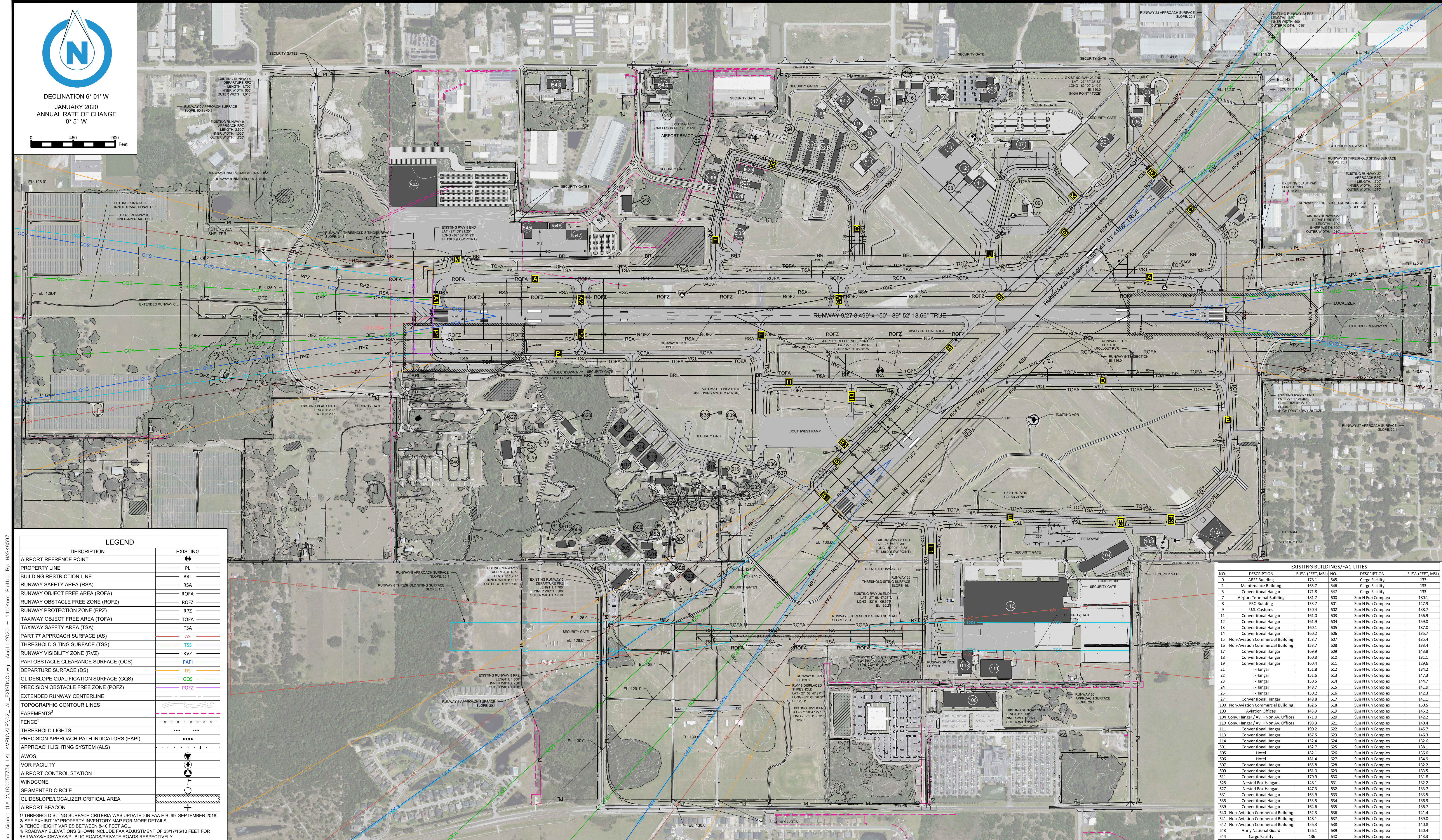




MA:\05_Projects\Lakeland Under Regional Airport (LAL)\10057724_LAL AMPA\AUP\02_LAL EXISTING.dwg Aug 11, 2020 11:04am Plotted By: H458597

LEGEND	
DESCRIPTION	EXISTING
AIRPORT REFERENCE POINT	●
PROPERTY LINE	PL
BUILDING RESTRICTION LINE	BRL
RUNWAY SAFETY AREA (RSA)	RSA
RUNWAY OBJECT FREE AREA (ROFA)	ROFA
RUNWAY OBSTACLE FREE ZONE (ROFZ)	ROFZ
RUNWAY PROTECTION ZONE (RPZ)	RPZ
TAXIWAY OBJECT FREE AREA (TOFA)	TOFA
TAXIWAY SAFETY AREA (TSA)	TSA
PART 77 APPROACH SURFACE (AS)	AS
THRESHOLD SITING SURFACE (TSS)	TSS
RUNWAY VISIBILITY ZONE (RVZ)	RVZ
PAPI OBSTACLE CLEARANCE SURFACE (OCS)	PAPI
DEPARTURE SURFACE (DS)	DS
GLIDESLOPE QUALIFICATION SURFACE (GOS)	GOS
PRECISION OBSTACLE FREE ZONE (POFZ)	POFZ
EXTENDED RUNWAY CENTERLINE	
TOPOGRAPHIC CONTOUR LINES	
EASEMENTS ¹	---
FENCE ²	----
THRESHOLD LIGHTS	***
PRECISION APPROACH PATH INDICATORS (PAPI)	
APPROACH LIGHTING SYSTEM (ALS)	
AWOS	▲
VOR FACILITY	▼
AIRPORT CONTROL STATION	◉
WINDCONE	◐
SEGMENTED CIRCLE	◑
GLIDESLOPE/LOCALIZER CRITICAL AREA	▨
AIRPORT BEACON	◉

1/ THRESHOLD SITING SURFACE CRITERIA WAS UPDATED IN FAA E.B. 99 SEPTEMBER 2018.
2/ SEE EXHIBIT "A" PROPERTY INVENTORY MAP FOR MORE DETAILS.
3/ FENCE HEIGHT VARIES BETWEEN 8-10 FEET AGL.
4/ ROADWAY ELEVATIONS SHOWN INCLUDE FAA ADJUSTMENT OF 23/17/15/10 FEET FOR RAILWAYS/HIGHWAYS/PUBLIC ROADS/PRIVATE ROADS RESPECTIVELY.

EXISTING BUILDINGS/FACILITIES					
NO.	DESCRIPTION	ELEV. (FEET, MSL)	NO.	DESCRIPTION	ELEV. (FEET, MSL)
0	ARF Building	178.1	545	Cargo Facility	133
1	Maintenance Building	165.7	546	Cargo Facility	133
2	Conventional Hangar	171.8	547	Cargo Facility	133
7	Airport Terminal Building	181.7	600	Sun N Fun Complex	180.1
8	FBO Building	153.7	601	Sun N Fun Complex	147.9
9	U.S. Customs	150.4	602	Sun N Fun Complex	138.7
11	Conventional Hangar	161.0	603	Sun N Fun Complex	156.9
12	Conventional Hangar	161.9	604	Sun N Fun Complex	159.0
13	Conventional Hangar	160.1	605	Sun N Fun Complex	137.0
14	Conventional Hangar	160.2	606	Sun N Fun Complex	135.7
15	Non-Aviation Commercial Building	153.7	607	Sun N Fun Complex	135.4
16	Non-Aviation Commercial Building	153.7	608	Sun N Fun Complex	133.4
17	Conventional Hangar	160.9	609	Sun N Fun Complex	143.8
18	Conventional Hangar	160.3	610	Sun N Fun Complex	131.1
19	Conventional Hangar	160.4	611	Sun N Fun Complex	129.6
21	T-Hanger	151.8	612	Sun N Fun Complex	134.2
22	T-Hanger	151.6	613	Sun N Fun Complex	147.3
23	T-Hanger	150.5	614	Sun N Fun Complex	144.7
24	T-Hanger	149.7	615	Sun N Fun Complex	141.9
25	T-Hanger	150.2	616	Sun N Fun Complex	142.3
26	Conventional Hangar	149.8	617	Sun N Fun Complex	141.1
100	Non-Aviation Commercial Building	149.5	618	Sun N Fun Complex	150.5
103	Aviation Offices	145.9	619	Sun N Fun Complex	146.2
104	Conv. Hangar / Av. + Non Av. Offices	171.0	620	Sun N Fun Complex	142.2
105	Conv. Hangar / Av. + Non Av. Offices	198.3	621	Sun N Fun Complex	140.4
111	Conventional Hangar	162.1	622	Sun N Fun Complex	147.7
113	Conventional Hangar	167.5	623	Sun N Fun Complex	146.3
114	Conventional Hangar	152.4	624	Sun N Fun Complex	132.6
120	Conventional Hangar	162.7	625	Sun N Fun Complex	138.1
506	Hotel	182.1	626	Sun N Fun Complex	136.6
507	Hotel	181.4	627	Sun N Fun Complex	134.9
507	Conventional Hangar	165.8	628	Sun N Fun Complex	132.2
509	Conventional Hangar	161.0	629	Sun N Fun Complex	133.5
510	Conventional Hangar	170.9	630	Sun N Fun Complex	131.8
525	Nested Box Hangars	148.1	631	Sun N Fun Complex	132.2
527	Nested Box Hangars	147.3	632	Sun N Fun Complex	133.7
531	Conventional Hangar	163.9	633	Sun N Fun Complex	133.5
533	Conventional Hangar	152.5	634	Sun N Fun Complex	135.9
539	Conventional Hangar	164.6	635	Sun N Fun Complex	136.7
540	Non-Aviation Commercial Building	152.3	636	Sun N Fun Complex	141.4
541	Non-Aviation Commercial Building	148.1	637	Sun N Fun Complex	139.0
542	Non-Aviation Commercial Building	156.3	638	Sun N Fun Complex	140.8
543	Army National Guard	156.1	639	Sun N Fun Complex	150.4
544	Cargo Facility	136	640	Sun N Fun Complex	143.3

REVISIONS	
DATE	DESCRIPTION

CLIENT



Lakeland Linder International Airport

PROJECT

AIRPORT MASTER PLAN UPDATE

LAKELAND LINDER INTERNATIONAL AIRPORT
LAKELAND, FLORIDA

SHEET TITLE

EXISTING CONDITIONS

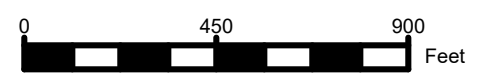


Member of the SNC-Lavalin Group

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JOB NO.: 100057734
DRAWN: KK, CH
DESIGN: KK, CH
CHECKED: GF
DATE: AUGUST 2020

SHEET 2 OF 23



PROPOSED
FEDERAL AVIATION ADMINISTRATION

This approval is subject to review as conditions change and is subject to the limitations contained in our letter

dated September 18, 2020

Marisol C. Elliott

Orlando Airports District Office (ORL-AADO)

MARISOL C. ELLIOTT
MARISOL C. ELLIOTT
203232 0189

THE CONTENTS OF THIS PLAN DO NOT NECESSARILY REFLECT THE OFFICIAL VIEW OR POLICY OF THE FAA. ACCEPTANCE OF THIS DOCUMENT BY THE FAA DOES NOT IN ANY MANNER CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT INITIATED HEREIN NOR DOES IT IMPLICATE THE PROPOSED DEVELOPMENT IN ENVIRONMENTALLY ACCEPTABLE AS ACCORDANCE WITH APPROPRIATE PUBLIC LAWS.

LEGEND			
DESCRIPTION	EXISTING	FUTURE	
AIRPORT REFERENCE POINT			
PROPERTY LINE			
BUILDING RESTRICTION LINE			
RUNWAY SAFETY AREA			N/A
RUNWAY OBSTACLE FREE AREA			N/A
RUNWAY OBSTACLE FREE ZONE			N/A
RUNWAY PROTECTION ZONE			N/A
RUNWAY VISIBILITY ZONE			N/A
TAXIWAY SAFETY AREA			N/A
TAXIWAY OBSTACLE FREE AREA			N/A
Precision Obstacle Free Zone			N/A
APPROACH SURFACE			N/A
THRESHOLD STRIP SURFACE			N/A
DEPARTURE SURFACE			N/A
GLIDESLOPE QUALIFICATION SURFACE			N/A
PAPI OBSTACLE CLEARANCE SURFACE			N/A
EXTENDED RUNWAY CENTERLINE			N/A
TONGUE CONTAINUR LANE			N/A
WATER FEATURES			N/A
PAVED AIRFIELD SURFACES			N/A
PAVED SHOULDER			N/A
PAINTED GREEN ISLANDS			N/A
NON-SERVED EXISTING INFRASTRUCTURE*			N/A
ROAD/PARKING			N/A
FENCE†			N/A
ON AIRPORT BUILDINGS			
FUTURE AERONAUTICAL DEVELOPMENT N/A			
FUTURE NON-AERONAUTICAL DEVELOPMENT			N/A
INFRASTRUCTURE TO BE REMOVED			N/A
THRESHOLD LIGHTS			
PAPI			
AVOIS			
VOR FACILITY			
AIRPORT CONTROL STATION			
RUNWAY IDENTIFIER			
WIDEZONE			
SEGMENTED CIRCLE			
LOCALIZER CRITICAL AREA			N/A
GLIDESLOPE CRITICAL AREA			N/A
EQUIPMENT CRITICAL AREAS			N/A
AIRPORT BEACON			N/A
APPROACH LIGHTING SYSTEM			N/A
PERMITS AND DISCREPANCY SURVEY WHERE COMPLETED PRIOR TO THE DEVELOPMENT OF THIS SHADOE AREA			N/A
IF THERE IS IT IS AGIL WITH SAME STRAINS ON TOP OF PREVIOUS ELEVATIONS AND AS STATED ON APPROVAL OF THE SHADOE AREA			N/A
*ADJACENT ELEVATIONS SHOWN INCLUDE FULL ADJUSTMENT OF 20%TO 15 FEET FOR PAVED SURFACES AND TRANSVERSE ROADS RESPECTIVELY			N/A

FUTURE BUILDINGS/FACILITIES		
NO.	DESCRIPTION	Notes
A	TERMINAL - EXPANSION	~26,600 SQ. FT.
B	GENERAL AVIATION TERMINAL/FBO	~16,300 SQ. FT.
C	CONVENTIONAL HANGAR	~20,000 SQ. FT.
D	CONVENTIONAL HANGAR	~9,375 SQ. FT.
E	CONVENTIONAL HANGAR	~8,100 SQ. FT.
F	CONVENTIONAL HANGAR	~5,625 SQ. FT.
G	T-HANGAR	20 UNITS
H	T-HANGAR - EXPANSION	(+) 4 UNITS
I	CONVENTIONAL HANGAR	~16,200 SQ. FT.
J	CONVENTIONAL HANGAR	~13,875 SQ. FT.
K	FUEL FARM	824,000 GALLONS TOTAL
L	CONVENTIONAL HANGAR	~19,800 SQ. FT.
M	CONVENTIONAL HANGAR	~150,000 SQ. FT.
N	CARGO FACILITY / SUPPORT INFRASTRUCTURE	~287,000 SQ. FT.
P	GRE FACILITY	~47,000 SQ. FT.
Q	AIRPORT MAINTENANCE FACILITY	~30,000 SQ. FT.
R	AIRPORT LIGHTING VAULT	~1,800 SQ. FT.

REVISIONS	
DATE	DESCRIPTION



Fly Lakeland
Lakeland Linder
International Airport

PROJECT

AIRPORT MASTER PLAN UPDATE

LAKELAND LINDER INTERNATIONAL AIRPORT
LAKELAND, FLORIDA

SHEET TITLE

AIRPORT LAYOUT PLAN

ATKINS
Member of the SNC-Lavalin Group

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Suite 700
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www.atkinsglobal.com/northamerica

JOB NO.: 100057734
DRAWN: KK, CH
DESIGN: KK, CH
CHECKED: GF
DATE: AUGUST 2020

SHEET 3 OF 23

\\05-Projects\Lakeland Under Regional Airport (LAL)\10057734 - LAL AMPA\AUP\04_LAL_DATA.dwg Aug11 2020 -- 11:16am Plotted By: HSK6597

AIRPORT DATA TABLE		
ITEM		EXISTING
AIRPORT REFERENCE CODE (ARC)		C-III
MEAN MAX. TEMP OF HOTTEST MONTH		89.6° F / JULY
AIRPORT ELEVATION (MSL)		142.0'
NAVAIDS		ILS / PAPI / GPS / VOR / BEACON / RVR
AIRPORT REFERENCE POINT	LATITUDE	27° 59' 15.49" N
	LONGITUDE	082° 01' 08.38" W
MISC. FACILITIES		SEGMENTED CIRCLE / LIGHTED WIND CONE / AWOS
CRITICAL AIRCRAFT		BOEING 737-700
WINGSPAN		112' 7"
MAIN GEAR WIDTH/COCKPIT TO MAIN GEAR		18' 9" / 41' 4"
APPROACH SPEED		130 KTS
MAGNETIC VARIATION (DEC 2019)		6° 0'
NPIAS SERVICE LEVEL		RELIEVERNATIONAL
STATE EQUIVALENT SERVICE LEVEL		RELIEVER
CBP SERVICE LEVEL		USER FEE AIRPORT

NOTE:
1/ SOURCE: WWW.NGDC.NOAA.GOV

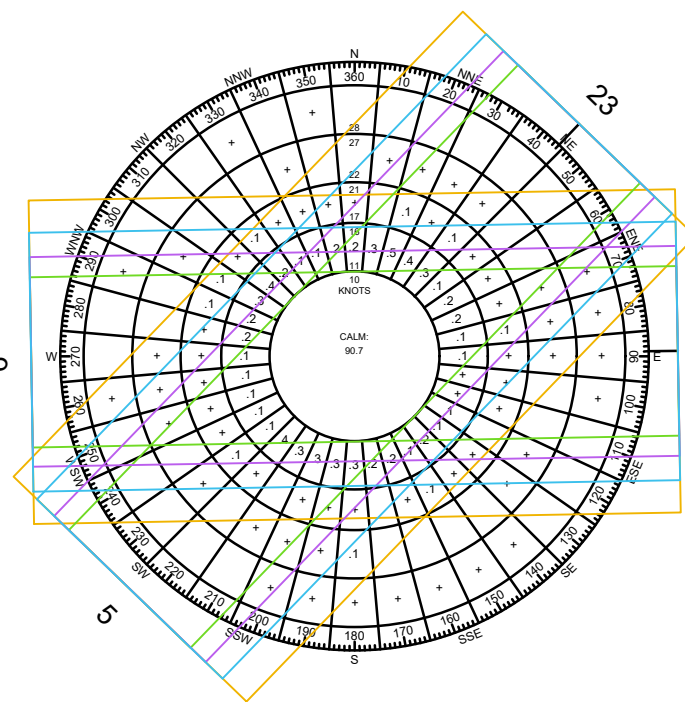
DECLARED DISTANCES - EXISTING				
	TODA	TORA	LDA	ASDA
RUNWAY 9	8,499'	8,499'	8,414'	8,414'
RUNWAY 27	8,499'	8,499'	8,499'	8,499'
RUNWAY 5	5,005'	5,005'	5,005'	5,005'
RUNWAY 23	5,005'	5,005'	5,005'	5,005'
RUNWAY 8	2,010'	1,650'	1,845'	2,205'
RUNWAY 26	2,205'	1,845'	1,650'	2,205'
DECLARED DISTANCES - PROPOSED				
	TODA	TORA	LDA	ASDA
RUNWAY 10L	10,000'	10,000'	9,915'	9,915'
RUNWAY 28R	10,000'	10,000'	10,000'	10,000'
RUNWAY 10R	7,400'	7,400'	7,400'	7,400'
RUNWAY 28L	7,400'	7,400'	7,400'	7,400'
RUNWAY 9	SAME	SAME	SAME	SAME
RUNWAY 27	SAME	SAME	SAME	SAME

EXISTING TAXIWAY/TAXILANE DATA														
TAXIWAY / TAXILANE	A	B	C	D	E	F	G	H	J	K	P	E1	E2	M
	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX
TAXIWAY DESIGN GROUP	4	3/5	5	3	3	3	3	2/3	4	4	3	3	2	5
TAXIWAY & TAXILANE WIDTH	75'	50'/75'	75'	60'	50'	50'	50'	35'/50'	75'	75'	50'	50'	35'	75'
TAXIWAY EDGE SAFETY MARGIN	10'	10'/15'	15'	10'	10'	10'	10'	10'	10'	10'	10'	10'	7.5'	15'
TAXIWAY SHOULDER WIDTH	30'	N/A	30'	20'	20'	20'	20'	20'	20'	20'	20'	20'	10'	30'
AIRPLANE DESIGN GROUP	IV	III	III	III	III	III	III	II	III	III	III	III	III	IV
TAXIWAY & TAXILANE SAFETY AREA WIDTH	171'	118'	118'	118'	118'	118'	118'	79'	118'	118'	118'	118'	118'	171'
TAXIWAY OBJECT FREE AREA	259'	186'	186'	186'	186'	186'	N/A	N/A	186'	186'	186'	186'	186'	259'
TAXILANE OBJECT FREE AREA	N/A	N/A	N/A	N/A	N/A	N/A	162'	115'	N/A	N/A	N/A	N/A	N/A	N/A
TAXIWAY TO TAXIWAY / TAXILANE SEPARATION	215'	152'	152'	152'	152'	152'	152'	105'	152'	152'	152'	152'	152'	215'
TAXIWAY / TAXILANE LIGHTING	MITL	MITL	MITL	MITL	N/A	N/A	MITL	MITL	MITL	MITL	N/A	N/A	N/A	MITL

