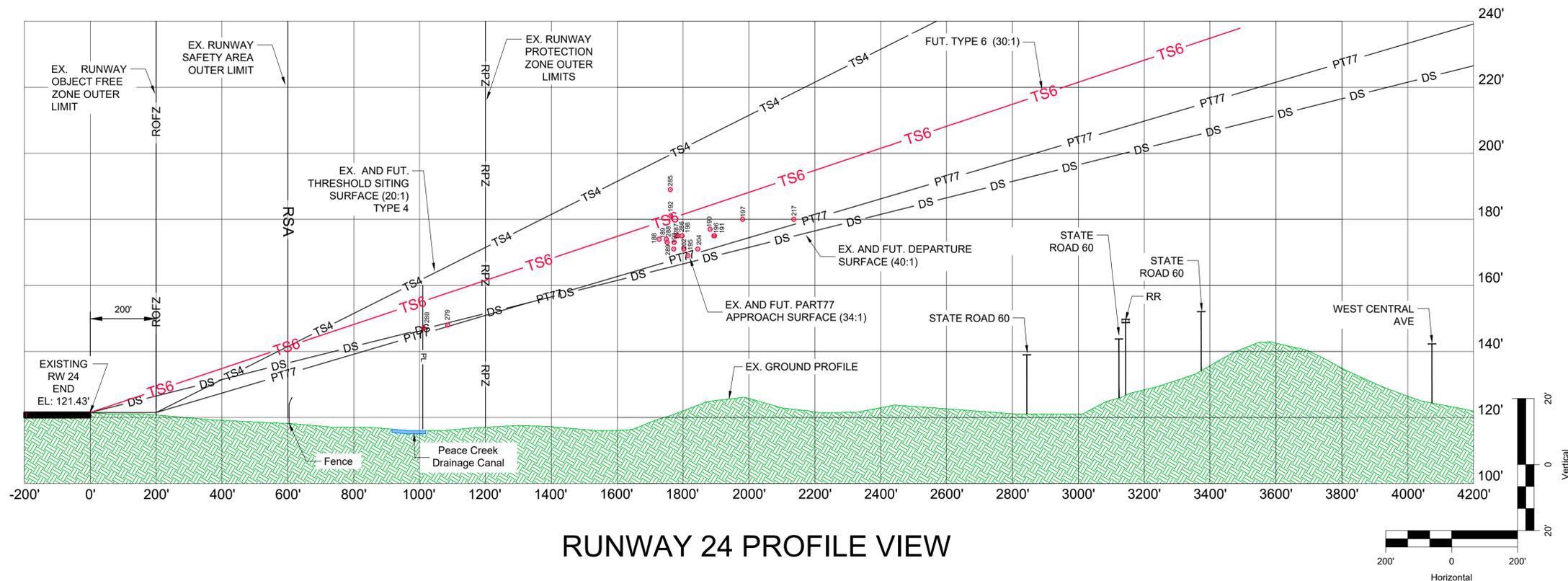
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RUNWAY 24 PLAN VIEW

RUNWAY 24 34:1 PART77 APPROACH (ONLY) OBSTRUCTIONS

Pt No	Desc	Pt Elev	Dist Above Surf	Surf Elev	x	y	ACTION
185	TREE	169	0.4	168.6	781906.64	1296402.84	REMOVE
188	TREE	174	7.7	166.4	781922.44	1296229.18	REMOVE
189	TREE	174	7.0	167.0	781934.03	1296252.45	REMOVE
190	TREE	177	6.1	170.9	781953.04	1296480.75	REMOVE
191	TREE	175	3.8	171.2	781971.92	1296471.72	REMOVE
192	TREE	181	13.6	167.4	781965.52	1296226.29	REMOVE
193	TREE	173	5.3	167.7	781984.40	1296214.23	REMOVE
195	TREE	169	0.1	168.9	782015.71	1296243.62	REMOVE
196	TREE	175	3.7	171.3	782033.24	1296371.93	REMOVE
197	TREE	180	6.2	173.8	782053.46	1296505.30	REMOVE
198	TREE	175	6.6	168.4	782034.76	1296176.02	REMOVE
202	TREE	171	2.4	168.6	782065.40	1296135.72	REMOVE
204	TREE	171	1.2	169.8	782079.57	1296194.34	REMOVE
217	TREE	180	1.6	178.4	782397.07	1296230.69	REMOVE
279	POLE	148	0.5	147.5	781520.53	1295649.24	REMOVE
280	POLE	147	1.7	145.3	781597.67	1295375.80	REMOVE
285	TREE	189	21.7	167.4	782018.75	1296133.55	REMOVE
286	TREE	175	7.0	168.0	782062.81	1296104.40	REMOVE
287	TREE	175	7.1	167.9	782076.37	1296071.12	REMOVE
288	TREE	173	5.9	167.1	782081.05	1296009.53	REMOVE
289	TREE	171	3.4	167.7	782084.53	1296042.87	REMOVE