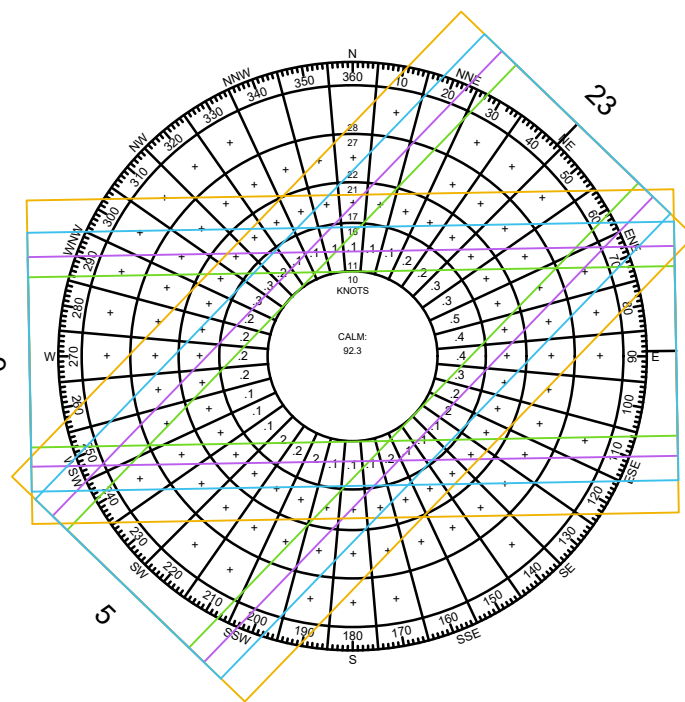
RUNWAY DATA								
ITEM	RUNWAY 9 / 27		RUNWAY 10L / 28R		RUNWAY 5 / 23		RUNWAY 8 / 26	
	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED ⁴
DESIGN AIRCRAFT	BOEING 737-700	BOEING 767-300F	BOEING 737-700	N/A	CESSNA 172	SAME	N/A	TBD
RUNWAY DESIGN CODE (RDC)	C-II	C-IV	C-III	N/A	A-I-VIS	SAME	N/A	C-III
RUNWAY APPROACH REFERENCE CODE (APRC)	C-III-2400	C-IV-1600	C-III-4000	N/A	N/A	SAME	N/A	C-III-4000
RUNWAY DEPARTURE REFERENCE CODE (DPRC)	C-II	C-IV	C-III	N/A	N/A	SAME	N/A	TBD
PAVEMENT STRENGTH	SINGLE WHEEL	50,000	SAME	94,000	N/A	SAME	N/A	TBD
	DUAL WHEEL	250,000	SAME	150,000	N/A	SAME	N/A	TBD
	2D WHEELS IN TANDEM	550,000	SAME	N/A	N/A	SAME	N/A	TBD
	2D WHEELS IN DOUBLE TANDEM	1,120,000	SAME	N/A	N/A	SAME	N/A	TBD
	PCN	79/F/A/X/T	SAME	35/F/A/X/T	N/A	SAME	N/A	TBD
RUNWAY SURFACE TYPE	ASPHALT	SAME	ASPHALT	N/A	TURF	SAME	N/A	ASPHALT
RUNWAY SURFACE TREATMENT	GROOVED	SAME	GROOVED	N/A	NONE	SAME	N/A	GROOVED
% EFFECTIVE GRADIENT ¹	0.10%	SAME	0.10%	N/A	0.1%	SAME	N/A	TBD
% MAXIMUM GRADIENT	2.00%	SAME	2.00%	N/A	2.00%	SAME	N/A	2.00%
% WIND COVERAGE (ALL)	10.5 KNOTS	97.22%	SAME	96.97%	N/A	97.22%	SAME	97.22%
	13.0 KNOTS	98.57%	SAME	98.43%	N/A	98.57%	SAME	98.57%
	16.0 KNOTS	99.65%	SAME	99.61%	N/A	99.65%	SAME	99.65%
	18.0 KNOTS	99.89%	SAME	99.89%	N/A	99.89%	SAME	99.89%
	20.0 KNOTS	99.89%	SAME	99.89%	N/A	99.89%	SAME	99.89%
RUNWAY LENGTH	8,499'	10,000'	5,005'	N/A	2,205'	SAME	N/A	7,400'
RUNWAY WIDTH	150'	SAME	150'	N/A	60'	SAME	N/A	150'
BLAST PAD LENGTH	200' / 200'	SAME	N/A	N/A	N/A	SAME	N/A	N/A
BLAST PAD WIDTH	200' / 200'	SAME	N/A	N/A	N/A	SAME	N/A	N/A
DISPATCH THRESHOLD	N/A	SAME	N/A	N/A	360' / 555'	SAME	N/A	N/A
THRESHOLD ELEVATION	130.0' / 140.1'	133.7' / SAME	130.0' / 140.0'	N/A	130' / 130.5'	SAME	N/A	129.0' / 132.0'
RUNWAY SAFETY AREA	BEYOND RUNWAY END	1,000'	SAME	1,000'	N/A	SAME	N/A	1,000'
	WIDTH	500'	SAME	500'	N/A	SAME	N/A	500'
RUNWAY END COORDINATES (NAD 1983)	LATITUDE	27° 59' 21.25" N / 27° 59' 21.46" N	27° 59' 21.22" N / 27° 59' 21.46" N	27° 59' 00.39" N / 27° 59' 35.52" N	N/A	27° 58' 47.27" N / 27° 58' 47.27" N	SAME	27° 59' 12.05" N / 27° 59' 12.23" N
	LONGITUDE	082° 02' 01.93" W / 082° 00' 27.12" W	082° 02' 16.69" W / 082° 00' 27.12" W	082° 01' 13.38" W / 082° 00' 34.01" W	N/A	82° 01' 30.31" W / 82° 01' 05.59" W	SAME	082° 02' 01.95" W / 082° 00' 39.40" W
ELEVATIONS OF RUNWAY END (NAVD88)	130.0' / 140.1'	133.7' / SAME	130.0' / 140.0'	N/A	126.0' / 130.2'	SAME	N/A	129.0' / 132.0' (STC) ³
RUNWAY LIGHTING	HIRL	SAME	HIRL	N/A	N/A	SAME	N/A	MIRL
RUNWAY PROTECTION ZONE	LENGTH	2,500' / 1,700'	SAME	1,700'	N/A	1,700'	SAME	1,700'
	INNER WIDTH	1,000'	SAME	1,000' / 500'	N/A	250'	SAME	1,000'
	OUTER WIDTH	1,750' / 1,510'	SAME	1,510' / 1,010'	N/A	450'	SAME	1,510'
MARKINGS	PRECISION / NON-PRECISION	SAME	PRECISION / NON-PRECISION	N/A	NONE	SAME	N/A	NON-PRECISION
PART 77 APPROACH CATEGORY (SLOPE)	50:1 & 40:1 / 34:1	SAME	34:1	N/A	20:1	SAME	N/A	34:1
FAR PART 77 APPROACH TYPE	PRECISION / NON-PRECISION	SAME	NON-PRECISION	N/A	VISUAL	SAME	N/A	NON-PRECISION
APPROACH VISIBILITY MINIMUMS	1/2 MILE / 3/4 MILE	< 1/4 MILE	> 3/4 MILE	N/A	VISUAL	SAME	N/A	> 3/4 MILE
AERONAUTICAL SURVEY REQUIRED FOR APPROACH	NVGS	SAME	NVGS	N/A	NONE	SAME	N/A	NVGS
RUNWAY DEPARTURE SURFACE	YES	SAME	YES	N/A	N/A	SAME	N/A	YES
RUNWAY OFA	BEYOND RUNWAY END	1,000'	SAME	1,000'	N/A	240'	SAME	1,000'
	WIDTH	800'	SAME	800'	N/A	250'	SAME	800'
RUNWAY OFZ	BEYOND RUNWAY END	200'	SAME	200'	N/A	200'	SAME	200'
	WIDTH	400'	SAME	400'	N/A	120'	SAME	400'
INNER APPROACH OFZ	YES / NO	SAME	NO / NO	N/A	N/A	SAME	N/A	NO / NO
INNER TRANSITIONAL OFZ	YES / NO	SAME	NO / NO	N/A	N/A	SAME	N/A	NO / NO
PRECISION OFZ	YES / NO	SAME	NO / NO	N/A	N/A	SAME	N/A	NO / NO
THRESHOLD SITING SURFACE ²	RUNWAY TYPE 5	SAME	RUNWAY TYPE 4	N/A	RUNWAY TYPE 1	SAME	N/A	RUNWAY TYPE 4
NAVIGATIONAL AIDS	GPS+VOR+ILS / GPS+VOR	+RVR	GPS	N/A	N/A	SAME	N/A	GPS
VISUAL AIDS	MALSR + PAPI-4L / PAPI-4L	ALSF-2 + PAPI-4L / SAME	PAPI-4L	N/A	N/A	SAME	N/A	PAPI-4L
TOUCHDOWN ZONE ELEVATION (TDZE)	133.6' / 140.1'	133.7' / SAME	136.0' / 140.0'	N/A	129.9' / 132.0'	SAME	N/A	TBD
VERTICAL & HORIZONTAL DATUM	NAVD88 / NAD83 EAST FL	SAME	NAVD88 / NAD83 EAST FL	N/A	NAVD88 / NAD83 EAST FL	SAME	N/A	NAVD88 / NAD83 EAST FL

NOTES:
1/ ALL RUNWAYS MEET LINE-OF-SIGHT REQUIREMENTS.
2/ ALL LATITUDE AND LONGITUDE COORDINATES ARE DEPICTED IN NAD83 AND NAVD88 COORDINATE SYSTEMS. VERTICAL CONTROL DATUM IS DEPICTED IN NAVD88.
3/ SEE INNER APPROACH SHEETS FOR TSS PENETRATIONS. TSS DIMENSIONAL STANDARDS WERE UPDATED BY FAA ENGINEERING BRIEF NO 99 IN SEPTEMBER 2018.
4/ PROPOSED RUNWAY ATTRIBUTES SUBJECT TO CHANGE
5/ TO BE DETERMINED

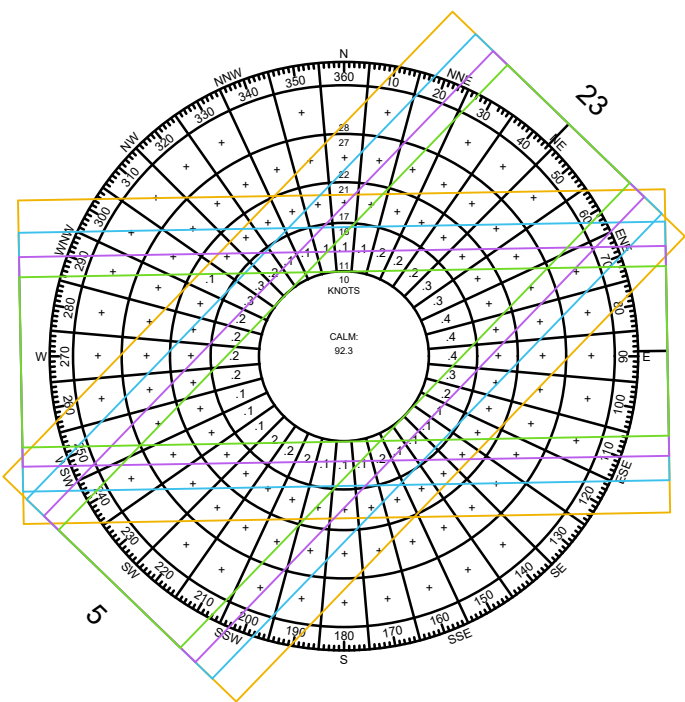
IFR WIND COVERAGE



VFR WIND COVERAGE



ALL WEATHER WIND COVERAGE



CROSSWIND COMPONENT	RUNWAY 9/27	RUNWAY 5/23	COMBINED COVERAGE
10.5 KTS	94.94%	96.11%	98.14%
13 KTS	97.18%	97.69%	99.16%
16 KTS	99.11%	99.05%	99.66%
20 KTS	99.58%	99.66%	99.87%

CROSSWIND COMPONENT	RUNWAY 9/27	RUNWAY 5/23	COMBINED COVERAGE
10.5 KTS	97.47%	96.83%	98.94%
13 KTS	98.75%	98.38%	99.63%
16 KTS	99.72%	99.62%	99.92%
20 KTS	99.92%	99.90%	99.98%

CROSSWIND COMPONENT	RUNWAY 9/27	RUNWAY 5/23	COMBINED COVERAGE
10.5 KTS	97.22%	96.97%	98.89%
13 KTS	98.57%	98.43%	99.60%
16 KTS	99.65%	99.61%	99.90%
20 KTS	99.89%	99.89%	99.97%

NOTES:
1/ WIND DATA DERIVED FROM NOAA'S INTEGRATED SURFACE DATABASE (ISD); COVERING YEARS 2010 - 2019.
2/ WIND ANALYSIS COMPLETED JANUARY 2020.
3/ RUNWAY TRUE ORIENTATION USED FOR ANALYSIS, SEE A/C 150/5300-13A, FIGURE A-24.

MODIFICATIONS TO STANDARDS			
APPROVAL DATE	AIRSPACE CASE	STANDARD TO BE MODIFIED	DESCRIPTION
TBD	NO	RUNWAY 5/23 ROFA	ACCESS ROADS WITHIN ROFA BOUNDARY BEYOND RUNWAY 5 END AND RUNWAY 23 END
TBD	TBD	TBD	TBD
TBD	TBD	TBD	TBD

REVISIONS	
DATE	DESCRIPTION

CLIENT

The logo for FlyLakeland, featuring the word "Fly" in a stylized font with a bird-like shape, followed by "Lakeland" in a serif font, and "Lakeland Linder International Airport" in a smaller font below it.

PROJECT

AIRPORT MASTER PLAN UPDATE

LAKELAND LINDER INTERNATIONAL AIRPORT

LAKELAND, FLORIDA

SHEET TITLE

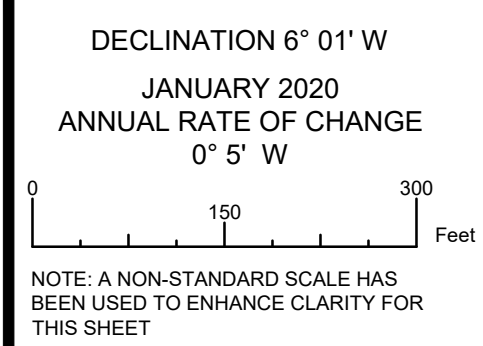
DATA SHEET

The logo for Atkins, featuring the word "ATKINS" in a large, bold, sans-serif font, with "Member of the SNC-Lavalin Group" in a smaller font below it.

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www.atkinsglobal.com/northamerica

JOB NO.: 100057734
DRAWN: KK, CH
DESIGN: KK, CH
CHECKED: GF
DATE: AUGUST 2020

SHEET 4 OF 23



FUTURE BUILDINGS/FACILITIES		
NO.	DESCRIPTION	Notes
A	TERMINAL - EXPANSION	~26,600 SQ. FT.
B	GENERAL AVIATION TERMINAL/FBO	~16,300 SQ. FT.
C	CONVENTIONAL HANGAR	~20,000 SQ. FT.
D	CONVENTIONAL HANGAR	~9,375 SQ. FT.
E	CONVENTIONAL HANGAR	~8,100 SQ. FT.
F	CONVENTIONAL HANGAR	~5,625 SQ. FT.
G	T-HANGAR	20 UNITS
H	T-HANGAR - EXPANSION	(+) 4 UNITS
I	CONVENTIONAL HANGAR	~16,200 SQ. FT.
J	CONVENTIONAL HANGAR	~13,875 SQ. FT.
K	FUEL FARM	824,000 GALLONS TOTAL
L	CONVENTIONAL HANGAR	~19,800 SQ. FT.
M	CONVENTIONAL HANGAR	~150,000 SQ. FT.
N	CARGO FACILITY / SUPPORT INFRASTRUCTURE	~287,000 SQ. FT.
P	GRE FACILITY	~47,000 SQ. FT.
Q	AIRPORT MAINTENANCE FACILITY	~30,000 SQ. FT.

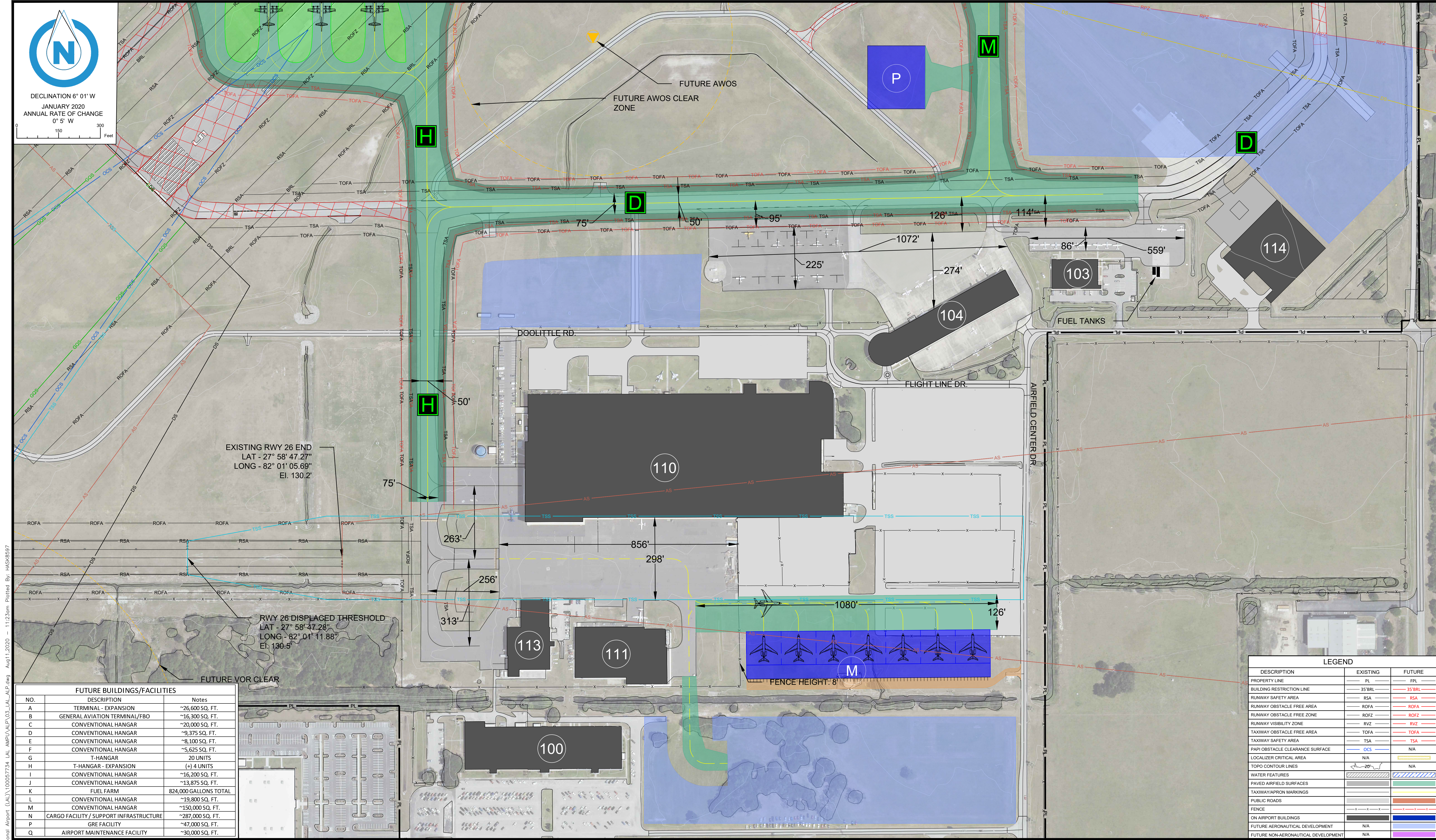
CLIENT

FlyLakeland
Lakeland Linder
International Airport

SHEET TITLE

TERMINAL LAYOUT PLAN
NORTH

 Member of the SNC-Lavalin Group 4030 West Boy Scout Blvd. Suite 700 Tampa, Florida 33607 www.atkinsglobal.com/northamerica	JOB NO.: <u>100057734</u> DRAWN: <u>KK, CH</u> DESIGN: <u>KK, CH</u> CHECKED: <u>GF</u> DATE: <u>AUGUST 2020</u>
	SHEET <u>5</u> OF <u>23</u>



MA\05_Projects\Lakeland Linder International Airport Under Regional Airport (AAU) 100057734 LAL AMP\A\MP\03_LAL ALP.dwg Aug 11, 2020 11:23am Plotted By: HUSK6597

FUTURE BUILDINGS/FACILITIES		
NO.	DESCRIPTION	Notes
A	TERMINAL - EXPANSION	~26,600 SQ. FT.
B	GENERAL AVIATION TERMINAL/FBO	~16,300 SQ. FT.
C	CONVENTIONAL HANGAR	~20,000 SQ. FT.
D	CONVENTIONAL HANGAR	~9,375 SQ. FT.
E	CONVENTIONAL HANGAR	~8,100 SQ. FT.
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G	T-HANGAR	20 UNITS
H	T-HANGAR - EXPANSION	(+) 4 UNITS
I	CONVENTIONAL HANGAR	~16,200 SQ. FT.
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K	FUEL FARM	824,000 GALLONS TOTAL
L	CONVENTIONAL HANGAR	~19,800 SQ. FT.
M	CONVENTIONAL HANGAR	~150,000 SQ. FT.
N	CARGO FACILITY / SUPPORT INFRASTRUCTURE	~287,000 SQ. FT.
P	GRE FACILITY	~47,000 SQ. FT.
Q	AIRPORT MAINTENANCE FACILITY	~30,000 SQ. FT.

LEGEND		
DESCRIPTION	EXISTING	FUTURE
PROPERTY LINE	PL	FPL
BUILDING RESTRICTION LINE	35' BRL	35' BRL
RUNWAY SAFETY AREA	RSA	RSA
RUNWAY OBSTACLE FREE AREA	ROFA	ROFA
RUNWAY OBSTACLE FREE ZONE	ROFZ	ROFZ
RUNWAY VISIBILITY ZONE	RVZ	RVZ
TAXIWAY OBSTACLE FREE AREA	TOFA	TOFA
TAXIWAY SAFETY AREA	TSA	TSA
PAPI OBSTACLE CLEARANCE SURFACE	OCS	N/A
LOCALIZER CRITICAL AREA	N/A	N/A
TOPO CONTOUR LINES	N/A	N/A
WATER FEATURES	N/A	N/A
PAVED AIRFIELD SURFACES	N/A	N/A
TAXIWAY/APRON MARKINGS	N/A	N/A
PUBLIC ROADS	N/A	N/A
FENCE	N/A	N/A
ON AIRPORT BUILDINGS	N/A	N/A
FUTURE AERONAUTICAL DEVELOPMENT	N/A	N/A
FUTURE NON-AERONAUTICAL DEVELOPMENT	N/A	N/A

REVISIONS	
DATE	DESCRIPTION

CLIENT



Lakeland Linder International Airport

PROJECT

AIRPORT MASTER PLAN UPDATE

LAKELAND LINDER INTERNATIONAL AIRPORT

LAKELAND, FLORIDA

SHEET TITLE

TERMINAL LAYOUT PLAN

SOUTH



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Suite 700

Tampa, Florida 33607

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JOB NO.: 100057734

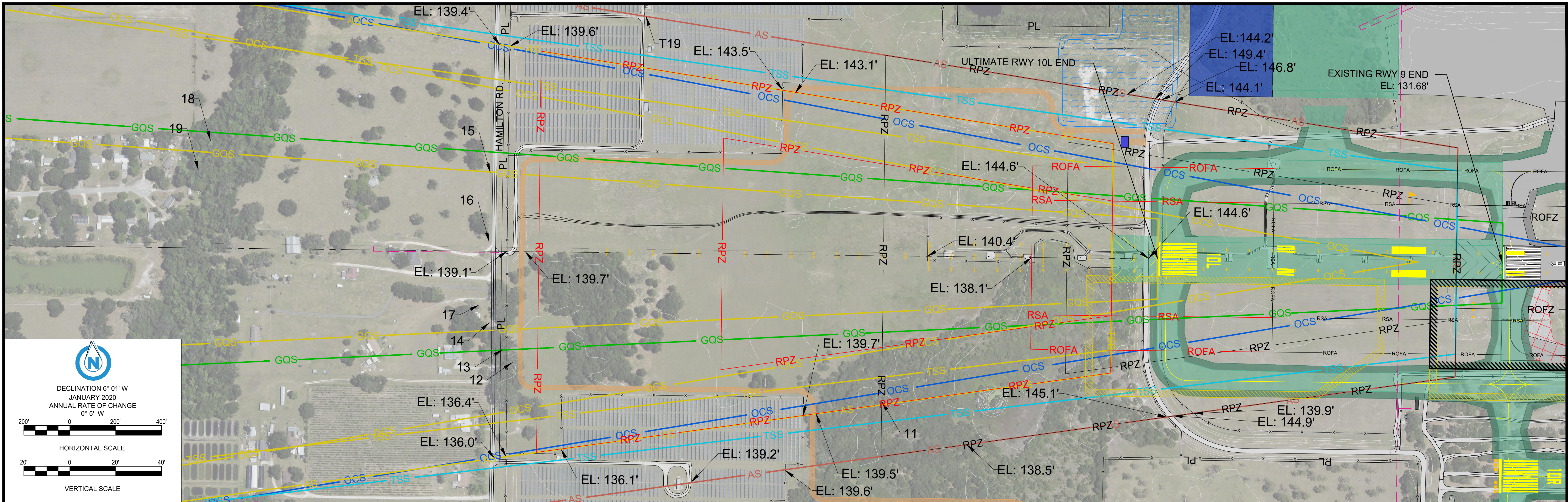
DRAWN: KK, CH

DESIGN: KK, CH

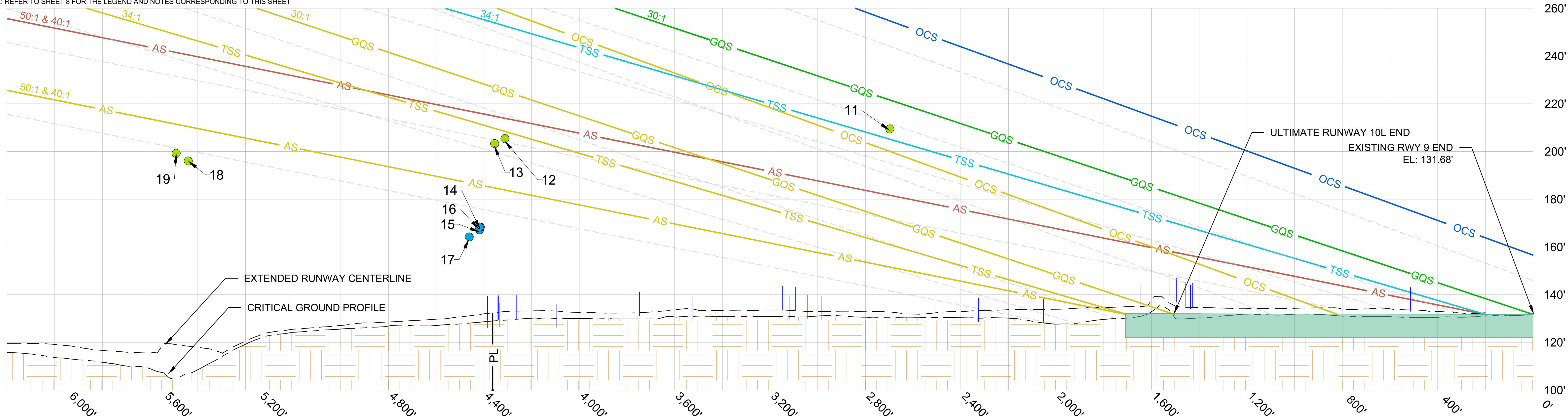
CHECKED: GF

DATE: AUGUST 2020

SHEET 6 OF 23



NOTE: REFER TO SHEET 8 FOR THE LEGEND AND NOTES CORRESPONDING TO THIS SHEET



REVISIONS	
DATE	DESCRIPTION

CLIENT

FlyLakeland
Lakeland Linder International Airport

PROJECT

AIRPORT MASTER PLAN UPDATE
LAKELAND LINDER INTERNATIONAL AIRPORT
LAKELAND, FLORIDA

SHEET TITLE

INNER-APPROACH
PLAN & PROFILE
RUNWAY 9
(ULTIMATE RUNWAY 10L)

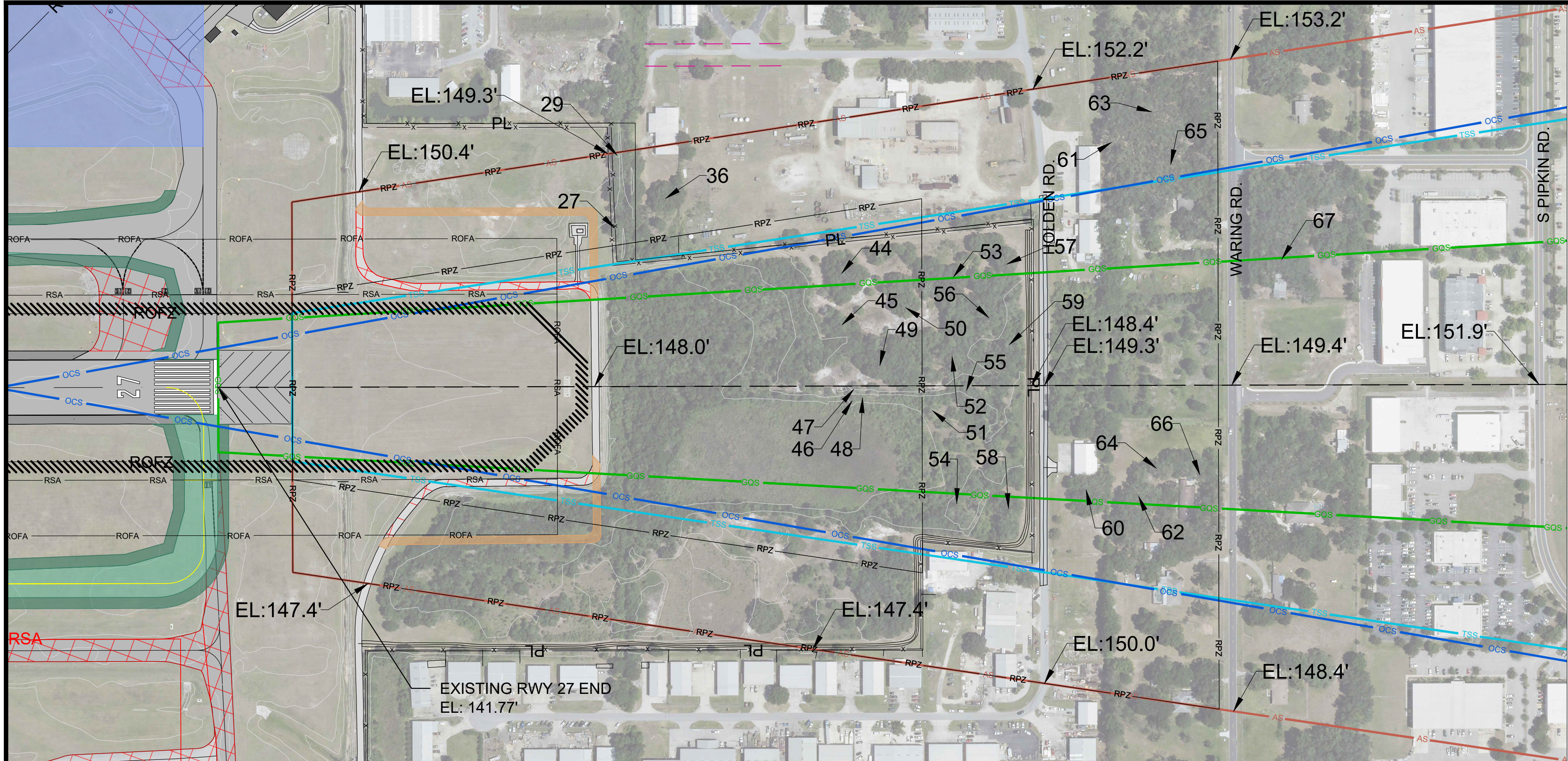
ATKINS
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Suite 700
Tampa, Florida 33607
www.atkinsglobal.com/northamerica

JOB NO.: 100057734
DRAWN: KK, CH
DESIGN: KK, CH
CHECKED: GF
DATE: AUGUST 2020

SHEET 7 OF 23

MA-05-Projects\Lakeland Linder International Airport Under Regional Airport (LAL) 100057734 LAL AMPA\AUP\07-09 LAL AMPA.dwg Aug 11, 2020 11:28am Plotted By: HSK8597



DECLINATION 6° 01' W
JANUARY 2020
ANNUAL RATE OF CHANGE
0° 5' W



HORIZONTAL SCALE



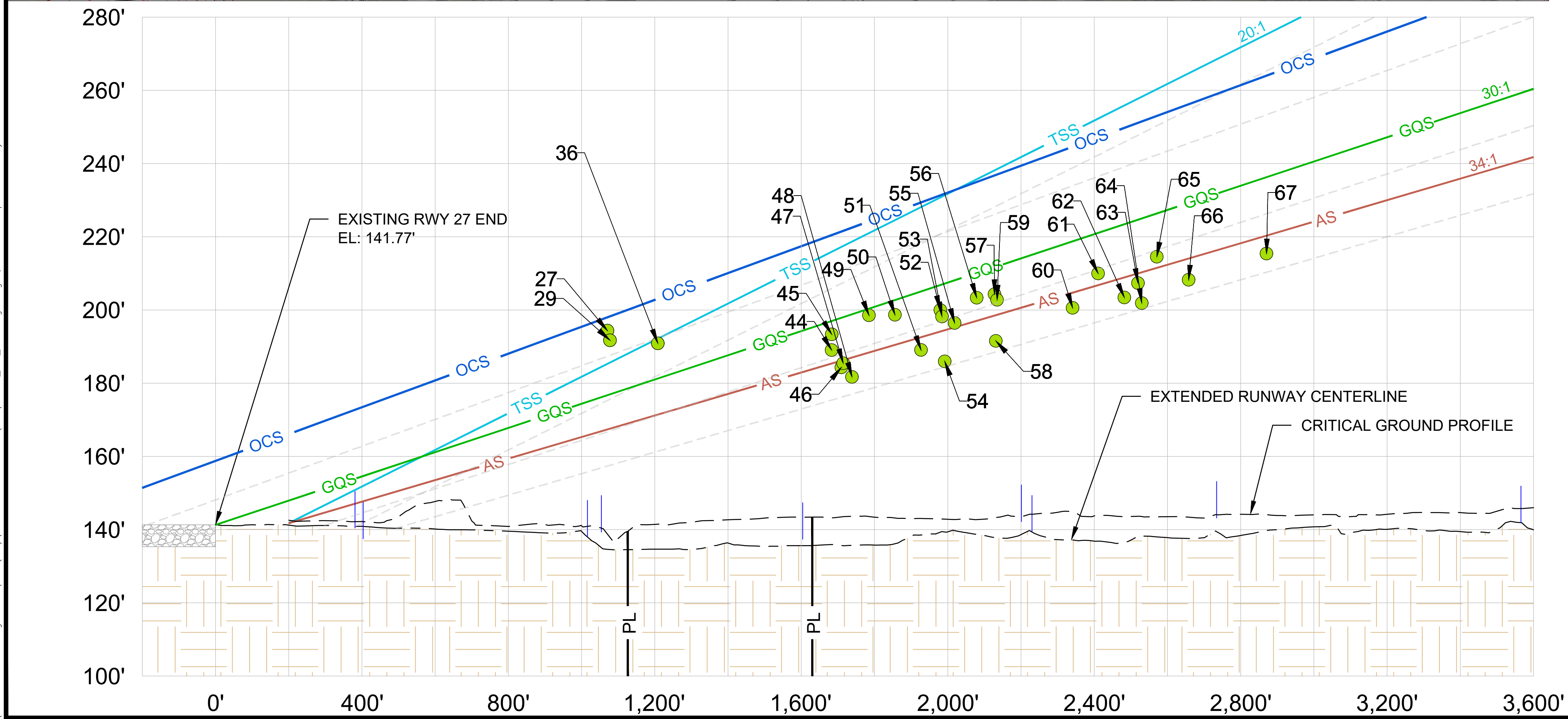
VERTICAL SCALE

LEGEND		
EXISTING	PROPOSED	DESCRIPTION
AS	AS	APPROACH SURFACE
TSS	TSS	THRESHOLD SITING SURFACE
GQS	GQS	GLIDESLOPE QUALIFICATION SURFACE
OCS	OCS	PAPI OBSTACLE CLEARANCE SURFACE
		10 FOOT OFFSET OF AIRSPACE SURFACES
RSA	RSA	RUNWAY SAFETY AREA
ROFA	ROFA	RUNWAY OBSTACLE FREE AREA
ROFZ	ROFZ	RUNWAY OBSTACLE FREE ZONE
RPZ	RPZ	RUNWAY PROTECTION ZONE
		NAVAID CRITICAL AREA
PL	PL	PROPERTY LINE
X	NA	FENCE
	NA	EASEMENTS
		APPROACH LIGHTING SYSTEM
NA	NA	PAPI
	NA	EXTENDED RUNWAY CENTERLINE
		RUNWAY
	NA	EXTENDED CENTERLINE GROUND PROFILE
NA		AIRFIELD PAVEMENT
NA		AIRPORT ACCESS ROAD
NA		PAVEMENT TO BE REMOVED
	NA	CRITICAL GROUND PROFILE
	NA	VEGETATION OBSTACLES
	NA	OTHER OBSTACLES
	NA	TRAVERSEWAY AND FENCE INTERSECTIONS

RUNWAY 27 SIGNIFICANT OBJECT TABLE									
OBJECT ID	DESCRIPTION	SURVEY DATE	EXISTING PART 77 APPROACH SURFACE PENETRATION	EXISTING 34:1 THRESHOLD SITING SURFACE PENETRATION	EXISTING 30:1 GLIDESLOPE QUALIFICATION SURFACE PENETRATION	OBJECT ELEVATION (MSL)	OBJECT ELEVATION (AGL)	TRIGGERING EVENT	PROPOSED DISPOSITION
27	TREE	2/12/2019	22.71	N/A	N/A	194.16	57.77	NONE	REMOVE/TRIM
29	TREE	2/12/2019	19.09	19.09	8.34	191.51	54.84	NONE	REMOVE/TRIM
36	TREE	2/12/2019	4.95	4.95	-78.77	190.36	55.19	NONE	REMOVE/TRIM
44	TREE	2/12/2019	-2.41	-2.41	-16.06	191.75	55.38	NONE	REMOVE/TRIM
45	TREE	2/12/2019	-7.42	-7.42	-108.16	186.87	47.03	NONE	REMOVE/TRIM
46	TREE	2/12/2019	-5.78	-5.78	-106.92	188.72	47.50	NONE	REMOVE/TRIM
47	TREE	2/12/2019	-2.29	-2.29	-16.10	193.01	52.85	NONE	REMOVE/TRIM
48	TREE	2/12/2019	-13.11	-13.11	-27.15	183.97	48.67	NONE	REMOVE/TRIM
49	TREE	2/12/2019	-13.41	-13.41	-122.25	185.10	49.60	NONE	REMOVE/TRIM
50	TREE	2/12/2019	-17.24	-17.24	-126.26	181.37	46.00	NONE	REMOVE/TRIM
51	TREE	2/12/2019	-0.52	-0.52	-14.78	198.19	61.64	NONE	REMOVE/TRIM
52	TREE	2/12/2019	-6.46	-6.46	-21.53	198.32	56.87	NONE	REMOVE/TRIM
53	TREE	2/12/2019	-18.16	N/A	N/A	188.68	52.46	NONE	REMOVE/TRIM
54	TREE	2/12/2019	-9.36	-9.36	-24.99	199.58	60.30	NONE	REMOVE/TRIM
55	TREE	2/12/2019	-12.23	N/A	N/A	197.81	57.02	NONE	REMOVE/TRIM
56	TREE	2/12/2019	-24.78	-24.78	-40.59	185.56	46.31	NONE	REMOVE/TRIM
57	TREE	2/12/2019	-15.51	N/A	N/A	196.04	56.44	NONE	REMOVE/TRIM
58	TREE	2/12/2019	-11.20	-11.20	-149.96	202.91	63.15	NONE	REMOVE/TRIM
59	TREE	2/12/2019	-16.50	-16.50	-33.64	203.87	63.25	NONE	REMOVE/TRIM
60	TREE	2/12/2019	191.12	191.12	191.12	191.12	51.76	NONE	REMOVE/TRIM
61	TREE	2/12/2019	202.36	202.36	202.36	202.36	64.20	NONE	REMOVE/TRIM
62	TREE	2/12/2019	200.11	200.11	200.11	200.11	60.16	NONE	REMOVE/TRIM
63	TREE	2/12/2019	209.47	209.47	209.47	209.47	66.95	NONE	REMOVE/TRIM
64	TREE	2/12/2019	202.89	202.89	202.89	202.89	63.48	NONE	REMOVE/TRIM
65	TREE	2/12/2019	206.82	206.82	206.82	206.82	64.95	NONE	REMOVE/TRIM
66	TREE	2/12/2019	201.37	201.37	201.37	201.37	62.81	NONE	REMOVE/TRIM
67	TREE	2/12/2019	214.01	214.01	214.01	214.01	72.46	NONE	REMOVE/TRIM
68	TREE	2/12/2019	207.69	207.69	207.69	207.69	67.98	NONE	REMOVE/TRIM
69	TREE	2/12/2019	214.80	214.80	214.80	214.80	72.97	NONE	REMOVE/TRIM

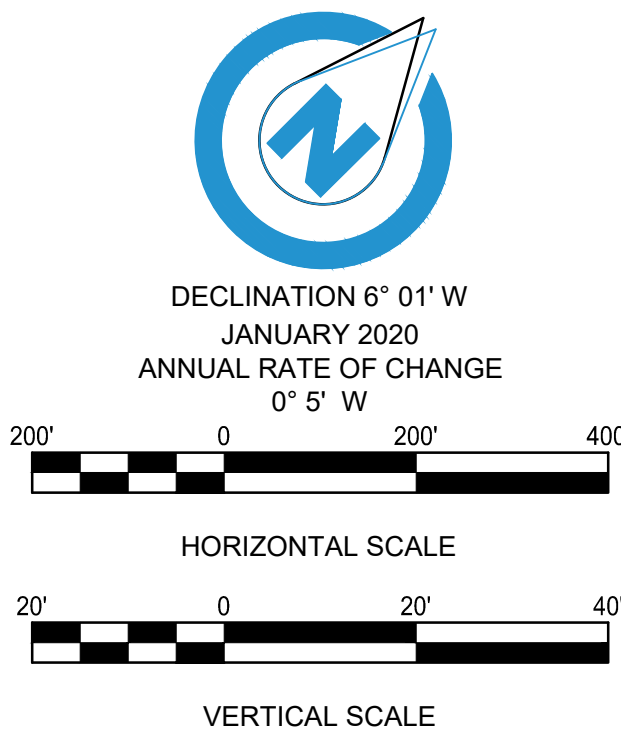
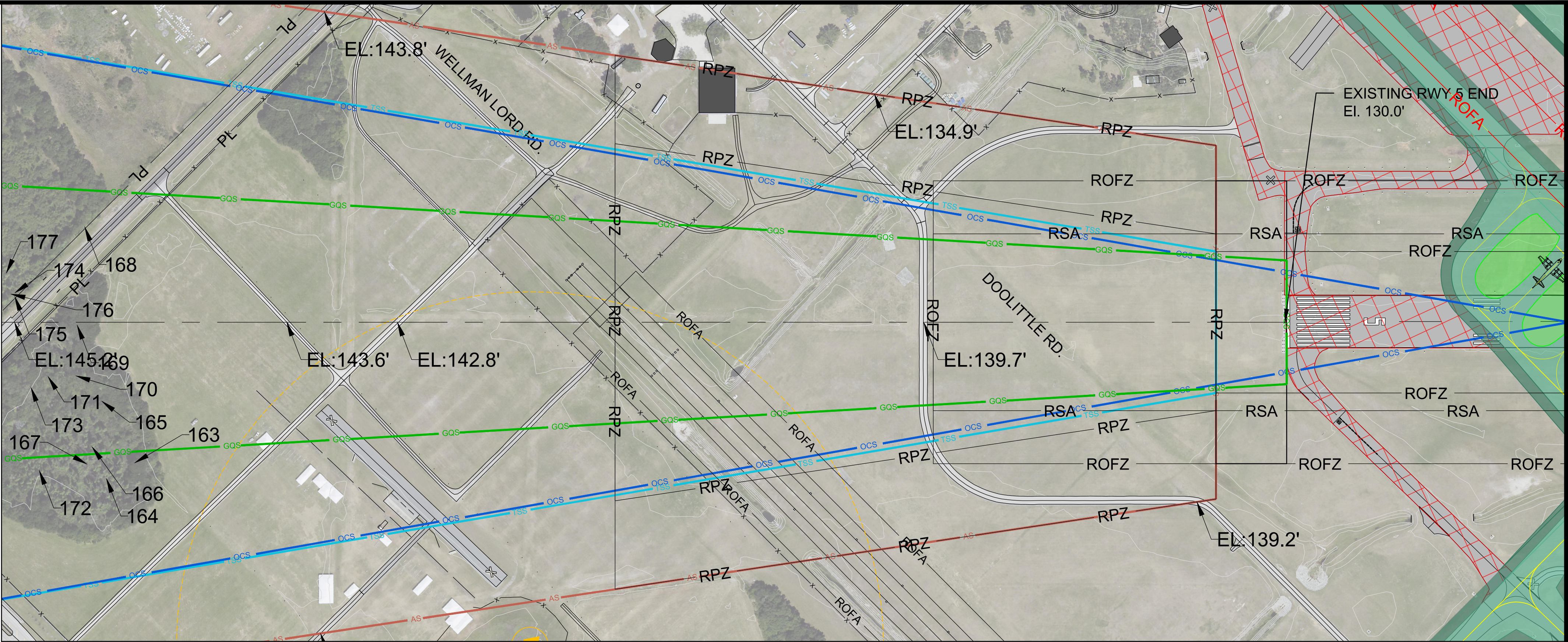
RUNWAY 9 SIGNIFICANT OBJECT TABLE												
OBJECT ID	DESCRIPTION	SURVEY DATE	EXISTING PART 77 APPROACH SURFACE PENETRATION	FUTURE PART 77 APPROACH SURFACE PENETRATION	EXISTING 34:1 THRESHOLD SITING SURFACE PENETRATION	FUTURE 34:1 THRESHOLD SITING SURFACE PENETRATION	EXISTING 30:1 GLIDESLOPE QUALIFICATION SURFACE PENETRATION	FUTURE 30:1 GLIDESLOPE QUALIFICATION SURFACE PENETRATION	OBJECT ELEVATION (MSL)	OBJECT ELEVATION (AGL)	TRIGGERING EVENT	PROPOSED DISPOSITON
11	TREE	2/12/2019	27.21	3.68	3.68	N/A	N/A	N/A	208.88	79.33	NONE	REMOVE/TRIM
12	TREE	2/12/2019	-9.50	20.56	-48.21	-4.00	-48.21	N/A	204.45	76.53	NONE	REMOVE/TRIM
13	TREE	2/12/2019	-12.46	17.60	-51.58	-7.37	-74.54	-24.44	202.35	73.95	NONE	REMOVE/TRIM
14	POLE	2/12/2019	-48.62	-18.56	-88.30	-44.09	-111.49	-61.39	167.38	38.56	NONE	NONE
15	POLE	2/12/2019	-49.82	-19.76	-89.52	-45.32	-112.74	-62.63	166.25	36.21	NONE	NONE
16	POLE	2/12/2019	-48.70	-18.64	-88.42	-44.21	-111.64	-61.54	167.38	38.79	NONE	NONE
17	POLE	2/12/2019	-53.71	-23.65	-93.83	-49.62	-117.21	-67.10	163.22	34.81	NONE	NONE
18	TREE	2/12/2019	-45.72	-15.66	-96.93	-52.73	-124.94	N/A	194.78	86.14	NONE	NONE
19	TREE	2/12/2019	-43.59	-13.52	-95.27	-51.07	-123.48	-73.38	197.94	90.93	NONE	NONE

NOTES:
1/ THE CORRESPONDING RUNWAY 10 PLAN AND PROFILE ARE SHOWN ON THE PREVIOUS SHEET TO MAXIMIZE SPACE AVAILABLE.
2/ ALL PRIVATE ROADS, PUBLIC ROADS, INTERSTATE HIGHWAYS, AND RAILWAYS ARE DEPICTED AT THE TRAVERSEWAY ELEVATION PLUS THE CORRESPONDING ADJUSTMENT OF 10', 15', 17', AND 23' RESPECTIVELY.
3/ ALL SURVEYED OBSTRUCTIONS WITHIN 10' OF THE APPROACH SURFACE HAVE BEEN DEPICTED.
4/ SUPPLEMENTAL TOPOGRAPHIC DATA USED IN THIS STUDY WAS DERIVED FROM ASTER GDEM V2 30M DEM DATA. ASTER GDEM IS A PRODUCT OF METI AND NASA LAND PROCESSES DISTRIBUTED ACTIE ARCHIVE CENTER (LP DAAC). FOR MORE INFORMATION VISIT: [HTTPS://LPDAAC.USGS.GOV](https://lpdaac.usgs.gov)
5/ SINCE THE COMPLETION OF THE AGIS SURVEY, SOME CLOSE IN OBSTRUCTIONS HAVE BEEN CLEAR CUT AND THEREFORE HAVE BEEN REMOVED FROM THE ALP

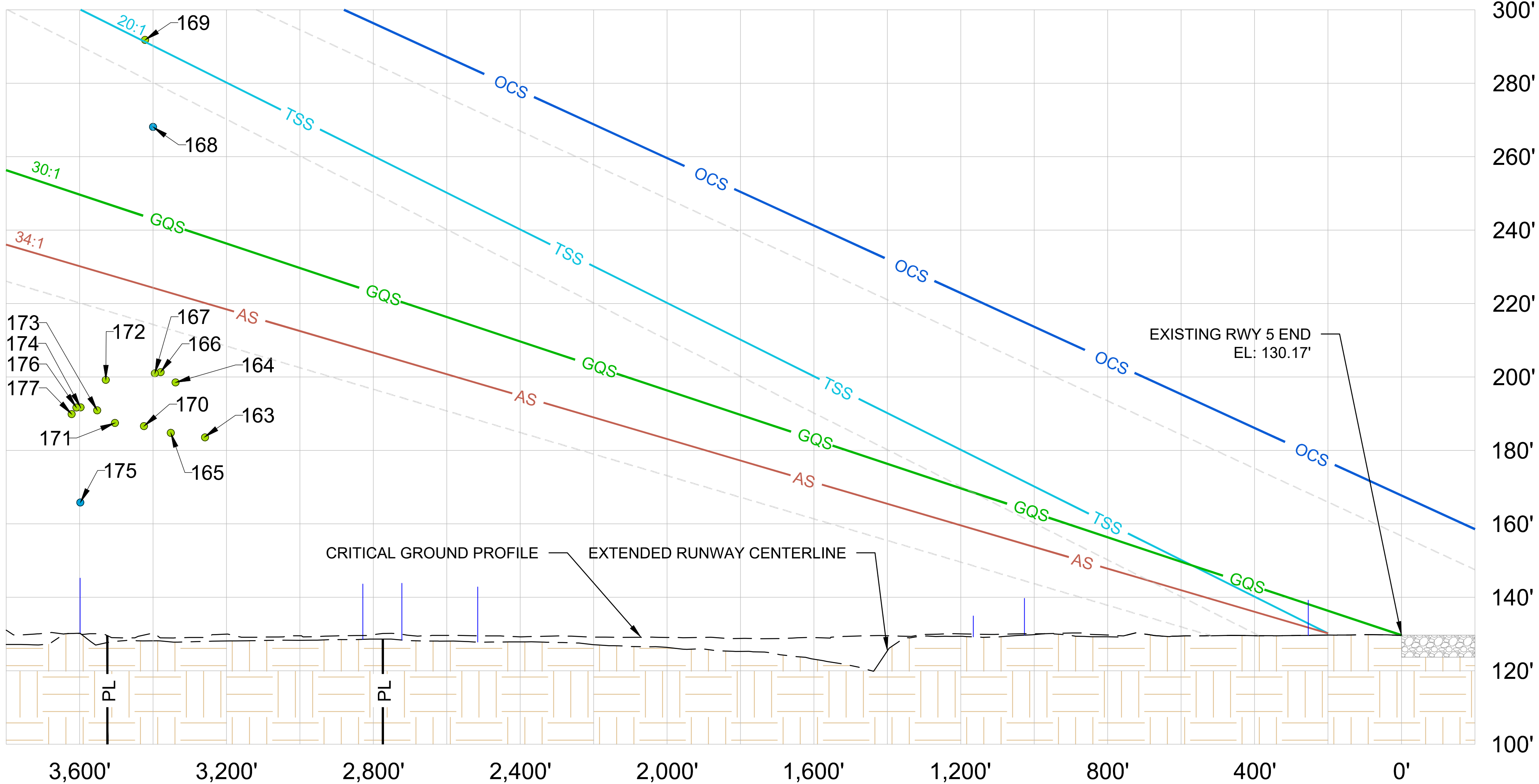


REVISIONS		CLIENT	PROJECT	SHEET TITLE	ATKINS	JOB NO.: 100057734
DATE	DESCRIPTION					
		FlyLakeland Lakeland Linder International Airport	AIRPORT MASTER PLAN UPDATE LAKELAND LINDER INTERNATIONAL AIRPORT LAKELAND, FLORIDA	INNER-APPROACH PLAN & PROFILE RUNWAY 27 (ULTIMATE RUNWAY 28R)	Member of the SNC-Lavalin Group 4030 West Boy Scout Blvd. Tel. (321) 775-6231 Suite 700 Tampa, Florida 33607 www.atkinsglobal.com/northamerica	DRAWN: KK, CH DESIGN: KK, CH CHECKED: GF DATE: AUGUST 2020
						SHEET 8 OF 23