RUNWAY 24 PROFILE VIEW

NOTES:

- NAD 83 FLORIDA STATE PLANE WEST MSL FEET.
- OBSTRUCTION DATA SOURCE: 18B APPROACH SURVEY LOADED BY GEOPRO CONSULTANTS, LLC. ON 08/30/2019
- ALL ELEVATIONS SHOWN ARE IN FEET ABOVE MEAN SEA LEVEL (AMSL).
- SEE DATA SHEET FOR PART 77 APPROACH SURFACE DIMENSIONS AND TYPES.

REV. NO.	DATE	DESCRIPTION

**INNER PORTION OF THE APPROACH
PLAN AND PROFILE - RW 24**

MASTER PLAN UPDATE
LAKE WALES MUNICIPAL AIRPORT
POLK COUNTY
LAKE WALES, FLORIDA

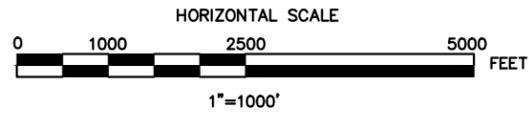
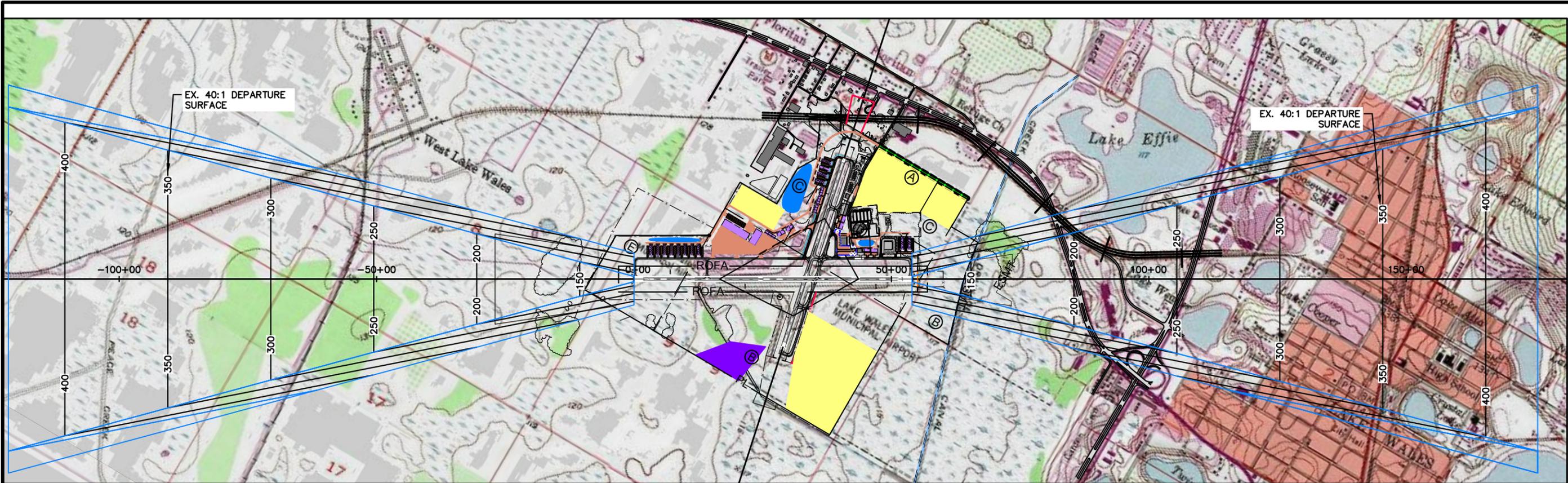


3-12-0040-024-2020
855731
JLC
RJS
VM
SEP 2023

BY
AIP NO.
PROJ. NO.
DRAWN:
DESIGN:
CHECKED:
DATE:

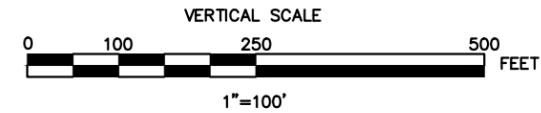
SHEET 7 OF 12

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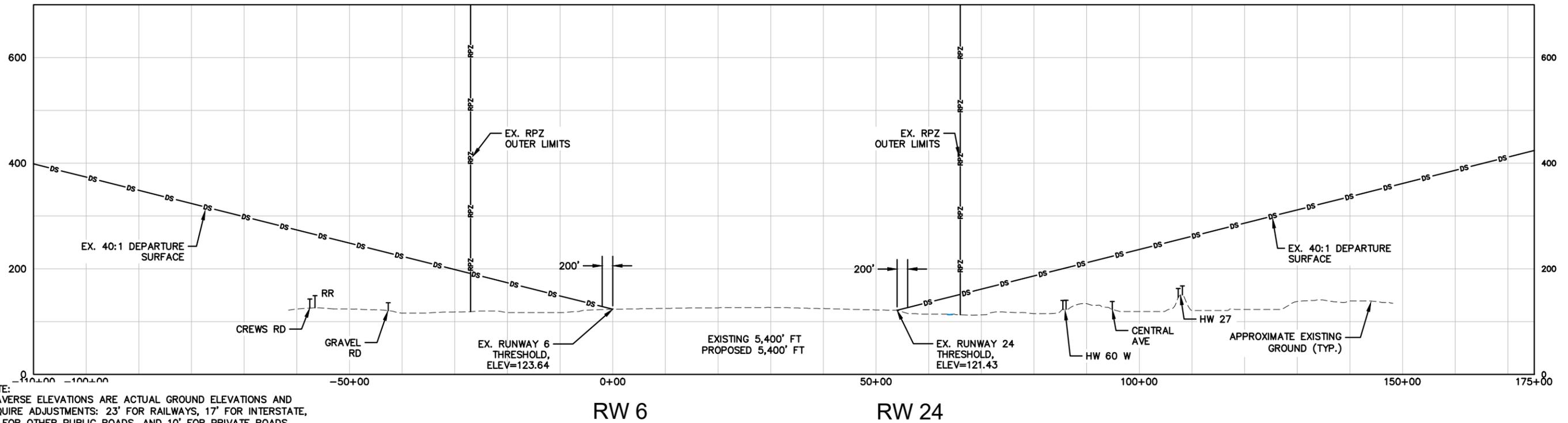


NOTES:

1. NAD 83 FLORIDA STATE PLANE WEST – MSL FEET.
2. OBSTRUCTION DATA SOURCE: 18B APPROACH SURVEY LOADED BY GEOPRO CONSULTANTS, LLC. ON 08/30/2019
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RUNWAY 6-24 DEPARTURE PROFILE



NOTE:
 TRAVERSE ELEVATIONS ARE ACTUAL GROUND ELEVATIONS AND REQUIRE ADJUSTMENTS: 23' FOR RAILWAYS, 17' FOR INTERSTATE, 15' FOR OTHER PUBLIC ROADS, AND 10' FOR PRIVATE ROADS.

REV. NO.	DATE	DESCRIPTION	BY

SHEET TITLE
RUNWAY 6-24 DEPARTURE SURFACE
 PROJECT NO.: 3-12-0040-024-2020
 PROJ. NO.: 855731
 DRAWN: JLC
 DESIGN: ST
 CHECKED: VM
 DATE: SEP 2023
 SHEET 9 OF 12