RUNWAY 5 SIGNIFICANT OBJECT TABLE										
OBJECT ID	DESCRIPTION	SURVEY DATE	EXISTING PART 77 APPROACH SURFACE	EXISTING 34:1 THRESHOLD SITING SURFACE	EXISTING 30:1 GLIDESLOPE QUALIFICATION SURFACE	EXISTING PAPI OBSTACLE CLEARANCE SURFACE	OBJECT ELEVATION (MSL)	OBJECT ELEVATION (AGL)	TRIGGERING EVENT	PROPOSED DISPOSITION
			PENETRATION	PENETRATION	PENETRATION	PENETRATION				
163	TREE	2/12/2019	-36.58	-36.58	N/A	-134.85	183.54	55.88	NONE	NONE
164	TREE	2/12/2019	-23.97	-23.97	N/A	-123.76	198.51	71.63	NONE	NONE
165	TREE	2/12/2019	-38.10	-38.10	-57.12	-137.29	184.76	57.58	NONE	NONE
166	TREE	2/12/2019	-22.39	-22.39	-41.52	-122.44	201.29	74.68	NONE	NONE
167	TREE	2/12/2019	-23.16	-23.17	N/A	-123.67	200.98	74.26	NONE	NONE
168	POLE	2/12/2019	43.81	43.81	24.59	-56.31	268.09	140.12	NONE	REMOVE
169	TREE	2/12/2019	rea	66.87	47.57	-33.20	291.78	163.70	NONE	REMOVE/TRIM
170	TREE	2/12/2019	-38.40	-38.40	-57.71	-138.65	186.62	59.18	NONE	NONE
171	TREE	2/12/2019	-39.88	-39.88	-59.50	-141.43	187.46	59.98	NONE	NONE
172	TREE	2/12/2019	-28.86	-28.86	N/A	-131.62	199.21	72.19	NONE	NONE
173	TREE	2/12/2019	-37.86	-37.86	-57.67	-140.27	190.90	63.23	NONE	NONE
174	TREE	2/12/2019	-38.37	-38.37	-58.36	-141.38	191.72	64.35	NONE	NONE
175	POLE	2/12/2019	-64.30	-64.30	-84.29	-167.31	165.81	37.90	NONE	NONE
176	TREE	2/12/2019	-38.75	-38.75	-58.78	-141.94	191.67	64.41	NONE	NONE
177	TREE	2/12/2019	-40.93	-40.93	-61.01	-144.41	189.88	62.95	NONE	NONE



LEGEND		
EXISTING	PROPOSED	DESCRIPTION
AS	NA	APPROACH SURFACE
TSS	NA	THRESHOLD SITING SURFACE
GQS	NA	GLIDESLOPE QUALIFICATION SURFACE
OCS	NA	PAPI OBSTACLE CLEARANCE SURFACE
10 FOOT OFFSET OF AIRSPACE SURFACES		
RSA	RSA	RUNWAY SAFETY AREA
ROFA	ROFA	RUNWAY OBSTACLE FREE AREA
ROFZ	ROFZ	RUNWAY OBSTACLE FREE ZONE
RPZ	RPZ	RUNWAY PROTECTION ZONE
PL	NA	PROPERTY LINE
X	NA	FENCE
EXTENDED RUNWAY CENTERLINE		
RUNWAY		
EXTENDED CENTERLINE GROUND PROFILE		
AIRFIELD PAVEMENT		
PAVEMENT TO BE REMOVED		
CRITICAL GROUND PROFILE		
VEGETATION OBSTACLES		
OTHER OBSTACLES		
TRAVERSEWAY AND FENCE INTERSECTIONS		
VOR CRITICAL AREA		



REVISIONS	
DATE	DESCRIPTION

CLIENT



Lakeland Linder International Airport

PROJECT

AIRPORT MASTER PLAN UPDATE

LAKELAND LINDER INTERNATIONAL AIRPORT

LAKELAND, FLORIDA

SHEET TITLE

INNER-APPROACH

PLAN & PROFILE

RUNWAY 5



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Tampa, Florida 33607

www.atkinsglobal.com/northamerica

JOB NO.: 100057734

DRAWN: KK, CH

DESIGN: KK, CH

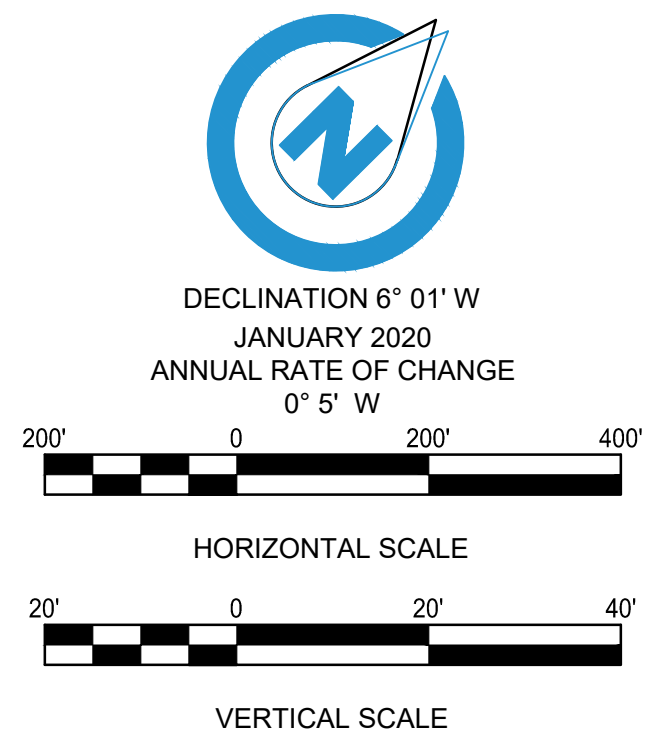
CHECKED: GF

DATE: AUGUST 2020

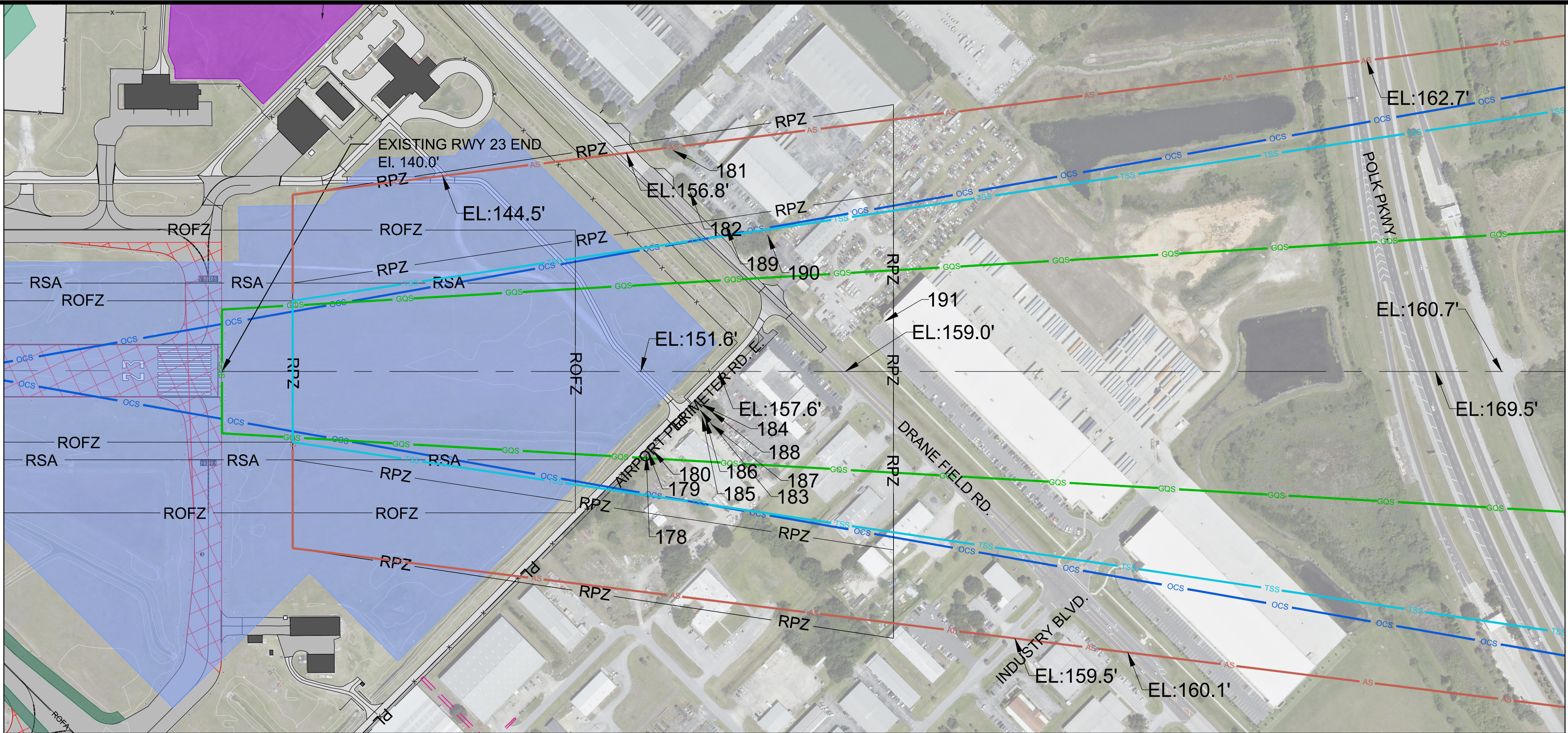
SHEET 9 OF 23

\\atkins\projects\Lakeland Linder International Airport (LAL)\100057734 LAL AMP\A\MP\07-09_LAL_P&P.dwg Aug 11, 2020 1:22pm Plotted By: HSK6597

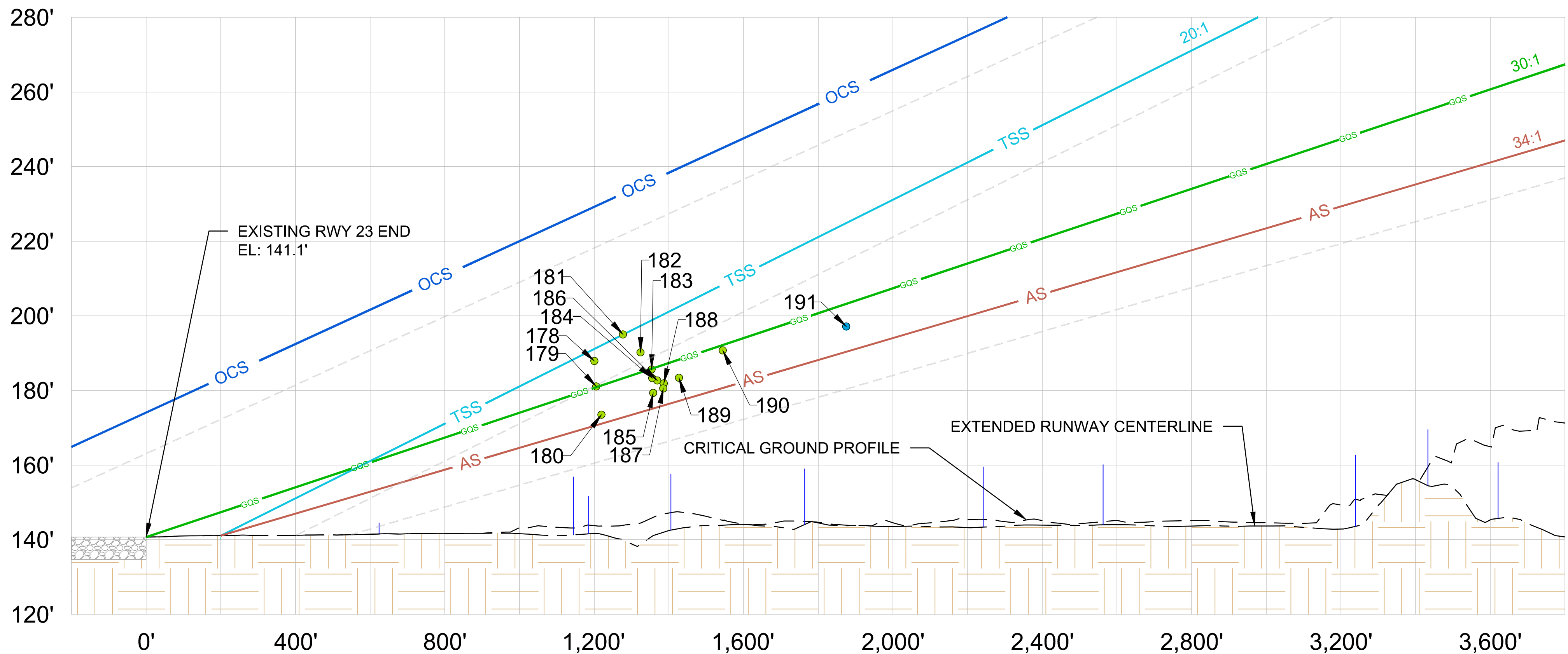
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LEGEND		
EXISTING	PROPOSED	DESCRIPTION
AS	NA	APPROACH SURFACE
TSS	NA	THRESHOLD SITING SURFACE
GOS	NA	GLIDESLOPE QUALIFICATION SURFACE
OCS	NA	PAPI OBSTACLE CLEARANCE SURFACE
		10 FOOT OFFSET OF AIRSPACE SURFACES
RSA	RSA	RUNWAY SAFETY AREA
ROFA	ROFA	RUNWAY OBSTACLE FREE AREA
ROFZ	ROFZ	RUNWAY OBSTACLE FREE ZONE
RPZ	RPZ	RUNWAY PROTECTION ZONE
PL	NA	PROPERTY LINE
X	NA	FENCE
	NA	EXTENDED RUNWAY CENTERLINE
	NA	RUNWAY
	NA	EXTENDED CENTERLINE GROUND PROFILE
NA		AIRFIELD PAVEMENT
NA	XXXXXX	PAVEMENT TO BE REMOVED
---	NA	CRITICAL GROUND PROFILE
●	NA	VEGETATION OBSTACLES
●	NA	OTHER OBSTACLES
— —	NA	TRAVERSEWAY AND FENCE INTERSECTIONS
---	NA	EASEMENTS
NA		FUTURE AERONAUTICAL DEVELOPMENT
NA		FUTURE NON-AERONAUTICAL DEVELOPMENT



RUNWAY 23 SIGNIFICANT OBJECT TABLE										
OBJECT ID	DESCRIPTION	SURVEY DATE	EXISTING PART 77 APPROACH SURFACE PENETRATION	EXISTING 34:1 THRESHOLD SITING SURFACE PENETRATION	EXISTING 30:1 GLIDESLOPE QUALIFICATION SURFACE PENETRATION	EXISTING PAPI OBSTACLE CLEARANCE SURFACE PENETRATION	OBJECT ELEVATION (MSL)	OBJECT ELEVATION (AGL)	TRIGGERING EVENT	PROPOSED DISPOSITION
178	TREE	2/12/2019	17.35	-3.26	6.76	-42.03	187.88	47.33	NONE	REMOVE/TRIM
179	TREE	2/12/2019	10.39	-10.32	-0.22	-49.00	181.07	39.56	NONE	REMOVE/TRIM
180	TREE	2/12/2019	2.41	-18.59	-8.26	-57.20	173.49	31.50	NONE	REMOVE/TRIM
181	TREE	2/12/2019	22.24	N/A	N/A	N/A	195.01	52.12	NONE	REMOVE/TRIM
182	TREE	2/12/2019	16.05	N/A	N/A	N/A	190.21	47.61	NONE	REMOVE/TRIM
183	TREE	2/12/2019	10.60	-13.17	-0.60	-50.78	185.63	42.30	NONE	REMOVE/TRIM
184	TREE	2/12/2019	8.20	-15.61	-3.00	-53.18	183.28	40.19	NONE	REMOVE/TRIM
185	TREE	2/12/2019	4.18	-19.67	-7.03	-57.31	179.35	35.93	NONE	REMOVE/TRIM
186	TREE	2/12/2019	7.20	-16.87	-4.05	-54.50	182.67	39.28	NONE	REMOVE/TRIM
187	TREE	2/12/2019	4.57	-19.83	-6.74	-57.43	180.53	37.15	NONE	REMOVE/TRIM
188	TREE	2/12/2019	5.92	-18.52	-5.40	-56.00	181.92	38.50	NONE	REMOVE/TRIM
189	TREE	2/12/2019	6.20	N/A	N/A	N/A	183.40	40.83	NONE	REMOVE/TRIM
190	TREE	2/12/2019	10.08	-17.61	N/A	-55.78	190.72	47.00	NONE	REMOVE/TRIM
191	BUILDING	2/12/2019	6.76	-27.74	-6.48	-63.28	197.12	53.86	NONE	REMOVE/TRIM LIGHT



REVISIONS	
DATE	DESCRIPTION

CLIENT



Lakeland Linder International Airport

PROJECT

AIRPORT MASTER PLAN UPDATE

LAKELAND LINDER INTERNATIONAL AIRPORT

LAKELAND, FLORIDA

SHEET TITLE

INNER-APPROACH

PLAN & PROFILE

RUNWAY 23



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JOB NO.: 10057734

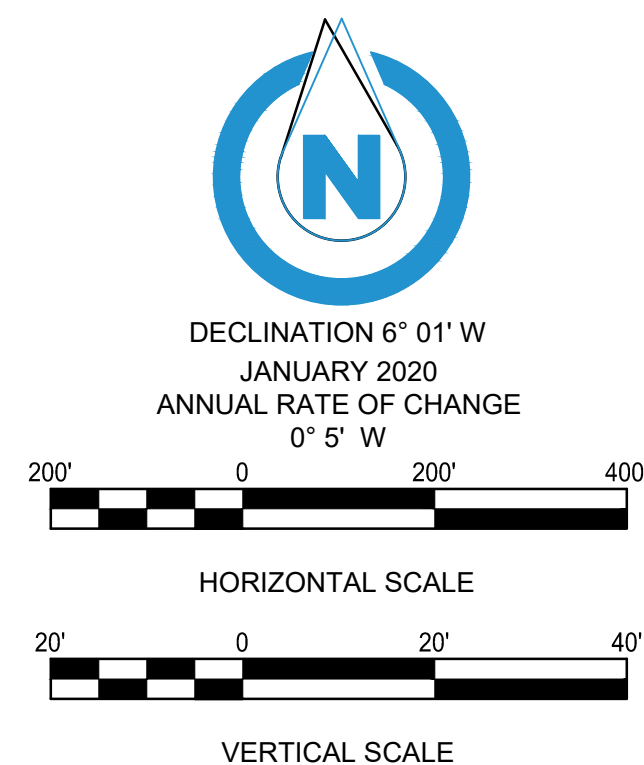
DRAWN: KK, CH

DESIGN: KK, CH

CHECKED: GF

DATE: AUGUST 2020

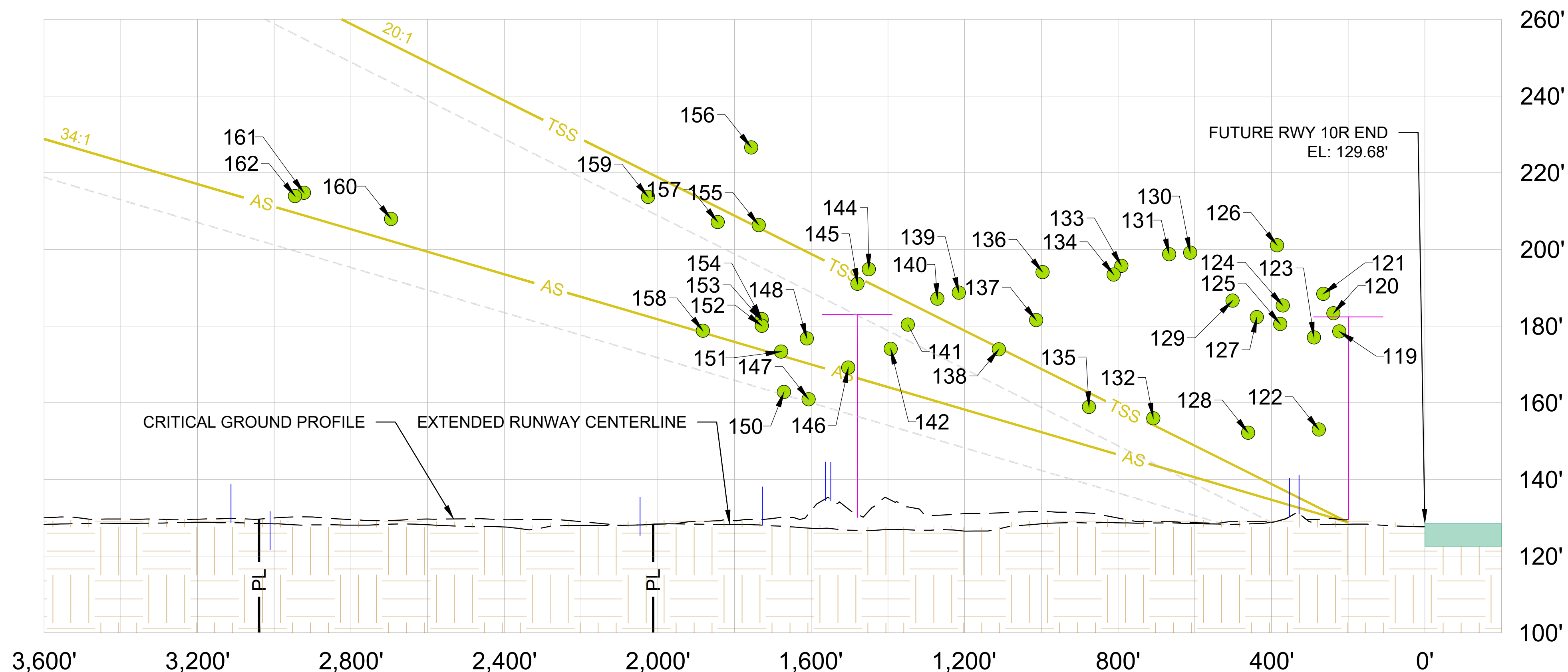
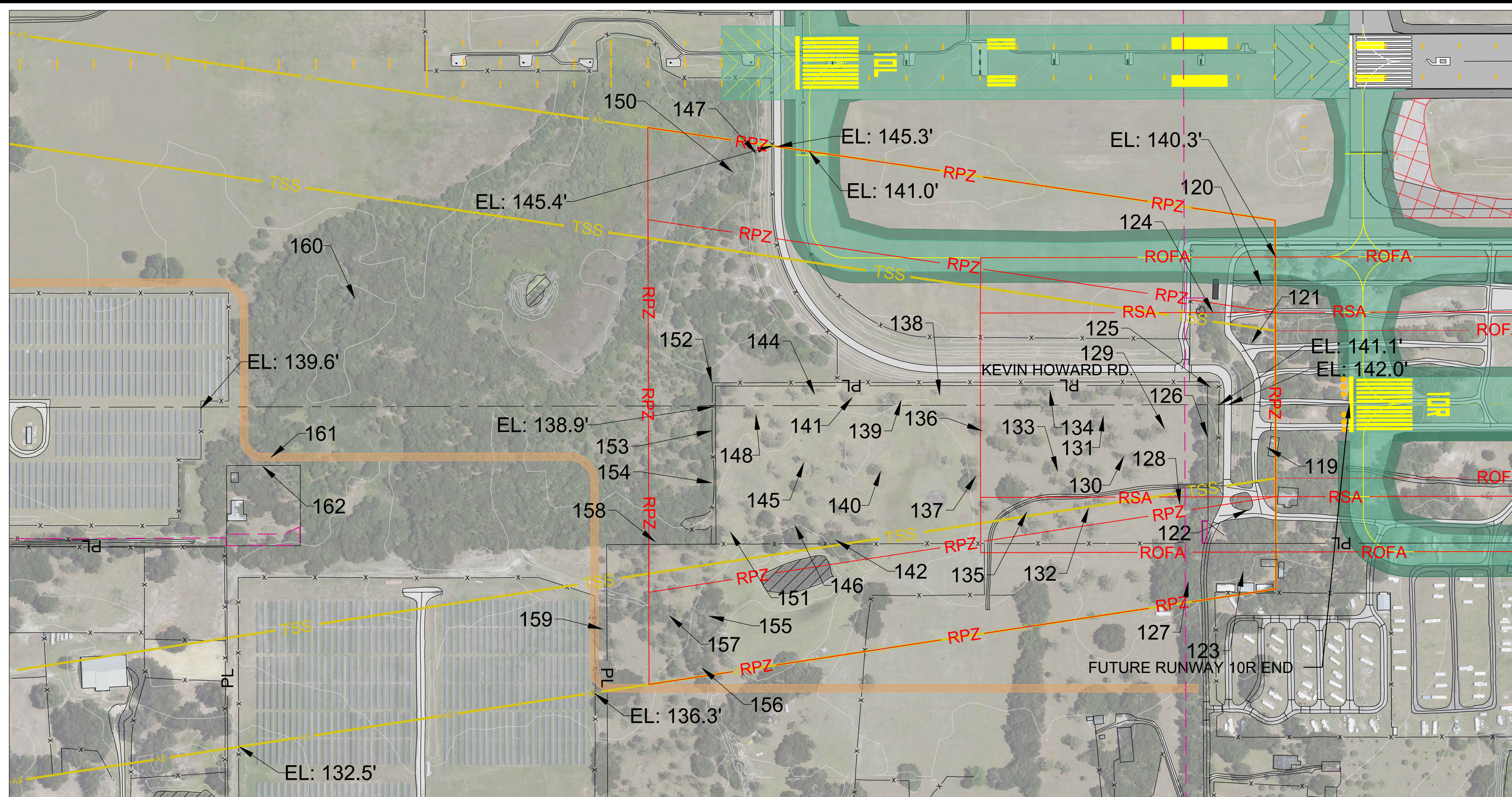
SHEET 10 OF 23



LEGEND		
EXISTING	PROPOSED	DESCRIPTION
NA	AS	APPROACH SURFACE
NA	TSS	THRESHOLD SITING SURFACE
NA	GQS	GLIDESLOPE QUALIFICATION SURFACE
NA	OCS	PAPI OBSTACLE CLEARANCE SURFACE
NA		10 FOOT OFFSET OF AIRSPACE SURFACES
NA	RSA	RUNWAY SAFETY AREA
NA	ROFA	RUNWAY OBSTACLE FREE AREA
NA	ROFZ	RUNWAY OBSTACLE FREE ZONE
NA	RPZ	RUNWAY PROTECTION ZONE
NA		NAVAID CRITICAL AREA
PL	NA	PROPERTY LINE
X	NA	FENCE
NA		EXTENDED RUNWAY CENTERLINE
NA		RUNWAY
NA		EXTENDED CENTERLINE GROUND PROFILE
NA		AIRFIELD PAVEMENT
NA		PAVEMENT TO BE REMOVED
NA		CRITICAL GROUND PROFILE
NA		VEGETATION OBSTACLES
NA		TRAVERSEWAY AND FENCE INTERSECTIONS
NA		AIRCRAFT TAIL HEIGHT
NA		EASEMENTS

NOTE: 1/ AIRCRAFT TAIL HEIGHTS BASED ON FUTURE AIRCRAFT B767-300P
2/ SINCE THE COMPLETION OF THE AGIS SURVEY, SOME CLOSE IN OBSTRUCTIONS HAVE BEEN CLEAR CUT AND THEREFORE HAVE BEEN REMOVED FROM THE ALP

FUTURE RUNWAY 10R SIGNIFICANT OBJECT TABLE								
OBJECT ID	DESCRIPTION	SURVEY DATE	FUTURE 34:1 PART 77 APPROACH SURFACE PENETRATION	FUTURE 20:1 THRESHOLD SITING SURFACE PENETRATION	OBJECT ELEVATION (MSL)	OBJECT ELEVATION (AGL)	TRIGGERING EVENT	PROPOSED DISPOSITION
119	TREE	2/12/2019	50.02	48.67	179.50	50.36	NEW RUNWAY	REMOVE/TRIM
120	TREE	2/12/2019	54.29	N/A	184.22	53.92	NEW RUNWAY	REMOVE/TRIM
121	TREE	2/12/2019	58.56	56.35	189.27	59.41	NEW RUNWAY	REMOVE/TRIM
122	TREE	2/12/2019	22.84	N/A	153.88	25.13	NEW RUNWAY	REMOVE/TRIM
123	TREE	2/12/2019	46.51	N/A	177.93	50.03	NEW RUNWAY	REMOVE/TRIM
124	TREE	2/12/2019	52.43	N/A	186.24	56.36	NEW RUNWAY	REMOVE/TRIM
125	TREE	2/12/2019	47.43	42.90	181.43	50.95	NEW RUNWAY	REMOVE/TRIM
126	TREE	2/12/2019	67.69	62.99	201.94	72.11	NEW RUNWAY	REMOVE/TRIM
127	TREE	2/12/2019	47.43	N/A	183.22	55.04	NEW RUNWAY	REMOVE/TRIM
128	TREE	2/12/2019	16.60	N/A	153.06	24.33	NEW RUNWAY	REMOVE/TRIM
129	TREE	2/12/2019	49.84	42.75	187.50	58.19	NEW RUNWAY	REMOVE/TRIM
130	TREE	2/12/2019	59.09	49.74	200.00	70.69	NEW RUNWAY	REMOVE/TRIM
131	TREE	2/12/2019	57.09	46.60	199.62	70.11	NEW RUNWAY	REMOVE/TRIM
132	TREE	2/12/2019	13.07	N/A	156.81	27.96	NEW RUNWAY	REMOVE/TRIM
133	TREE	2/12/2019	50.40	37.35	196.59	67.50	NEW RUNWAY	REMOVE/TRIM
134	TREE	2/12/2019	47.54	34.07	194.32	64.41	NEW RUNWAY	REMOVE/TRIM
135	TREE	2/12/2019	11.12	-3.67	159.79	31.10	NEW RUNWAY	REMOVE/TRIM
136	TREE	2/12/2019	42.72	25.44	194.95	65.84	NEW RUNWAY	REMOVE/TRIM
137	TREE	2/12/2019	29.73	12.10	182.45	54.36	NEW RUNWAY	REMOVE/TRIM
138	TREE	2/12/2019	19.23	-0.41	174.81	46.48	NEW RUNWAY	REMOVE/TRIM
139	TREE	2/12/2019	30.92	9.14	189.57	61.77	NEW RUNWAY	REMOVE/TRIM
140	TREE	2/12/2019	27.70	4.77	188.00	61.04	NEW RUNWAY	REMOVE/TRIM
141	TREE	2/12/2019	18.70	-5.82	181.26	53.18	NEW RUNWAY	REMOVE/TRIM
142	TREE	2/12/2019	11.06	-14.37	174.94	48.89	NEW RUNWAY	REMOVE/TRIM
144	TREE	2/12/2019	30.15	3.54	195.70	67.64	NEW RUNWAY	REMOVE/TRIM
145	TREE	2/12/2019	25.49	-1.73	191.92	65.21	NEW RUNWAY	REMOVE/TRIM
146	TREE	2/12/2019	2.93	-24.79	170.06	44.39	NEW RUNWAY	REMOVE/TRIM
147	TREE	2/12/2019	-8.38	N/A	161.79	30.12	NEW RUNWAY	REMOVE/TRIM
148	TREE	2/12/2019	22.45	-7.43	192.67	64.57	NEW RUNWAY	REMOVE/TRIM
150	TREE	2/12/2019	-8.37	N/A	163.69	34.38	NEW RUNWAY	REMOVE/TRIM
151	TREE	2/12/2019	1.94	-29.38	174.23	47.91	NEW RUNWAY	REMOVE/TRIM
152	TREE	2/12/2019	7.17	-25.19	180.93	51.77	NEW RUNWAY	REMOVE/TRIM
153	TREE	2/12/2019	8.55	-23.82	182.32	53.84	NEW RUNWAY	REMOVE/TRIM
154	TREE	2/12/2019	8.93	-23.44	182.70	54.90	NEW RUNWAY	REMOVE/TRIM
155	TREE	2/12/2019	33.21	N/A	207.20	82.84	NEW RUNWAY	REMOVE/TRIM
156	TREE	2/12/2019	52.88	N/A	227.46	103.65	NEW RUNWAY	REMOVE/TRIM
157	TREE	2/12/2019	30.87	N/A	208.01	83.06	NEW RUNWAY	REMOVE/TRIM
158	TREE	2/12/2019	1.38	-34.14	179.65	52.15	NEW RUNWAY	REMOVE/TRIM
159	TREE	2/12/2019	32.16	N/A	214.64	87.88	NEW RUNWAY	REMOVE/TRIM
160	TREE	2/12/2019	6.69	-45.57	208.88	79.33	NEW RUNWAY	REMOVE/TRIM
161	TREE	2/12/2019	6.82	-50.12	215.69	87.31	NEW RUNWAY	REMOVE/TRIM
162	TREE	2/12/2019	5.27	-52.15	214.83	86.62	NEW RUNWAY	REMOVE/TRIM



\\flambor000\aviation\05_Projects\Lakeland_Linder_Regional_Airport (LAL)\10057734_LAL AMP\A\WP\07-09_LAL_R&P.dwg Aug 17 2020 1:38pm Plotted By: HSK6557

REVISIONS	
DATE	DESCRIPTION

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FlyLakeland
Lakeland Linder
International Airport

PROJECT

AIRPORT MASTER PLAN UPDATE

LAKELAND LINDER INTERNATIONAL AIRPORT
LAKELAND, FLORIDA

SHEET TITLE

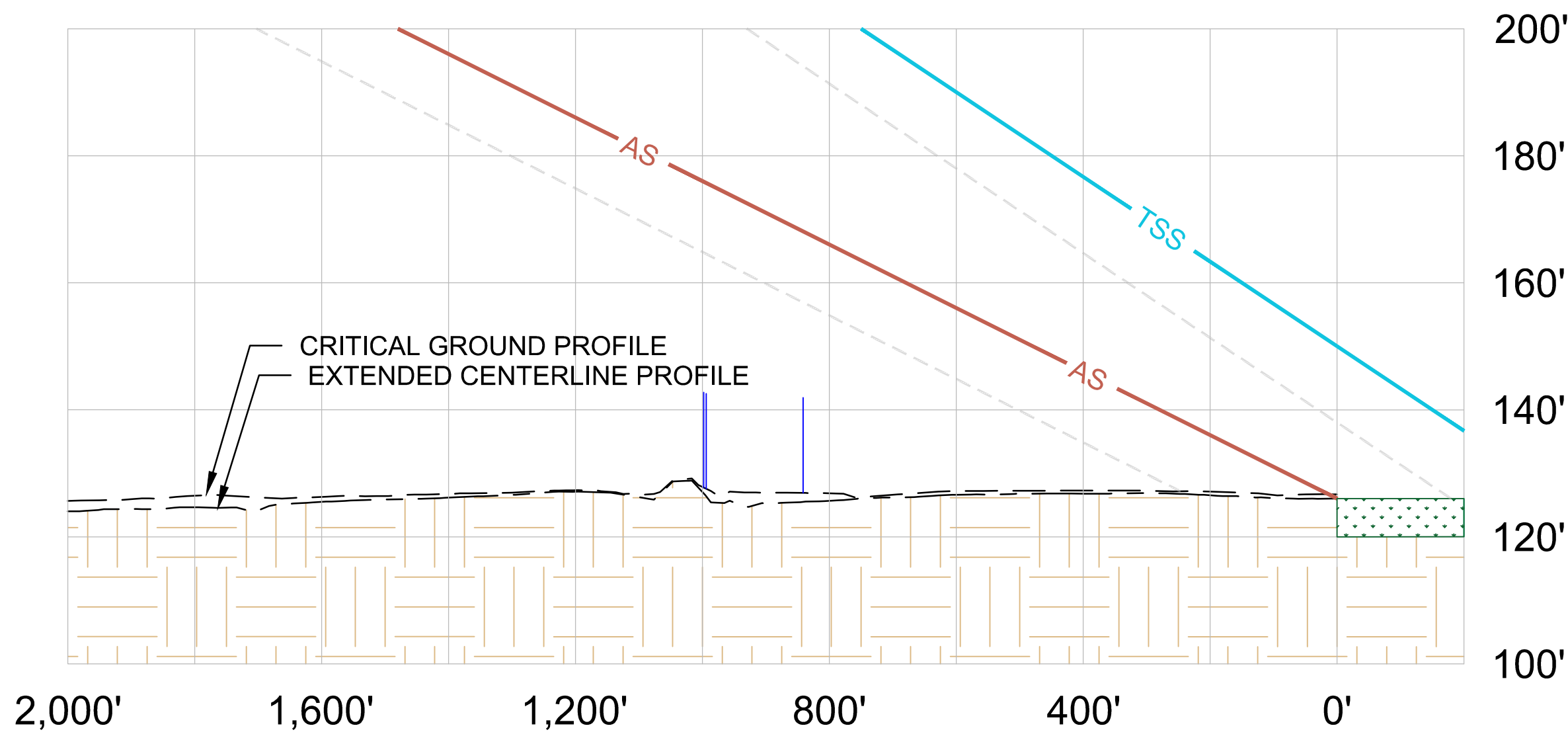
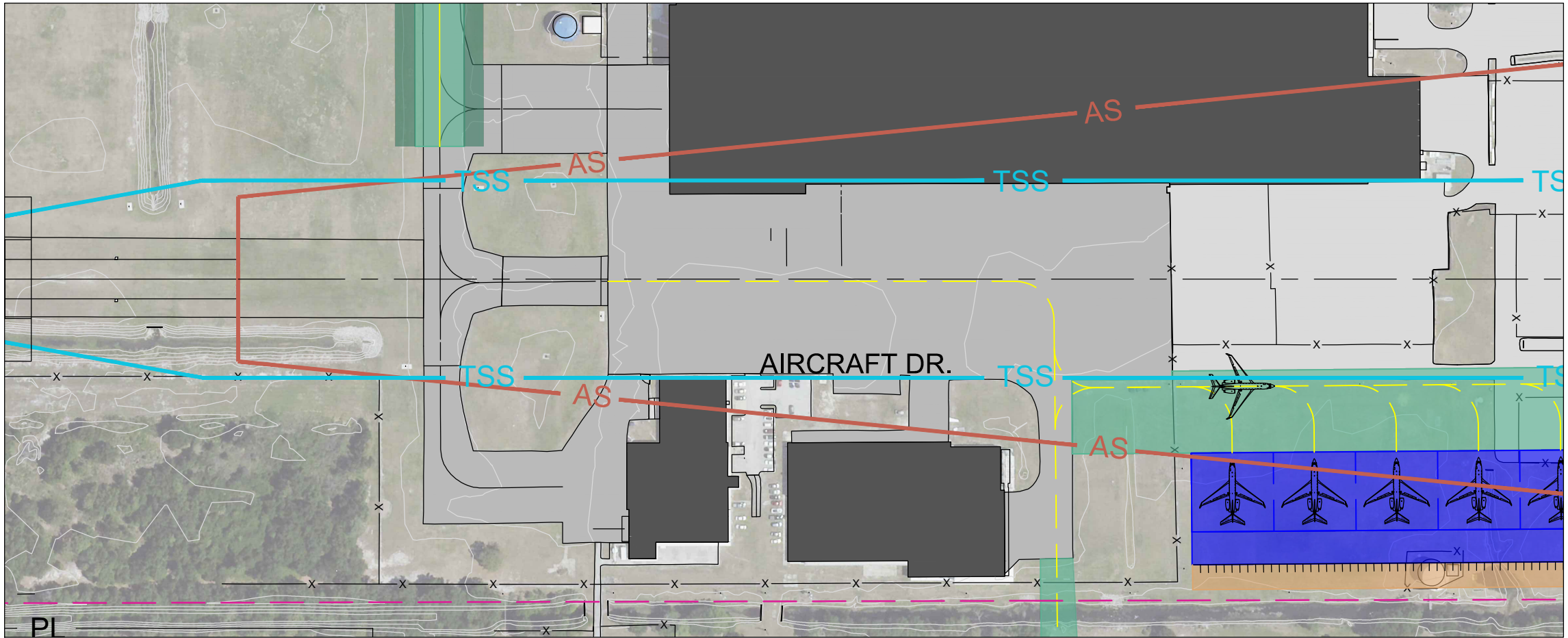
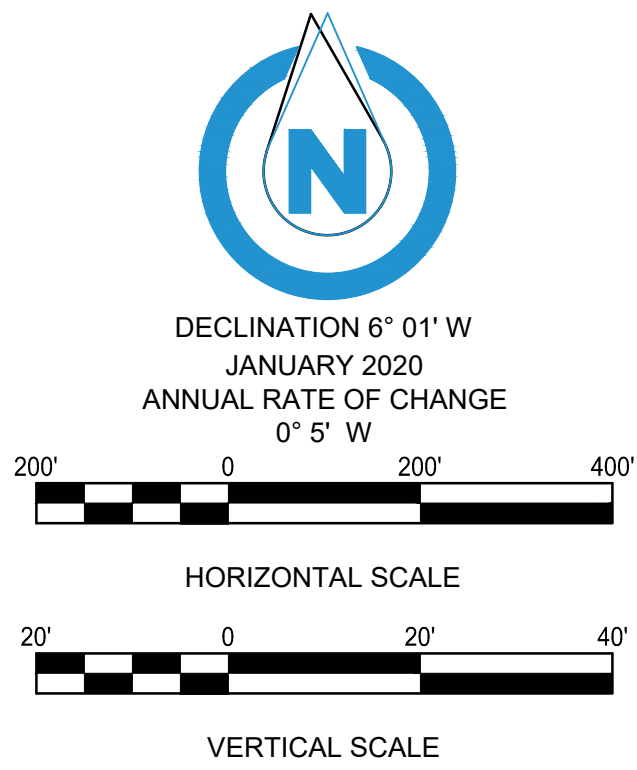
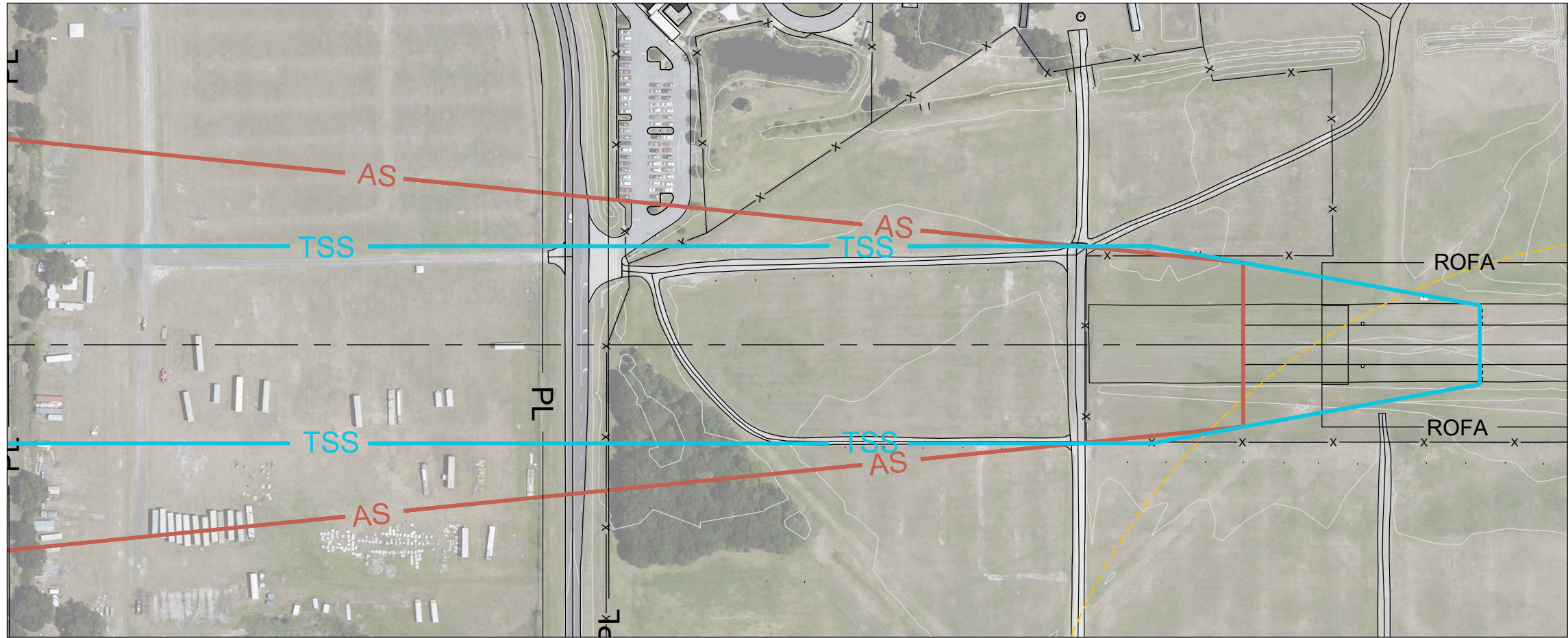
INNER-APPROACH
PLAN & PROFILE
FUTURE RUNWAY 10R

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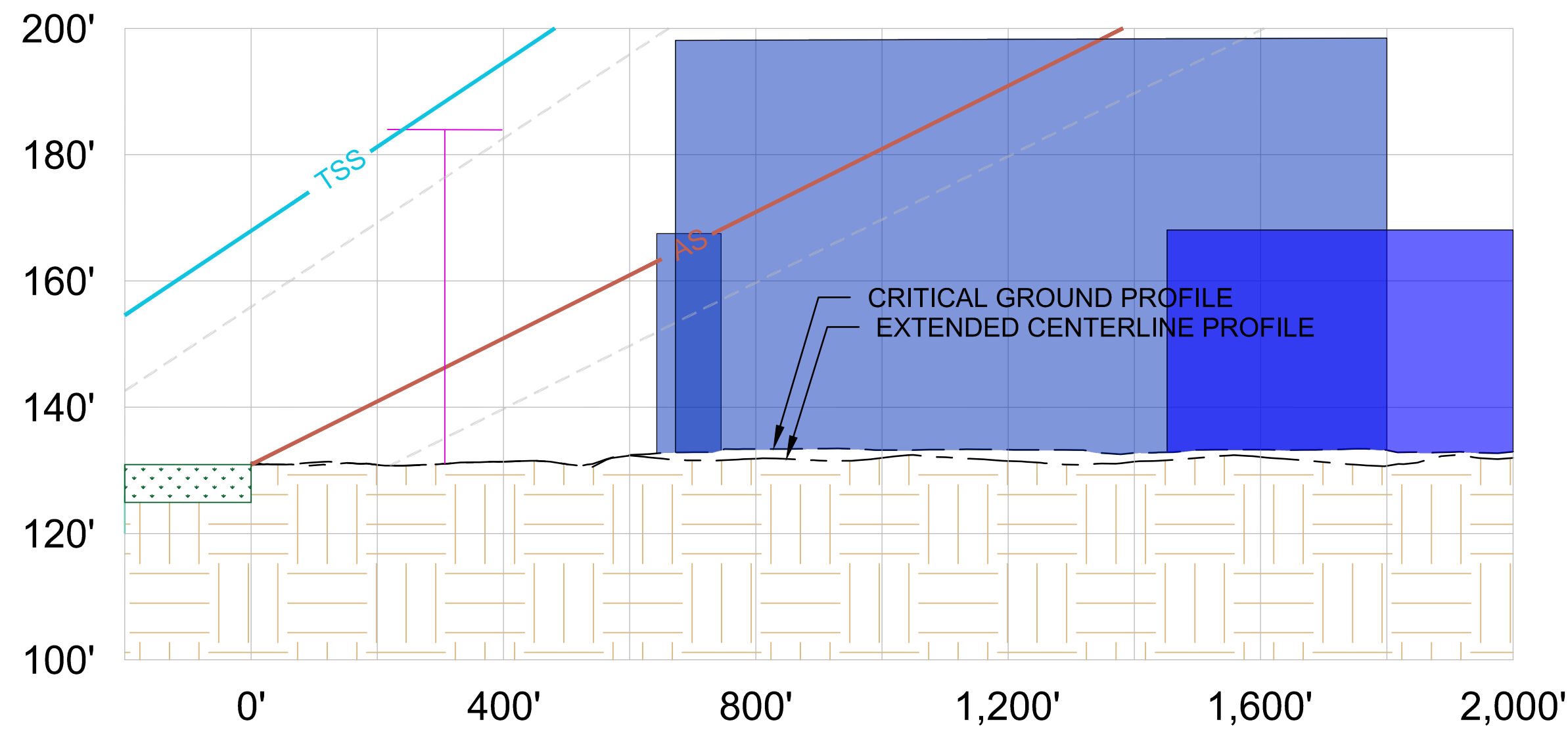
JOB NO.: 10057734
DRAWN: KK, CH
DESIGN: KK, CH
CHECKED: GF
DATE: AUGUST 2020

SHEET 11 OF 23



LEGEND		
EXISTING	PROPOSED	DESCRIPTION
AS	NA	APPROACH SURFACE
TSS	NA	THRESHOLD SITING SURFACE
RSA	NA	RUNWAY SAFETY AREA
ROFA	NA	RUNWAY OBSTACLE FREE AREA
ROFZ	NA	RUNWAY OBSTACLE FREE ZONE
RPZ	NA	RUNWAY PROTECTION ZONE
PL	NA	PROPERTY LINE
X	NA	FENCE
	NA	EXTENDED RUNWAY CENTERLINE
	NA	RUNWAY
	NA	EXTENDED CENTERLINE GROUND PROFILE
NA	NA	AIRFIELD PAVEMENT
	NA	CRITICAL GROUND PROFILE
	NA	SIGNIFICANT BUILDINGS
	NA	TRAVERSEWAY AND FENCE INTERSECTIONS
	NA	AIRCRAFT TAIL HEIGHT