MASTER PLAN UPDATE
 LAKE WALES MUNICIPAL AIRPORT
 POLK COUNTY
 LAKE WALES, FLORIDA

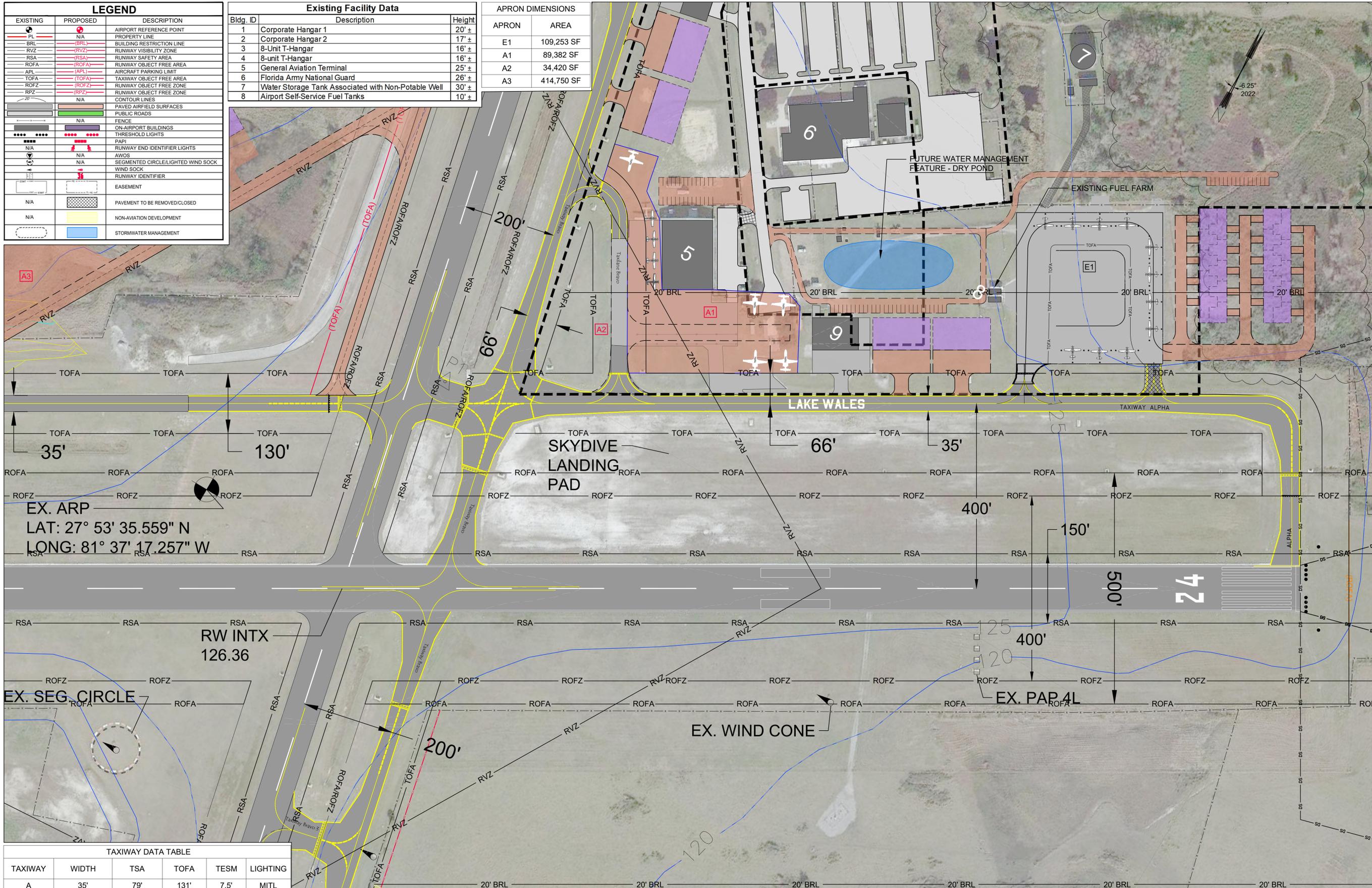


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LEGEND		
EXISTING	PROPOSED	DESCRIPTION
FL	N/A	AIRPORT REFERENCE POINT
BRL	(BRL)	PROPERTY LINE
RVZ	(RVZ)	BUILDING RESTRICTION LINE
RSA	(RSA)	RUNWAY VISIBILITY ZONE
ROFA	(ROFA)	RUNWAY SAFETY AREA
APL	(APL)	RUNWAY OBJECT FREE AREA
TOFA	(TOFA)	AIRCRAFT PARKING LIMIT
ROFZ	(ROFZ)	TAXIWAY OBJECT FREE AREA
RPZ	(RPZ)	RUNWAY OBJECT FREE ZONE
	N/A	RUNWAY IDENTIFIER
	N/A	CONTOUR LINES
	N/A	PAVED AIRFIELD SURFACES
	N/A	PUBLIC ROADS
	N/A	FENCE
	N/A	ON-AIRPORT BUILDINGS
	N/A	THRESHOLD LIGHTS
	N/A	PAPI
	N/A	RUNWAY END IDENTIFIER LIGHTS
	N/A	AWOS
	N/A	SEGMENTED CIRCLE/LIGHTED WIND SOCK
	N/A	WIND SOCK
	N/A	RUNWAY IDENTIFIER
	N/A	EASEMENT
	N/A	PAVEMENT TO BE REMOVED/CLOSED
	N/A	NON-AVIATION DEVELOPMENT
	N/A	STORMWATER MANAGEMENT