NOTES:
1/ AIRCRAFT TAIL HEIGHTS BASED ON FUTURE AIRCRAFT B767-300F
2/ NO OBSTACLES WERE FOUND BY THE SURVEY FOR RUNWAY 8-26



NOTES:
1/ FUTURE BUILDING HEIGHT IN THIS EXHIBIT IS PORTRAYED AS 35' AGL TO ACCOMMODATE FOR THE GULFSTREAM G550 TAIL HEIGHT OF APPROXIMATELY 25'

\\NA\05_Projects\Lakeland Linder Regional Airport (LAL)\10057734 LAL AMP\AUP\07-09_LAL_P&P.dwg Aug 11, 2020 1:37pm Plotted By: HSK6597

REVISIONS	
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PROJECT

AIRPORT MASTER PLAN UPDATE

LAKELAND LINDER INTERNATIONAL AIRPORT
LAKELAND, FLORIDA

SHEET TITLE

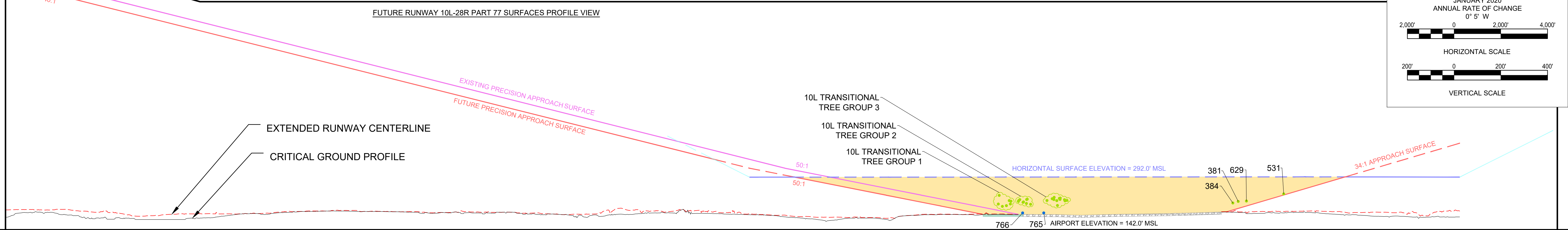
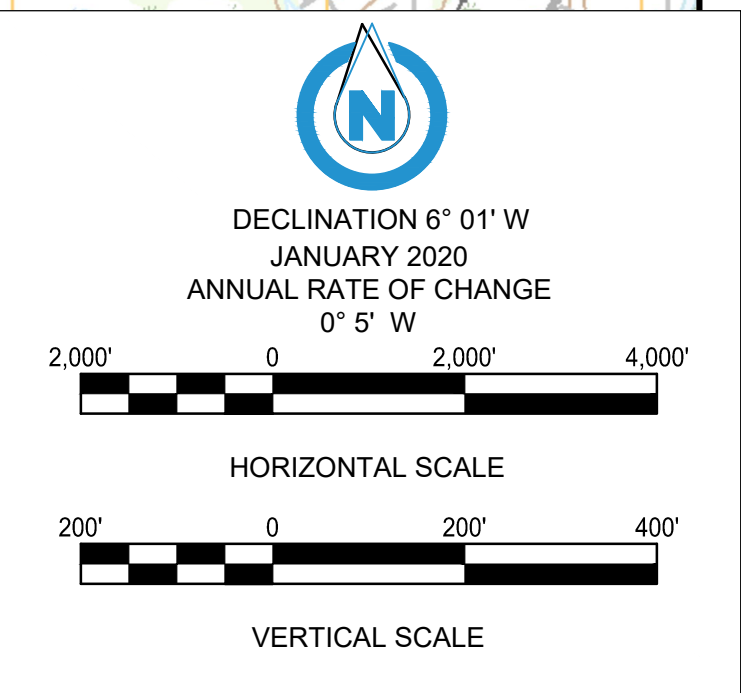
INNER-APPROACH
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RUNWAY 8-26

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DATE: AUGUST 2020

SHEET 13 OF 23



REVISIONS	
DATE	DESCRIPTION



Fly Lakeland
Lakeland Linder
International Airport

PROJECT

AIRPORT MASTER PLAN UPDATE

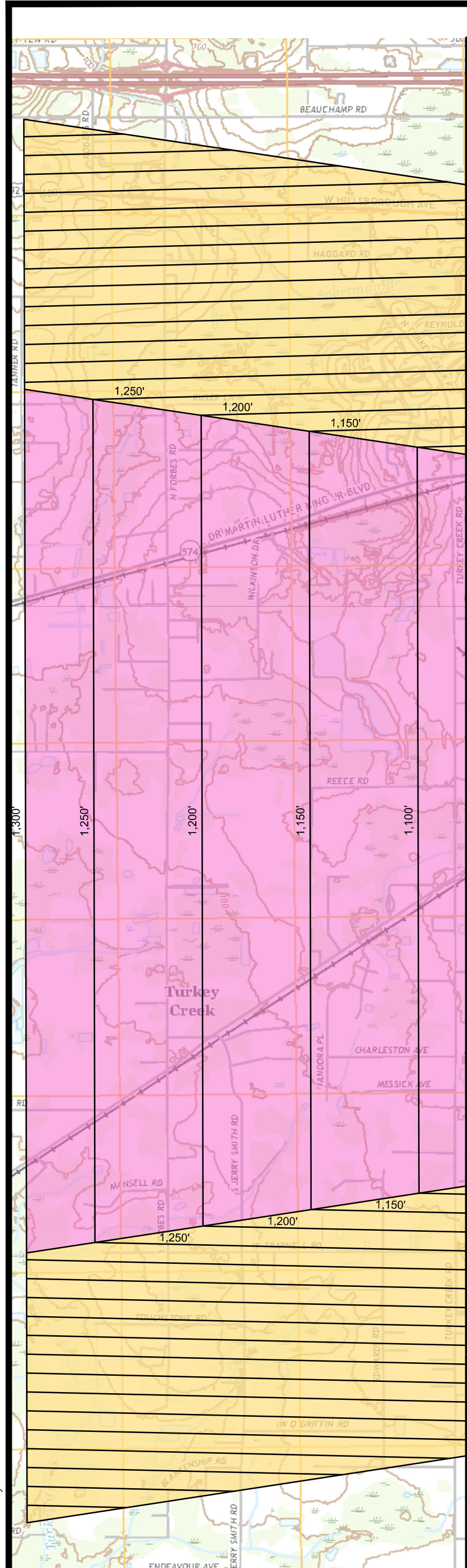
LAKELAND LINDER INTERNATIONAL AIRPORT
LAKELAND, FLORIDA

AIRPORT AIRSPACE - 1

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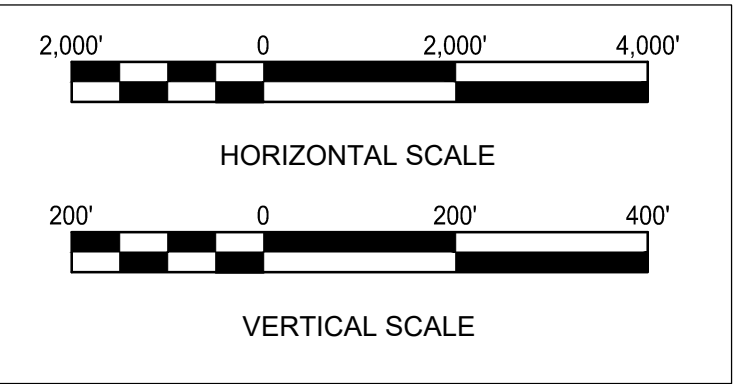
JOB NO.:	100057734
DRAWN:	KK, CH
DESIGN:	KK, CH
CHECKED:	GF
DATE:	AUGUST 2020



MATCH LINE A-A

DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		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 RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		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	*
F	APPROACH FLARE	0.1:1	0.1:1	0.15:1	0.15:1	0.15:1	0.15:1

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
* - PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET

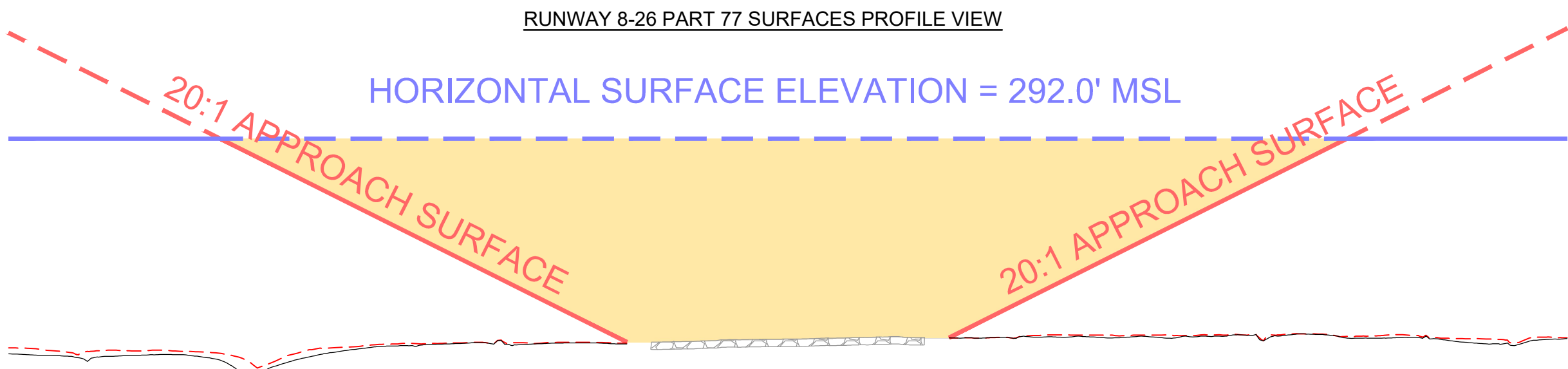
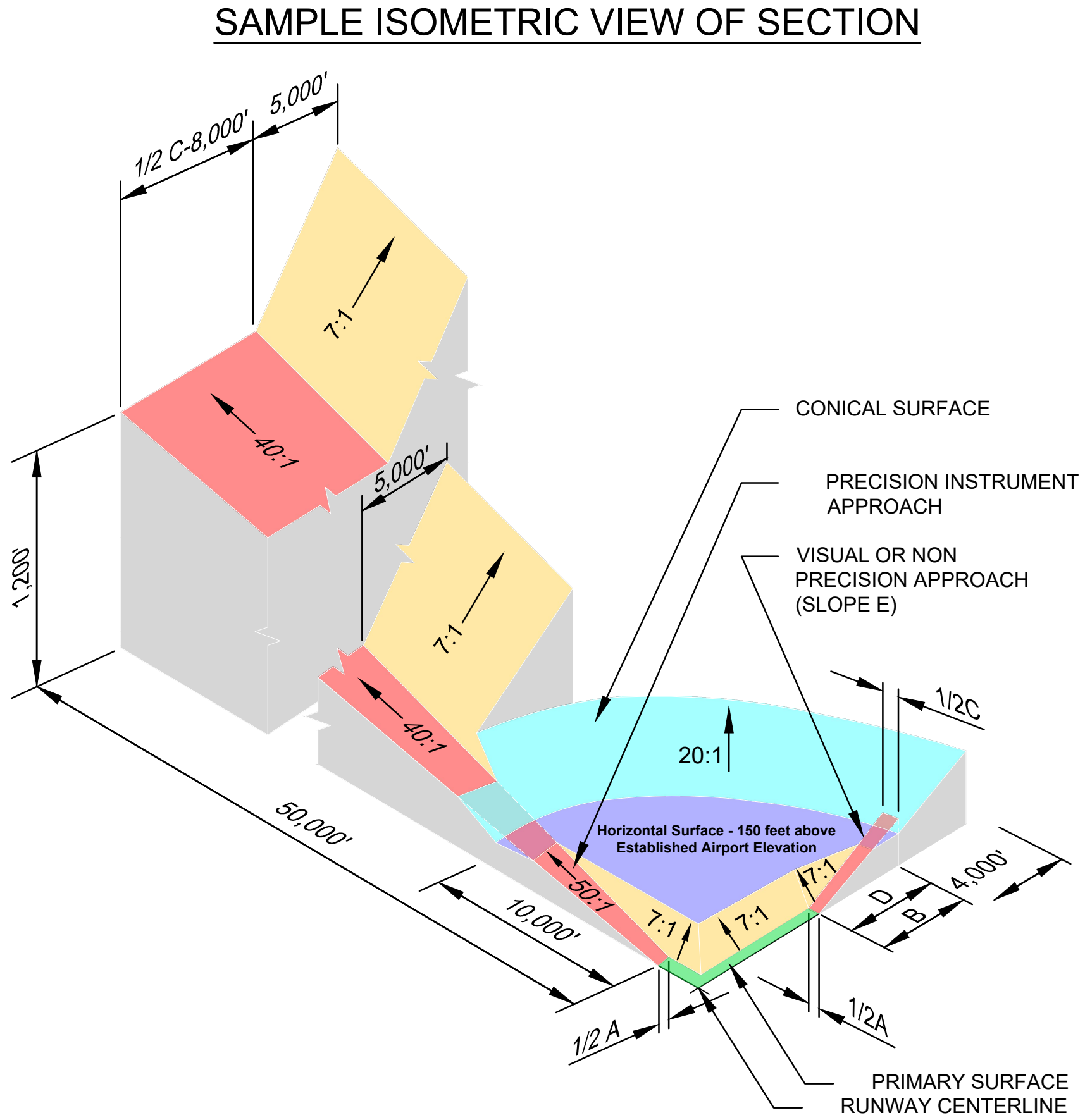


LEGEND		
EXISTING	PROPOSED	DESCRIPTION
		CRITICAL APPROACH SURFACE
		CRITICAL HORIZONTAL SURFACE
		CONICAL SURFACE
	NA	COMPOSITE GROUND PROFILE ¹
	NA	EXTENDED CENTERLINE PROFILE
	NA	RUNWAY
		VEGETATION PENETRATIONS ²
		OTHER PENETRATIONS ²

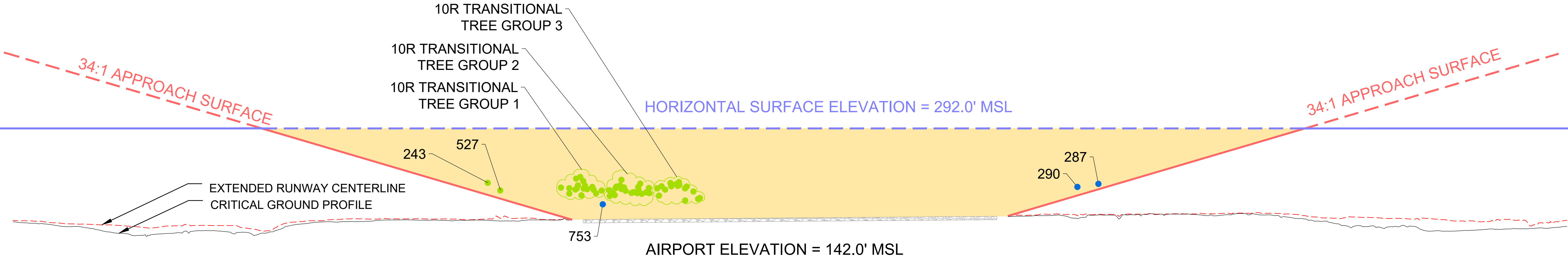
1. THE COMPOSITE CRITICAL GROUND PROFILE FOR EACH SURFACE WAS GENERATED FROM THE CRITICAL GROUND PROFILES OF ALIGNMENTS SET AT SPECIFIC INTERVALS WITHIN THE SURFACE ALONG THE SURVEYED GROUND TOPOGRAPHY.
2. ONLY TRANSITIONAL SURFACE PENETRATIONS ARE SHOWN ON SURFACE PROFILE VIEWS TO ENSURE CLARITY. NO APPROACH SURFACE PENETRATIONS WERE FOUND OUTSIDE THE EXTENTS OF THE INNER APPROACH SHEETS. FOR MORE INFORMATION SEE THE INNER APPROACH SHEETS WITHIN THIS ALP SET.

PART 77 SURFACES

- Primary Surface
- Approach Surface
- Transitional Surface
- Horizontal Surface
- Conical Surface



FUTURE RUNWAY 10R-28L PART 77 SURFACES PROFILE VIEW



REVISIONS	
DATE	DESCRIPTION

CLIENT

Lakeland Linder International Airport

PROJECT

AIRPORT MASTER PLAN UPDATE

LAKELAND LINDER INTERNATIONAL AIRPORT

LAKELAND, FLORIDA

SHEET TITLE

AIRPORT AIRSPACE - 2

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DRAWN: KK, CH
DESIGN: KK, CH
CHECKED: GF
DATE: AUGUST 2020

SHEET 15 OF 23

\\05-Projects\Lakeland Under Regional Airport (LAL)\10057734 LAL AMPA\AUP\10_LAL_P177.dwg Aug 11 2020 -- 1:48pm Plotted By: hsk6597

RUNWAY 10L-28R AIRSPACE PENETRATIONS									
OBJECT ID	GROUP	DESCRIPTION	SURVEY DATE	GROUND ELEVATION (MSL)	OBJECT ELEVATION (MSL)	OBJECT ELEVATION (AGL)	SURFACE BEING PENETRATED	EXTENT OF PENETRATION	PROPOSED DISPOSITION
318	GROUP 1	TREE	2/12/2019	134.38	188.13	53.75	TRANSITIONAL	18.39	REMOVE/TRIM
319	GROUP 1	TREE	2/12/2019	134.34	190.79	56.45	TRANSITIONAL	4.72	REMOVE/TRIM
320	GROUP 1	TREE	2/12/2019	134.14	169.20	35.06	TRANSITIONAL	21.95	REMOVE/TRIM
323	GROUP 1	TREE	2/12/2019	134.15	213.13	78.98	TRANSITIONAL	12.60	REMOVE/TRIM
329	GROUP 1	TREE	2/12/2019	134.14	176.05	41.91	TRANSITIONAL	21.34	REMOVE/TRIM
334	GROUP 1	TREE	2/12/2019	134.1	166.07	31.97	TRANSITIONAL	18.19	REMOVE/TRIM
442	GROUP 1	TREE	2/12/2019	133.46	176.12	42.66	TRANSITIONAL	25.69	REMOVE/TRIM
223	GROUP 2	TREE	2/12/2019	128.9	196.76	67.86	TRANSITIONAL	32.93	REMOVE/TRIM
224	GROUP 2	TREE	2/12/2019	129.44	178.49	49.05	TRANSITIONAL	38.85	REMOVE/TRIM
641	GROUP 2	TREE	2/12/2019	128.39	195.46	67.07	TRANSITIONAL	13.38	REMOVE/TRIM
642	GROUP 2	TREE	2/12/2019	130.04	194.96	64.92	TRANSITIONAL	40.94	REMOVE/TRIM
643	GROUP 2	TREE	2/12/2019	130.3	187.38	57.08	TRANSITIONAL	54.34	REMOVE/TRIM
645	GROUP 2	TREE	2/12/2019	129.83	190.79	60.96	TRANSITIONAL	21.75	REMOVE/TRIM
646	GROUP 2	TREE	2/12/2019	130.03	185.23	55.20	TRANSITIONAL	44.02	REMOVE/TRIM
647	GROUP 2	TREE	2/12/2019	129.24	183.34	54.10	TRANSITIONAL	18.79	REMOVE/TRIM
648	GROUP 2	TREE	2/12/2019	128.14	175.01	46.87	TRANSITIONAL	10.06	REMOVE/TRIM
610	GROUP 3	TREE	2/12/2019	122.56	204.80	82.24	TRANSITIONAL	20.80	REMOVE/TRIM
611	GROUP 3	TREE	2/12/2019	124.92	198.74	73.82	TRANSITIONAL	39.81	REMOVE/TRIM
612	GROUP 3	TREE	2/12/2019	114.46	201.77	87.31	TRANSITIONAL	37.99	REMOVE/TRIM
613	GROUP 3	TREE	2/12/2019	114.49	194.70	80.21	TRANSITIONAL	21.53	REMOVE/TRIM
614	GROUP 3	TREE	2/12/2019	114.26	189.65	75.39	TRANSITIONAL	42.21	REMOVE/TRIM
615	GROUP 3	TREE	2/12/2019	114.3	200.26	85.96	TRANSITIONAL	52.41	REMOVE/TRIM
616	GROUP 3	TREE	2/12/2019	118.72	195.21	76.49	TRANSITIONAL	55.19	REMOVE/TRIM
617	GROUP 3	TREE	2/12/2019	114.47	195.71	81.24	TRANSITIONAL	6.93	REMOVE/TRIM
618	GROUP 3	TREE	2/12/2019	116.8	191.67	74.87	TRANSITIONAL	0.12	REMOVE/TRIM
620	GROUP 3	TREE	2/12/2019	114.28	190.66	76.38	TRANSITIONAL	26.15	REMOVE/TRIM
621	GROUP 3	TREE	2/12/2019	116.09	169.96	53.87	TRANSITIONAL	36.13	REMOVE/TRIM
649	GROUP 3	TREE	2/12/2019	126.17	191.17	65.00	TRANSITIONAL	9.85	REMOVE/TRIM
381	N/A	TREE	2/12/2019	138.61	187.13	48.52	TRANSITIONAL	9.85	REMOVE/TRIM
384	N/A	TREE	2/12/2019	137.84	180.50	42.66	TRANSITIONAL	4.89	REMOVE/TRIM
531	N/A	TREE	2/12/2019	142.72	219.44	76.72	TRANSITIONAL	3.21	REMOVE/TRIM
629	N/A	TREE	2/12/2019	137.13	188.86	51.73	TRANSITIONAL	4.31	REMOVE/TRIM
691	N/A	SIGN	2/12/2019	133.08	136.63	3.55	TRANSITIONAL	2.33	REMOVE/TRIM
765	N/A	STREET SIGN	2/12/2019	131.13	138.12	6.99	TRANSITIONAL	2.79	REMOVE
766	N/A	FENCE	2/12/2019	130.06	138.04	7.98	TRANSITIONAL	6.35	RELOCATE

NOTES:

1. 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:

1.1. A HEIGHT OF FIVE HUNDRED (500) FEET ABOVE GROUND LEVEL AT THE SITE OF THE OBJECT ANYWHERE IN THE STATE.

1.2. 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 HELIPORTS, 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.

1.3. 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.

1.4. 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.

1.5. 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.

2. CHAPTER 333 OF TITLE XXV - SECTIONS 01 THROUGH 135 OF THE 2018 FLORIDA STATUTES CONTAINS FURTHER INFORMATION REGARDING THE PROTECTION OF LAND USE WITHIN AIRPORT AIRSPACE.

3. FAR PART 77 IMAGINARY SURFACES ARE AS SHOWN ON THESE SHEETS FOR LAKELAND LINDER INTERNATIONAL AIRPORT (LAL). THESE SURFACES ARE DEPICTED BASED UPON ULTIMATE AIRPORT DEVELOPMENT PER FAA ARP STANDARD OPERATING PROCEDURE 2.00.