Existing Facility Data		
Bldg. ID	Description	Height
1	Corporate Hangar 1	20' ±
2	Corporate Hangar 2	17' ±
3	8-Unit T-Hanger	16' ±
4	8-Unit T-Hanger	16' ±
5	General Aviation Terminal	25' ±
6	Florida Army National Guard	28' ±
7	Water Storage Tank Associated with Non-Potable Well	30' ±
8	Airport Self-Service Fuel Tanks	10' ±

APRON DIMENSIONS	
APRON	AREA
E1	109,253 SF
A1	89,382 SF
A2	34,420 SF
A3	414,750 SF



EX. ARP
 LAT: 27° 53' 35.559" N
 LONG: 81° 37' 17.257" W

RW INTX
 126.36

EX. SEG CIRCLE



TAXIWAY DATA TABLE					
TAXIWAY	WIDTH	TSA	TOFA	TESM	LIGHTING
A	35'	79'	131'	7.5'	MITL
B	35'	79'	131'	7.5'	MITL
B2	35'	79'	131'	7.5'	MITL
B3	65.5'	79'	131'	7.5'	MITL
B4	49.5'	79'	131'	7.5'	MITL



MAGNETIC DECLINATION 6° 25' W
 CHANGING BY 0° 5' W PER YEAR

REV. NO.	DATE	DESCRIPTION

SHEET TITLE
TERMINAL AREA PLAN
 DRAFT

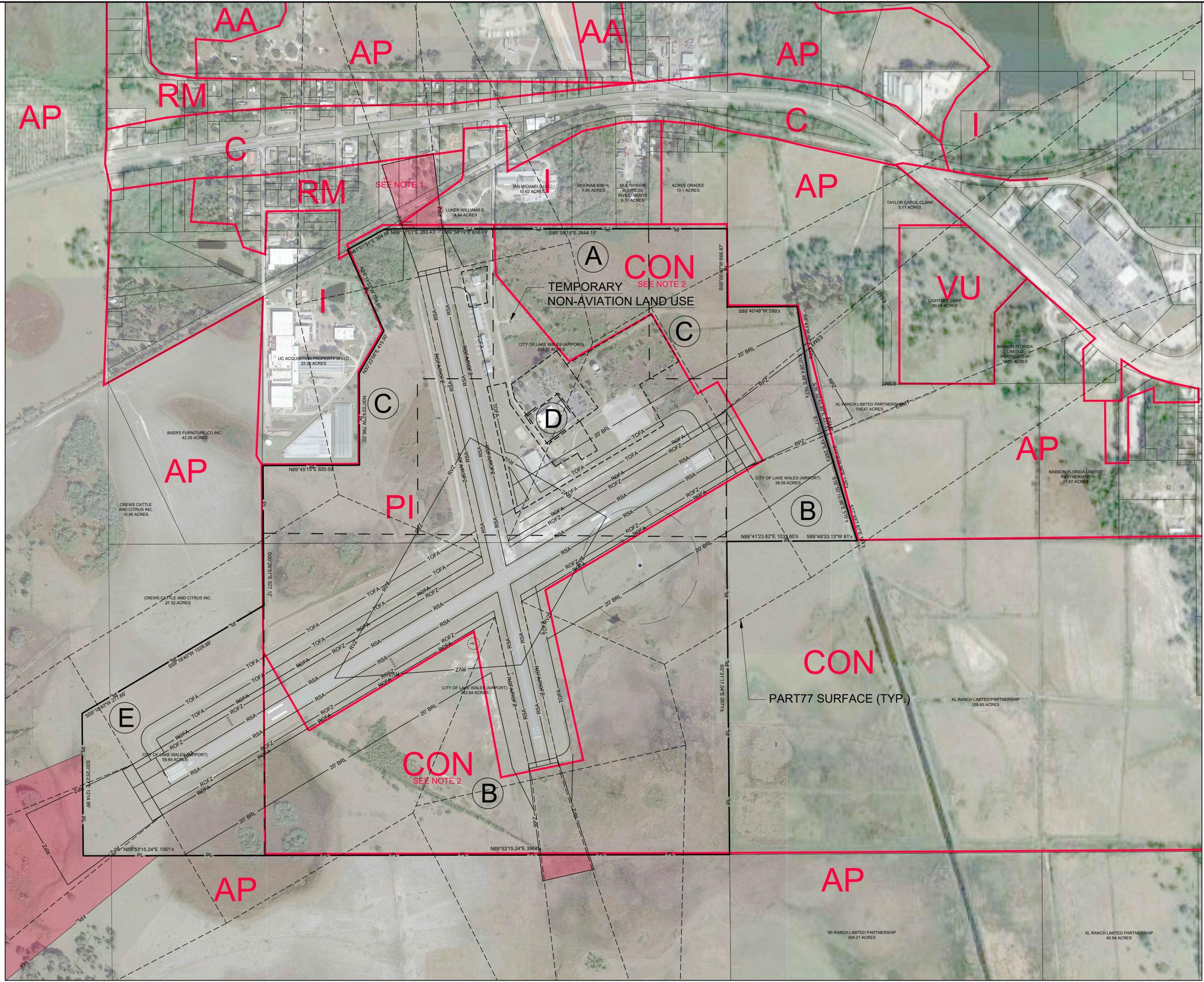
MASTER PLAN UPDATE
 LAKE WALES MUNICIPAL AIRPORT
 POLK COUNTY
 LAKE WALES, FLORIDA