4. SUPPLEMENTAL GROUND TOPOGRAPHY DATA WAS DERIVED FROM ASTER GLOBAL DIGITAL ELEVATION MODEL (GDEM) V2 30M DEM DATA. ASTER GDEM IS A PRODUCT OF THE MINISTRY OF ECONOMY, TRADE, AND INDUSTRY OF JAPAN (METI) AND THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION'S (NASA) LAND PROCESSES DISTRIBUTED ACTIVE ARCHIVE CENTER (LP DAAC)

RUNWAY 10R-28L AIRSPACE PENETRATIONS									
OBJECT ID	GROUP	DESCRIPTION	SURVEY DATE	GROUND ELEVATION (MSL)	OBJECT ELEVATION (MSL)	OBJECT ELEVATION (AGL)	SURFACE BEING PENETRATED	EXTENT OF PENETRATION	PROPOSED DISPOSITION
222	GROUP 1	TREE	2/12/2019	128.69	173.26	44.57	TRANSITIONAL	43.45	REMOVE/TRIM
229	GROUP 1	TREE	2/12/2019	126.46	177.02	50.56	TRANSITIONAL	47.02	REMOVE/TRIM
230	GROUP 1	TREE	2/12/2019	127.48	184.27	56.79	TRANSITIONAL	54.39	REMOVE/TRIM
231	GROUP 1	TREE	2/12/2019	124.71	187.02	62.31	TRANSITIONAL	8.40	REMOVE/TRIM
251	GROUP 1	TREE	2/12/2019	127.95	203.11	75.16	TRANSITIONAL	73.38	REMOVE/TRIM
252	GROUP 1	TREE	2/12/2019	128.09	190.99	62.90	TRANSITIONAL	61.23	REMOVE/TRIM
253	GROUP 1	TREE	2/12/2019	128.04	190.61	62.57	TRANSITIONAL	60.76	REMOVE/TRIM
254	GROUP 1	TREE	2/12/2019	127.11	183.29	56.18	TRANSITIONAL	53.31	REMOVE/TRIM
255	GROUP 1	TREE	2/12/2019	126.38	188.21	61.83	TRANSITIONAL	58.26	REMOVE/TRIM
256	GROUP 1	TREE	2/12/2019	127.32	198.69	71.37	TRANSITIONAL	68.86	REMOVE/TRIM
258	GROUP 1	TREE	2/12/2019	126.19	185.31	59.12	TRANSITIONAL	44.59	REMOVE/TRIM
278	GROUP 1	TREE	2/12/2019	126.75	176.37	49.62	TRANSITIONAL	32.62	REMOVE/TRIM
428	GROUP 1	TREE	2/12/2019	128.79	185.48	56.69	TRANSITIONAL	55.74	REMOVE/TRIM
517	GROUP 1	TREE	2/12/2019	123.85	172.18	48.33	TRANSITIONAL	41.98	REMOVE/TRIM
518	GROUP 1	TREE	2/12/2019	124.85	181.77	56.92	TRANSITIONAL	51.69	REMOVE/TRIM
519	GROUP 1	TREE	2/12/2019	127.15	206.01	78.86	TRANSITIONAL	76.22	REMOVE/TRIM
524	GROUP 1	TREE	2/12/2019	125.26	186.06	60.80	TRANSITIONAL	3.66	REMOVE/TRIM
644	GROUP 1	TREE	2/12/2019	129.1	183.59	54.49	TRANSITIONAL	53.87	REMOVE/TRIM
225	GROUP 2	TREE	2/12/2019	125.77	175.93	50.16	TRANSITIONAL	45.30	REMOVE/TRIM
226	GROUP 2	TREE	2/12/2019	124.25	177.13	52.88	TRANSITIONAL	46.40	REMOVE/TRIM
227	GROUP 2	TREE	2/12/2019	119.87	176.23	56.36	TRANSITIONAL	45.99	REMOVE/TRIM
228	GROUP 2	TREE	2/12/2019	122.49	181.33	58.84	TRANSITIONAL	50.92	REMOVE/TRIM
259	GROUP 2	TREE	2/12/2019	123.32	178.87	55.55	TRANSITIONAL	48.35	REMOVE/TRIM
260	GROUP 2	TREE	2/12/2019	125.95	186.44	60.49	TRANSITIONAL	55.71	REMOVE/TRIM
261	GROUP 2	TREE	2/12/2019	123.6	172.68	49.08	TRANSITIONAL	41.81	REMOVE/TRIM
277	GROUP 2	TREE	2/12/2019	124.18	178.66	54.48	TRANSITIONAL	47.97	REMOVE/TRIM
504	GROUP 2	TREE	2/12/2019	124.5	185.68	61.18	TRANSITIONAL	54.84	REMOVE/TRIM
505	GROUP 2	TREE	2/12/2019	124.34	194.02	69.68	TRANSITIONAL	63.41	REMOVE/TRIM
506	GROUP 2	TREE	2/12/2019	123.52	187.83	64.31	TRANSITIONAL	57.25	REMOVE/TRIM
507	GROUP 2	TREE	2/12/2019	120.84	177.23	56.39	TRANSITIONAL	46.16	REMOVE/TRIM
508	GROUP 2	TREE	2/12/2019	118.55	183.03	64.48	TRANSITIONAL	24.54	REMOVE/TRIM
509	GROUP 2	TREE	2/12/2019	121.35	184.55	63.20	TRANSITIONAL	54.20	REMOVE/TRIM
510	GROUP 2	TREE	2/12/2019	119.67	185.81	66.14	TRANSITIONAL	55.54	REMOVE/TRIM
511	GROUP 2	TREE	2/12/2019	120.36	190.86	70.50	TRANSITIONAL	60.53	REMOVE/TRIM
512	GROUP 2	TREE	2/12/2019	117.55	200.96	83.41	TRANSITIONAL	47.70	REMOVE/TRIM
513	GROUP 2	TREE	2/12/2019	113.86	187.33	73.47	TRANSITIONAL	1.65	REMOVE/TRIM
514	GROUP 2	TREE	2/12/2019	116.51	188.84	72.33	TRANSITIONAL	18.02	REMOVE/TRIM
515	GROUP 2	TREE	2/12/2019	119.34	173.69	54.35	TRANSITIONAL	30.00	REMOVE/TRIM
516	GROUP 2	TREE	2/12/2019	121.31	182.28	60.97	TRANSITIONAL	52.09	REMOVE/TRIM
609	GROUP 2	TREE	2/12/2019	123.32	177.53	54.21	TRANSITIONAL	47.04	REMOVE/TRIM
262	GROUP 3	TREE	2/12/2019	110.44	196.92	86.48	TRANSITIONAL	65.78	REMOVE/TRIM
263	GROUP 3	TREE	2/12/2019	121.37	166.75	45.38	TRANSITIONAL	35.35	REMOVE/TRIM
264	GROUP 3	TREE	2/12/2019	112.13	190.23	78.10	TRANSITIONAL	59.11	REMOVE/TRIM
265	GROUP 3	TREE	2/12/2019	110.3	191.74	81.44	TRANSITIONAL	50.68	REMOVE/TRIM
266	GROUP 3	TREE	2/12/2019	111.08	194.77	83.69	TRANSITIONAL	26.00	REMOVE/TRIM
267	GROUP 3	TREE	2/12/2019	112.15	193.26	81.11	TRANSITIONAL	1.49	REMOVE/TRIM
268	GROUP 3	TREE	2/12/2019	115.19	189.47	74.28	TRANSITIONAL	32.40	REMOVE/TRIM
269	GROUP 3	TREE	2/12/2019	116.84	191.37	74.53	TRANSITIONAL	54.99	REMOVE/TRIM
270	GROUP 3	TREE	2/12/2019	115.26	189.47	74.21	TRANSITIONAL	35.96	REMOVE/TRIM
271	GROUP 3	TREE	2/12/2019	116.14	185.68	69.54	TRANSITIONAL	54.46	REMOVE/TRIM
272	GROUP 3	TREE	2/12/2019	120.51	180.13	59.62	TRANSITIONAL	20.50	REMOVE/TRIM
273	GROUP 3	TREE	2/12/2019	114.42	188.84	74.42	TRANSITIONAL	30.32	REMOVE/TRIM
275	GROUP 3	TREE	2/12/2019	114.07	183.41	69.34	TRANSITIONAL	10.36	REMOVE/TRIM
276	GROUP 3	TREE	2/12/2019	116.61	164.10	47.49	TRANSITIONAL	32.87	REMOVE/TRIM
503	GROUP 3	TREE	2/12/2019	117.69	195.28	77.59	TRANSITIONAL	64.26	REMOVE/TRIM
619	GROUP 3	TREE	2/12/2019	117.72	168.44	50.72	TRANSITIONAL	37.02	REMOVE/TRIM
243	N/A	TREE	2/12/2019	123.31	195.66	72.35	TRANSITIONAL	2.76	REMOVE/TRIM
287	N/A	TREE	2/12/2019	134.48	192.55	58.07	TRANSITIONAL	3.25	REMOVE/TRIM
290	N/A	TREE	2/12/2019	134.57	186.99	52.42	TRANSITIONAL	8.41	REMOVE/TRIM
527	N/A	TREE	2/12/2019	124.9	182.02	57.12	TRANSITIONAL	9.72	REMOVE/TRIM
753	N/A	POLE UTIL	2/12/2019	126.26	157.21	30.95	TRANSITIONAL	27.11	REMOVE/LIGHT
675	N/A	CELL TOWER	2/12/2019	137.98	294.63	156.64	HORIZONTAL	2.63	LIGHT

REVISIONS	
DATE	DESCRIPTION

CLIENT



PROJECT

AIRPORT MASTER PLAN UPDATE

LAKELAND LINDER INTERNATIONAL AIRPORT
LAKELAND, FLORIDA

SHEET TITLE

AIRPORT AIRSPACE - 3



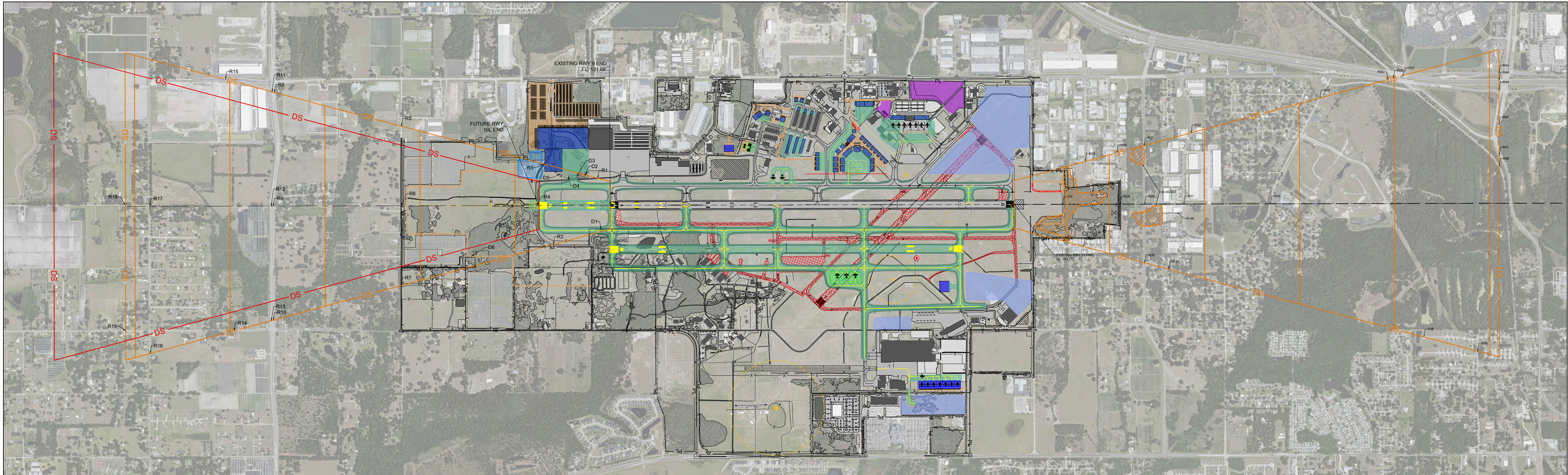
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4030 West Boy Scout Blvd. Suite 700 Tampa, Florida 33607 Tel. (321) 775-6231 www.atkinsglobal.com/northamerica

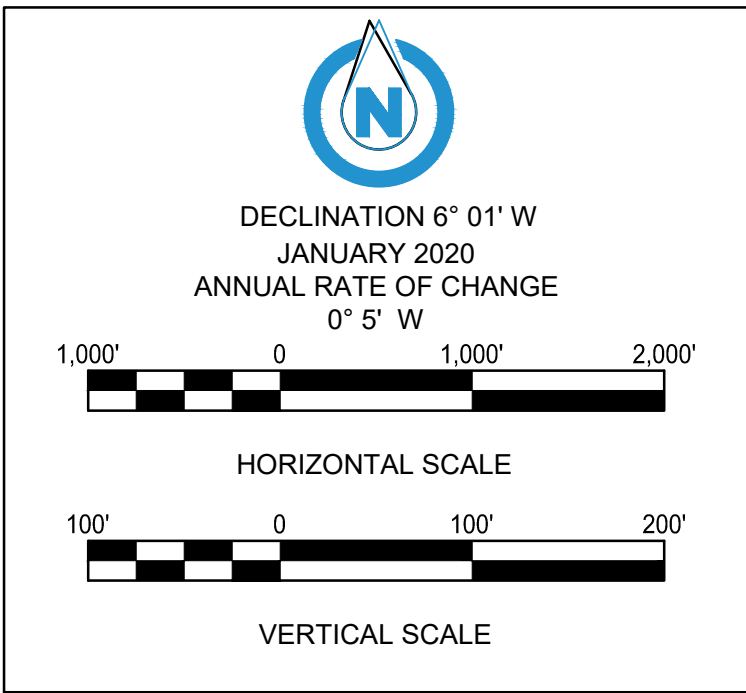
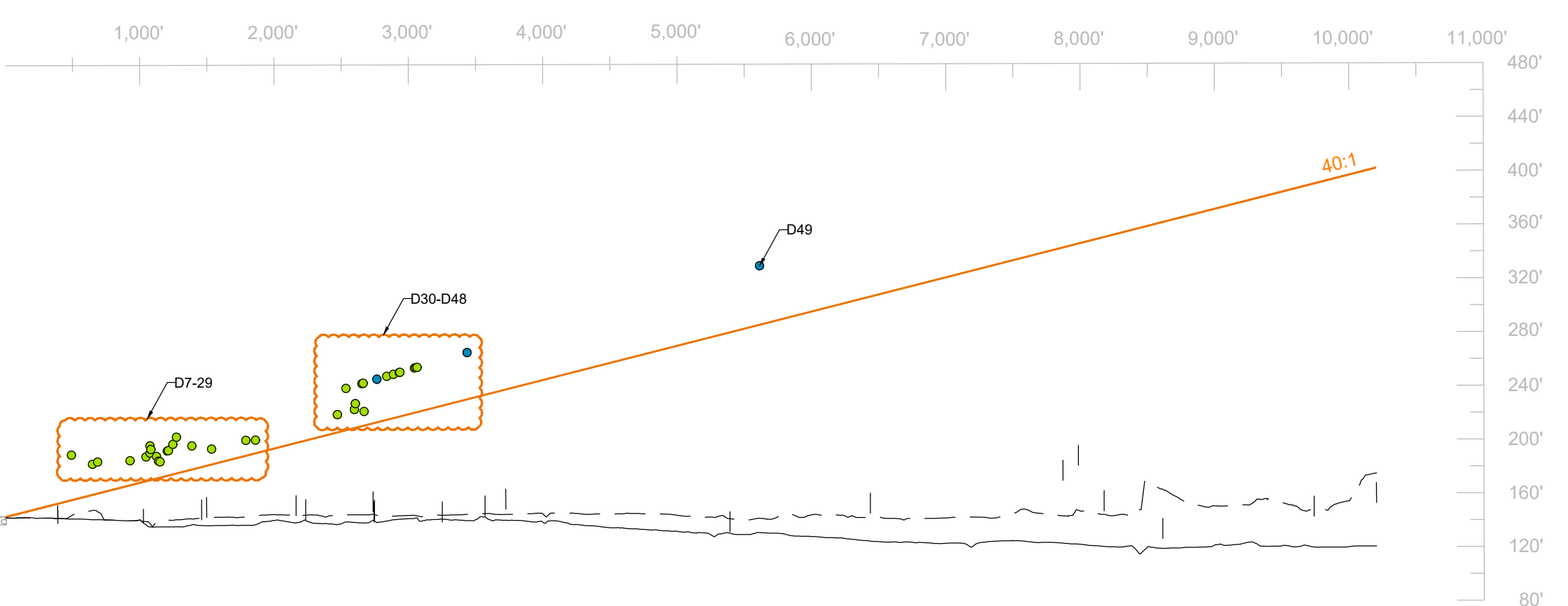
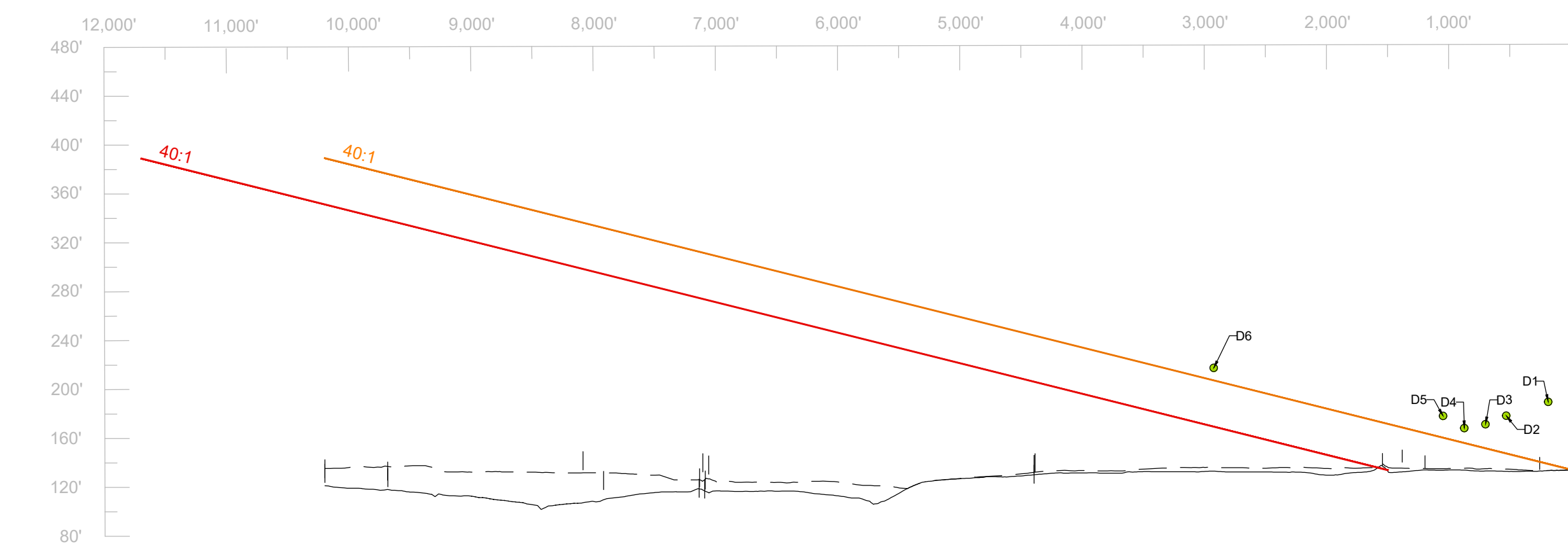
JOB NO.: 100057734
DRAWN: KK, CH
DESIGN: KK, CH
CHECKED: GF
DATE: AUGUST 2020

SHEET 16 OF 23

\\flamb01\000\aviation\05_Projects\Lakeland Under Regional Airport (LAL) 10057734 LAL AMP\A\WP\1-13_LAL_DEP.dwg Aug 17 2020 12:54pm Plotted By: HSK\65897



RUNWAY 9-27
(ULTIMATE 10L-28R)



LEGEND		
EXISTING	PROPOSED	DESCRIPTION
		40:1 DEPARTURE SURFACE
	NA	COMPOSITE GROUND PROFILE ¹
	NA	EXTENDED CENTERLINE PROFILE
	NA	PROPERTY LINE
	NA	RUNWAY
NA		PROPOSED AIRFIELD PAVEMENT
NA		PROPOSED BUILDINGS
	SAME	VEGETATION PENETRATIONS TO 40:1 DEPARTURE SURFACE
	SAME	OTHER PENETRATIONS TO 40:1 DEPARTURE SURFACE
	NA	ROADWAY INTERSECTIONS ^{2,3}
	NA	WATERWAY INTERSECTIONS TO EXTENDED RUNWAY CENTERLINE
	NA	CLUSTERED DEPARTURE SURFACE PENETRATIONS

1. THE COMPOSITE CRITICAL GROUND PROFILE FOR EACH SURFACE WAS GENERATED FROM THE CRITICAL GROUND PROFILES OF ALIGNMENTS SET AT SPECIFIC INTERVALS WITHIN THE SURFACE ALONG THE SURVEYED GROUND TOPOGRAPHY.
2. ROADWAY INTERSECTIONS SHOWN REPRESENT ESTIMATED ROADWAY CENTERLINE INTERSECTIONS WITH THE EXTENDED RUNWAY CENTERLINE FOR MAJOR ROADWAYS ONLY. MINOR ROADWAYS WERE EVALUATED AND DETERMINED TO NEED NO REPRESENTATION.
3. ALL PRIVATE ROADS/ROADWAYS/INTERSTATES/RAILROADS/WATERWAYS ARE DEPICTED 10/15/17/23/23 FEET HIGHER, RESPECTIVELY, THAN THE SURVEYED LOCATION PER FAA SOP NO. 200.

REVISIONS	
DATE	DESCRIPTION

CLIENT

PROJECT

AIRPORT MASTER PLAN UPDATE

LAKELAND LINDER INTERNATIONAL AIRPORT
LAKELAND, FLORIDA

SHEET TITLE

DEPARTURE SURFACE
DRAWING RUNWAY 9-27

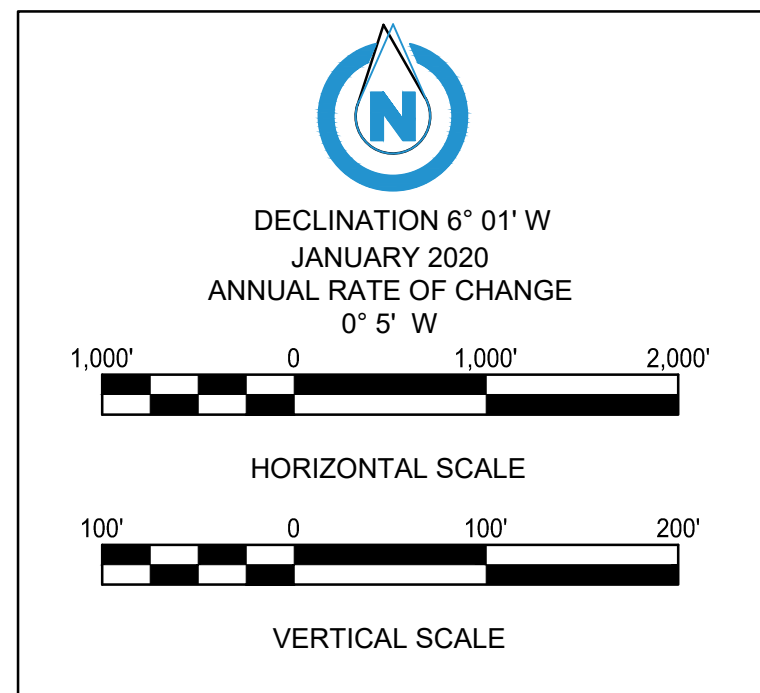
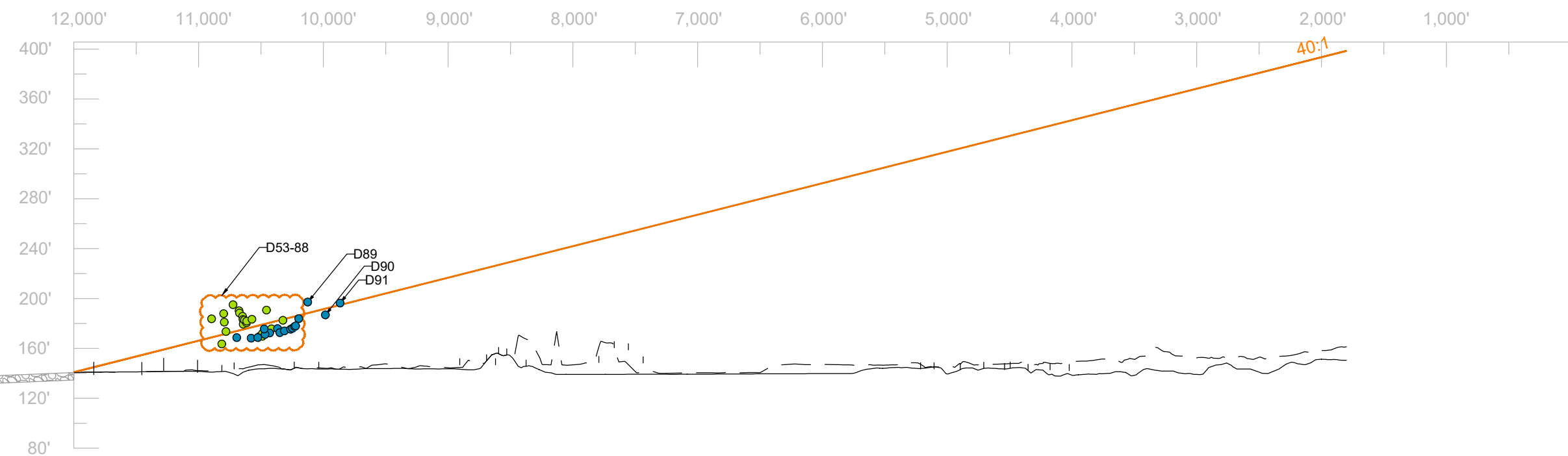
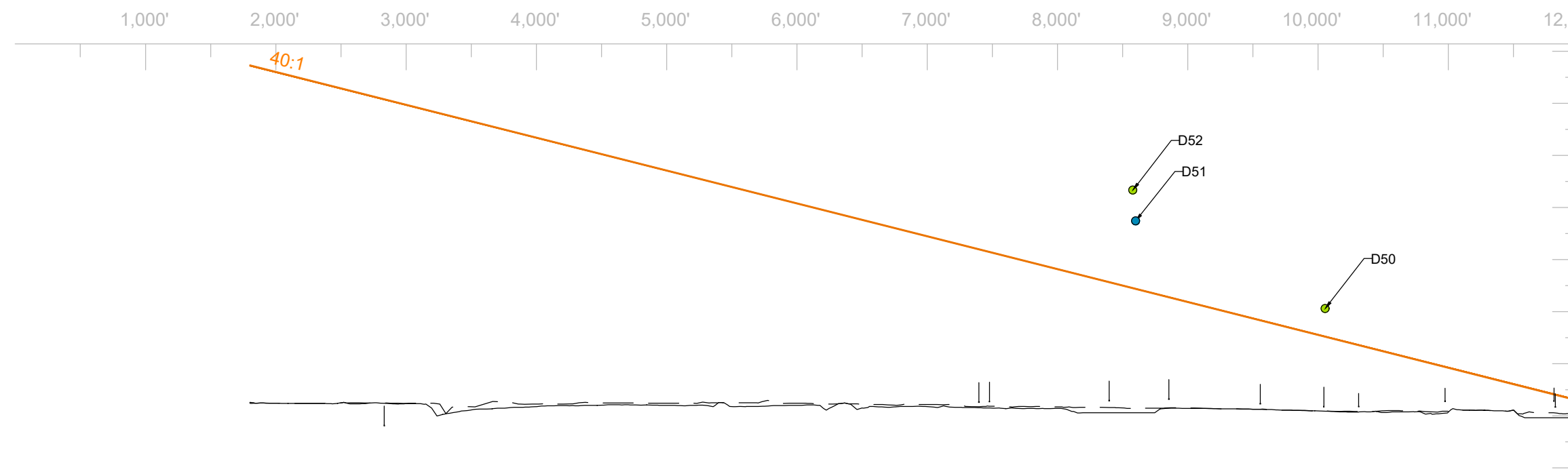
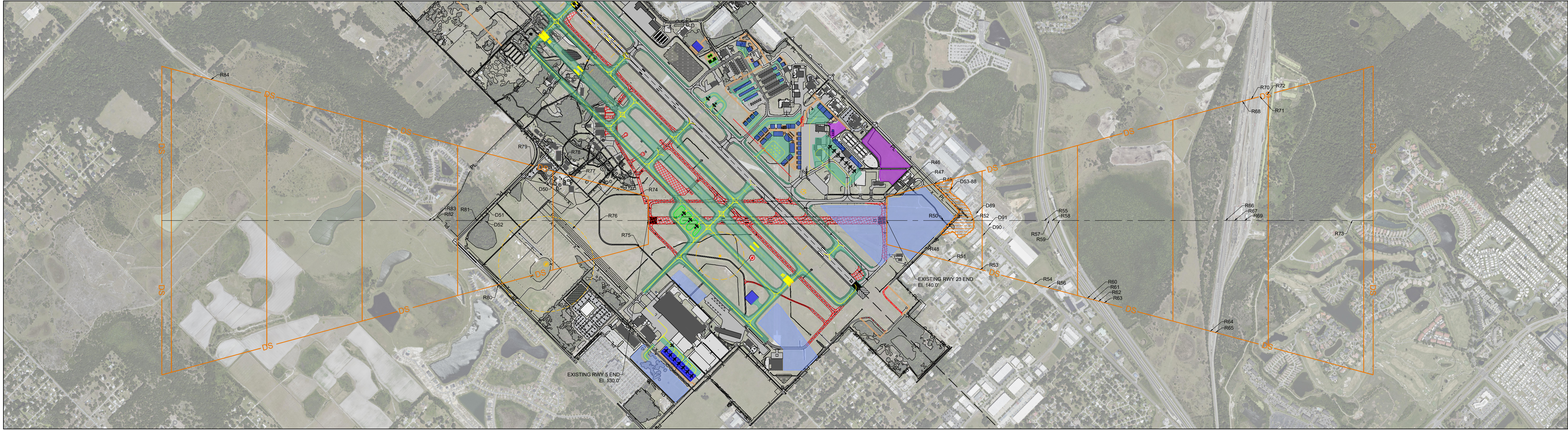
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JOB NO.: 10057734
DRAWN: KK, CH
DESIGN: KK, CH
CHECKED: GF
DATE: AUGUST 2020