AIP NO.: 3-12-0040-024-2020
 PROJ. NO.: 855731
 DRAWN: JLC
 DESIGN: RJS
 CHECKED: VMI
 DATE: SEP 2023
 SHEET 10 OF 12

Drawing name: C:\V1\PROJECTS\LakeWales-FL\16_855731_00-Airport-Master-Plan\2-CADD\Drawings\855731010_TERM_AREA_PLAN.dwg Sep 12, 2023 8:49am

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LAND USE CODES

- CITY OF LAKE WALES LAND USE CODES**
 PI - PUBLIC AND INSTITUTIONAL
 CON - CONSERVATION
- POLK COUNTY EXISTING LAND USE CODES**
 RM - RESIDENTIAL MEDIUM
 C - COMMERCIAL
 I - INDUSTRIAL
 AP - AGRICULTURAL PASSIVE
 VU - VACANT UNDEVELOPED
 AA - AGRICULTURAL ACTIVE

- NOTES:**
- 1 - THE AREA OF RESIDENTIAL MEDIUM (RM) LAND USE FOUND TO THE NORTH AND NORTHWEST AND CONTIGUOUS TO THE AIRPORT PROPERTY DOES NOT COMPLY WITH FLORIDA STATUTE CHAPTER 333 "AIRPORT ZONING" SECTION 333.03 (2) (d). AVIGATION EASEMENTS HAVE BEEN RECOMMENDED FOR THIS AREA AS SHOWN ON SHEET 13.
 - 2 - THE LAND USE CLASSIFICATION OF "CONSERVATION" COULD BE SEEN TO CONFLICT WITH THE AIRPORT SPONSOR'S GRANT ASSURANCE OBLIGATIONS TO THE FAA IN THAT SUCH A LAND USE CLASSIFICATION COULD POTENTIALLY LIMIT THE OVERALL UTILITY OF AIRPORT LANDS IN WHICH THE FAA HAS A FINANCIAL INTEREST. A RE-CLASSIFICATION OF THESE PROPERTIES TO "PUBLIC AND INSTITUTIONAL" IS RECOMMENDED.

AP NO.:	3-12-0040-024-2020
PROJ. NO.:	855731
DRAWN:	JLC
DESIGN:	RJS
CHECKED:	VMI
DATE:	SEP 2023
BY:	
REV. NO.:	
DATE:	
DESCRIPTION:	

SHEET 11 OF 12

SHEET TITLE

DRAFT

LAND USE MAP

MASTER PLAN UPDATE
LAKE WALES MUNICIPAL AIRPORT
POLK COUNTY
LAKE WALES, FLORIDA