SHEET 17 OF 23

\\flamb01\000\aviation\05_Projects\Lakeland Under Regional Airport (LAL) 10057734 LAL AMP\A\WP\1-13_LAL_DEP.dwg Aug 17 2020 1:03pm Plotted By: HASKINS97



LEGEND		
EXISTING	PROPOSED	DESCRIPTION
		40:1 DEPARTURE SURFACE
	NA	COMPOSITE GROUND PROFILE ¹
	NA	EXTENDED CENTERLINE PROFILE
	NA	PROPERTY LINE
	NA	RUNWAY
NA		PROPOSED AIRFIELD PAVEMENT
NA		PROPOSED BUILDINGS
	SAME	VEGETATION PENETRATIONS TO 40:1 DEPARTURE SURFACE
	SAME	OTHER PENETRATIONS TO 40:1 DEPARTURE SURFACE
	NA	ROADWAY INTERSECTIONS ^{2,3}
	NA	WATERWAY INTERSECTIONS TO EXTENDED RUNWAY CENTERLINE
	NA	CLUSTERED DEPARTURE SURFACE PENETRATIONS

1. THE COMPOSITE CRITICAL GROUND PROFILE FOR EACH SURFACE WAS GENERATED FROM THE CRITICAL GROUND PROFILES OF ALIGNMENTS SET AT SPECIFIC INTERVALS WITHIN THE SURFACE ALONG THE SURVEYED GROUND TOPOGRAPHY.
2. ROADWAY INTERSECTIONS SHOWN REPRESENT ESTIMATED ROADWAY CENTERLINE INTERSECTIONS WITH THE EXTENDED RUNWAY CENTERLINE FOR MAJOR ROADWAYS ONLY. MINOR ROADWAYS WERE EVALUATED AND DETERMINED TO NEED NO REPRESENTATION.
3. ALL PRIVATE ROADS/ROADWAYS/INTERSTATES/RAILROADS/WATERWAYS ARE DEPICTED 10/15/17/23/23 FEET HIGHER, RESPECTIVELY, THAN THE SURVEYED LOCATION PER FAA SOP NO. 200.

REVISIONS	
DATE	DESCRIPTION

CLIENT



Lakeland Linder International Airport

PROJECT

AIRPORT MASTER PLAN UPDATE

LAKELAND LINDER INTERNATIONAL AIRPORT
LAKELAND, FLORIDA

SHEET TITLE

DEPARTURE SURFACE
DRAWING RUNWAY 5-23

ATKINS

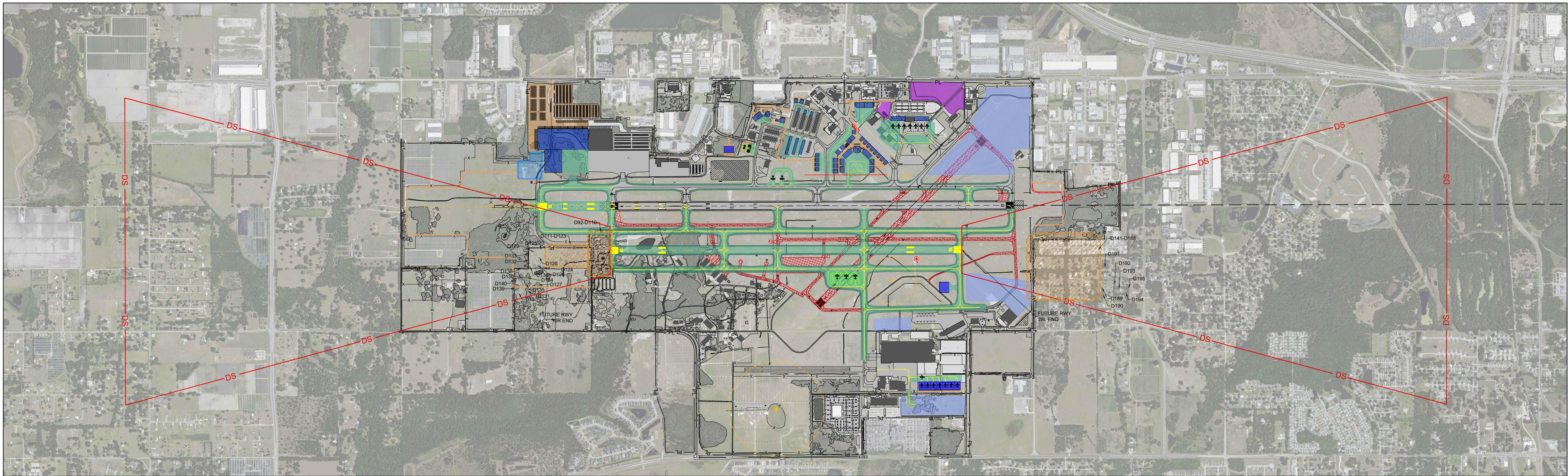
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Suite 700
Tampa, Florida 33607
www.atkinsglobal.com/northamerica

JOB NO.: 10057734
DRAWN: KK, CH
DESIGN: KK, CH
CHECKED: GF
DATE: AUGUST 2020

SHEET 18 OF 23

\\flamb01\000\aviation\05_Plan\Projects\Lakeland Under Regional Airport (LAL) 10057734 LAL AMP\WP\11-13_LAL_DEP.dwg Aug 17 2020 - 1:05pm Plotted By: HASKINS97



\\05_P\Projects\Lakeland Under Regional Airport (LAL)\10057734 LAL AMP\A\MP\11-13_LAL_DEP.dwg Aug 11 2020 1:57pm Plotter By: HSK65937

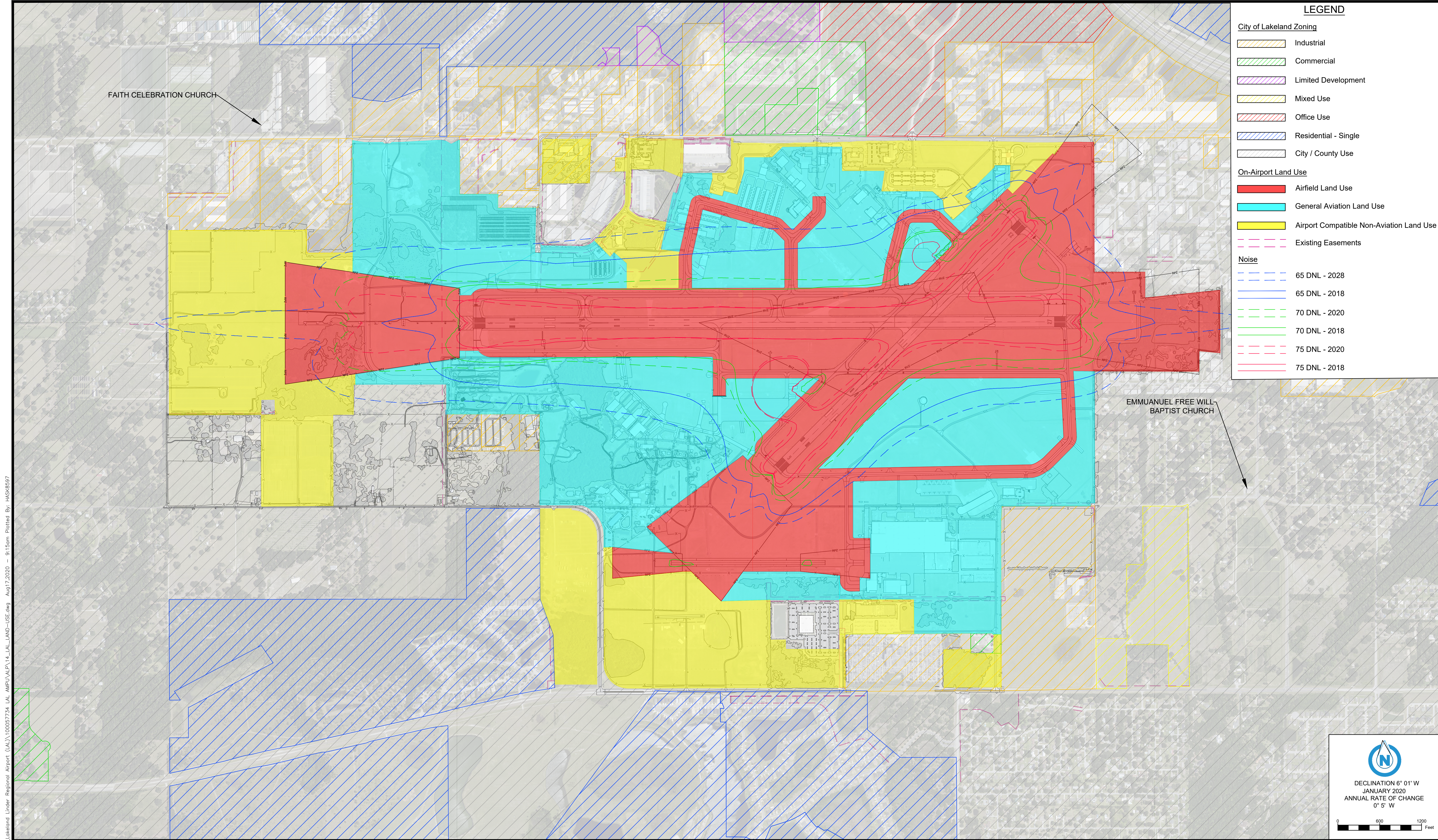
RUNWAY 5 SIGNIFICANT OBJECT TABLE								
OBJECT ID	DESCRIPTION	SURVEY DATE	EXISTING 40:1 DEPARTURE SURFACE PENETRATION	GROUND ELEVATION (MSL)	OBJECT ELEVATION (MSL)	OBJECT ELEVATION (AGL)	TRIGGERING EVENT	PROPOSED DISPOSITION
D-50	TREE	2/12/2019	22.12	125.65	200.92	75.27	NONE	REMOVE/TRIM
D-51	POLE	2/12/2019	52.92	127.97	268.09	140.12	NONE	REMOVE
D-52	TREE	2/12/2019	76.07	128.08	291.78	163.70	NONE	REMOVE/TRIM

RUNWAY 23 SIGNIFICANT OBJECT TABLE								
OBJECT ID	DESCRIPTION	SURVEY DATE	EXISTING 40:1 DEPARTURE SURFACE PENETRATION	GROUND ELEVATION (MSL)	OBJECT ELEVATION (MSL)	OBJECT ELEVATION (AGL)	TRIGGERING EVENT	PROPOSED DISPOSITION
D-53	TREE	2/12/2019	15.07	143.09	183.78	40.69	NONE	REMOVE/TRIM
D-54	TREE	2/12/2019	-7.15	140.42	163.61	23.19	NONE	REMOVE/TRIM
D-55	TREE	2/12/2019	16.76	140.55	187.88	47.33	NONE	REMOVE/TRIM
D-56	TREE	2/12/2019	9.83	141.51	181.07	39.56	NONE	REMOVE/TRIM
D-57	TREE	2/12/2019	1.90	141.99	173.49	31.50	NONE	REMOVE/TRIM
D-58	TREE	2/12/2019	21.98	142.89	195.01	52.12	NONE	REMOVE/TRIM
D-59	BUILDING	2/12/2019	-5.11	144.11	168.63	24.52	NONE	LIGHT
D-60	TREE	2/12/2019	16.00	142.6	190.21	47.61	NONE	REMOVE/TRIM
D-61	TREE	2/12/2019	14.14	142.34	188.45	46.11	NONE	REMOVE/TRIM
D-62	TREE	2/12/2019	10.68	143.33	185.63	42.30	NONE	REMOVE/TRIM
D-63	TREE	2/12/2019	8.28	143.09	183.28	40.19	NONE	REMOVE/TRIM
D-64	TREE	2/12/2019	4.29	143.42	179.35	35.93	NONE	REMOVE/TRIM
D-65	TREE	2/12/2019	7.35	143.39	182.67	39.28	NONE	REMOVE/TRIM
D-66	TREE	2/12/2019	4.80	143.38	180.53	37.15	NONE	LIGHT
D-67	TREE	2/12/2019	6.15	143.42	181.92	38.50	NONE	REMOVE/TRIM
D-68	POLE	2/12/2019	-8.39	143.35	168.25	24.90	NONE	REMOVE/LIGHT
D-69	TREE	2/12/2019	6.62	142.57	183.40	40.83	NONE	REMOVE/TRIM
D-70	POLE	2/12/2019	-9.35	143.45	168.64	25.19	NONE	REMOVE/LIGHT
D-71	TREE	2/12/2019	-8.62	142.93	169.75	26.82	NONE	REMOVE/TRIM
D-72	TREE	2/12/2019	-9.20	143.32	169.70	26.38	NONE	REMOVE/TRIM
D-73	TREE	2/12/2019	-6.85	143.58	172.10	28.52	NONE	REMOVE/TRIM
D-74	POLE	2/12/2019	-3.72	143.43	175.56	32.13	NONE	REMOVE/LIGHT
D-75	POLE	2/12/2019	-8.32	143.08	171.14	28.06	NONE	REMOVE/LIGHT
D-76	TREE	2/12/2019	11.01	143.72	190.72	47.00	NONE	REMOVE/TRIM
D-77	TREE	2/12/2019	-6.25	143.7	173.95	30.25	NONE	REMOVE/TRIM
D-78	POLE	2/12/2019	-7.94	143.44	172.40	28.96	NONE	REMOVE/LIGHT
D-79	TREE	2/12/2019	-4.98	143.19	175.75	32.56	NONE	REMOVE/TRIM
D-80	POLE	2/12/2019	-6.02	144.05	175.93	31.88	NONE	REMOVE/LIGHT
D-81	POLE	2/12/2019	-9.76	143.42	172.62	29.20	NONE	REMOVE/LIGHT
D-82	TREE	2/12/2019	-0.52	143.6	182.50	38.90	NONE	REMOVE/TRIM
D-83	POLE	2/12/2019	-9.24	144.66	174.06	29.40	NONE	REMOVE/LIGHT
D-84	POLE	2/12/2019	-9.13	144.76	175.43	30.67	NONE	REMOVE/LIGHT
D-85	STREET SIGN	2/12/2019	-8.80	144.58	176.14	31.56	NONE	REMOVE/LIGHT
D-86	POLE	2/12/2019	-7.90	144.48	177.45	32.97	NONE	REMOVE/LIGHT
D-87	POLE	2/12/2019	-7.58	144.28	177.95	33.67	NONE	REMOVE/LIGHT
D-88	POLE	2/12/2019	-2.35	144.08	183.81	39.73	NONE	REMOVE/LIGHT
D-89	BUILDING	2/12/2019	9.14	143.26	197.12	53.86	NONE	LIGHT
D-90	POLE	2/12/2019	-4.63	143.59	186.88	43.29	NONE	REMOVE/LIGHT
D-91	BUILDING	2/12/2019	1.92	143.41	196.37	52.96	NONE	LIGHT

RUNWAY 9 SIGNIFICANT OBJECT TABLE									
OBJECT ID	DESCRIPTION	SURVEY DATE	EXISTING 40:1 DEPARTURE SURFACE PENETRATION	FUTURE 40:1 DEPARTURE SURFACE PENETRATION	GROUND ELEVATION (MSL)	OBJECT ELEVATION (MSL)	OBJECT ELEVATION (AGL)	TRIGGERING EVENT	PROPOSED DISPOSITION
D-1	TREE	2/12/2019	50.91	N/A	130.30	187.38	57.08	NONE	REMOVE/TRIM
D-2	TREE	2/12/2019	31.06	N/A	133.46	176.12	42.66	NONE	REMOVE/TRIM
D-3	TREE	2/12/2019	19.90	N/A	134.14	169.20	35.06	NONE	REMOVE/TRIM
D-4	TREE	2/12/2019	12.44	N/A	134.10	166.07	31.97	NONE	REMOVE/TRIM
D-5	TREE	2/12/2019	18.08	N/A	134.14	176.05	41.91	NONE	REMOVE/TRIM
D-6	TREE	2/12/2019	10.84	48.03	128.38	215.69	87.31	NONE	REMOVE/TRIM

RUNWAY 27 SIGNIFICANT OBJECT TABLE								
OBJECT ID	DESCRIPTION	SURVEY DATE	EXISTING 40:1 DEPARTURE SURFACE PENETRATION	GROUND ELEVATION (MSL)	OBJECT ELEVATION (MSL)	OBJECT ELEVATION (AGL)	TRIGGERING EVENT	PROPOSED DISPOSITION
D-7	TREE	2/12/2019	33.44	134.91	187.37	52.46	NONE	REMOVE/TRIM
D-8	TREE	2/12/2019	22.89	134.62	180.55	45.93	NONE	REMOVE/TRIM
D-9	TREE	2/12/2019	23.51	134.62	182.32	47.70	NONE	REMOVE/TRIM
D-10	TREE	2/12/2019	18.37	136.95	183.21	46.26	NONE	REMOVE/TRIM
D-11	TREE	2/12/2019	18.15	135.15	185.98	50.83	NONE	REMOVE/TRIM
D-12	TREE	2/12/2019	25.60	136.39	194.16	57.77	NONE	REMOVE/TRIM
D-13	TREE	2/12/2019	25.60	136.39	194.16	57.77	NONE	REMOVE/TRIM
D-14	TREE	2/12/2019	20.29	137.13	188.86	51.73	NONE	REMOVE/TRIM
D-15	TREE	2/12/2019	20.29	137.13	188.86	51.73	NONE	REMOVE/TRIM
D-16	TREE	2/12/2019	22.77	136.67	191.51	54.84	NONE	REMOVE/TRIM
D-17	TREE	2/12/2019	22.77	136.67	191.51	54.84	NONE	REMOVE/TRIM
D-18	TREE	2/12/2019	16.56	137.46	186.36	48.90	NONE	REMOVE/TRIM
D-19	TREE	2/12/2019	12.63	134.97	182.79	47.82	NONE	REMOVE/TRIM
D-20	TREE	2/12/2019	11.81	134.53	182.23	47.70	NONE	REMOVE/TRIM
D-21	TREE	2/12/2019	18.59	135.17	190.36	55.19	NONE	REMOVE/TRIM
D-22	TREE	2/12/2019	18.65	139.6	190.65	51.05	NONE	REMOVE/TRIM
D-23	TREE	2/12/2019	18.65	139.6	190.65	51.05	NONE	REMOVE/TRIM
D-24	TREE	2/12/2019	22.47	134.58	195.29	60.71	NONE	REMOVE/TRIM
D-25	TREE	2/12/2019	27.09	134.74	200.59	65.85	NONE	REMOVE/TRIM
D-26	TREE	2/12/2019	17.80	134.57	194.15	59.58	NONE	REMOVE/TRIM
D-27	TREE	2/12/2019	11.73	136.37	191.75	55.38	NONE	REMOVE/TRIM
D-28	TREE	2/12/2019	11.76	136.55	198.19	61.64	NONE	REMOVE/TRIM
D-29	TREE	2/12/2019	10.12	141.45	198.32	56.87	NONE	REMOVE/TRIM
D-30	TREE	2/12/2019	13.72	142.7	217.17	74.47	NONE	REMOVE/TRIM
D-31	TREE	2/12/2019	13.72	142.7	217.17	74.47	NONE	REMOVE/TRIM
D-32	TREE	2/12/2019	31.61	138.57	236.68	98.09	NONE	REMOVE/TRIM
D-33	TREE	2/12/2019	14.35	143.34	220.96	77.62	NONE	REMOVE/TRIM
D-34	TREE	2/12/2019	14.35	143.34	220.96	77.62	NONE	REMOVE/TRIM
D-35	TREE	2/12/2019	18.49	144.97	225.27	80.30	NONE	REMOVE/TRIM
D-36	TREE	2/12/2019	18.49	144.97	225.27	80.30	NONE	REMOVE/TRIM
D-37	TREE	2/12/2019	32.13	139.37	240.13	100.76	NONE	REMOVE/TRIM
D-38	TREE	2/12/2019	32.18	139.71	240.44	100.73	NONE	REMOVE/TRIM
D-39	TREE	2/12/2019	11.02	142.72	219.44	76.72	NONE	REMOVE/TRIM
D-40	POLE	2/12/2019	32.63	139.85	243.45	103.60	NONE	REMOVE/TRIM
D-41	TREE	2/12/2019	32.95	140.2	245.61	105.41	NONE	REMOVE/TRIM
D-42	TREE	2/12/2019	33.17	139.53	247.05	107.52	NONE	REMOVE/TRIM
D-43	TREE	2/12/2019	33.36	139.29	248.35	109.06	NONE	REMOVE/TRIM
D-44	TREE	2/12/2019	33.39	139.92	248.50	108.58	NONE	REMOVE/TRIM
D-45	TREE	2/12/2019	33.86	140.56	251.65	111.09	NONE	REMOVE/TRIM
D-46	TREE	2/12/2019	33.90	139.9	251.96	112.06	NONE	REMOVE/TRIM
D-47	TREE	2/12/2019	33.94	138.72	252.24	113.52	NONE	REMOVE/TRIM
D-48	BUILDING	2/12/2019	35.59	140.77	263.18	122.41	NONE	REMOVE/TRIM
D-49	STEEPLE	2/12/2019	45.20	131.3	327.27	195.97	NONE	REMOVE/TRIM

FUTURE RUNWAY 10R SIGNIFICANT OBJECT TABLE								
OBJECT ID	DESCRIPTION	SURVEY DATE	EXISTING 40:1 DEPARTURE SURFACE PENETRATION	GROUND ELEVATION (MSL)	OBJECT ELEVATION (MSL)	OBJECT ELEVATION (AGL)	TRIGGERING EVENT	PROPOSED DISPOSITION
D-92	TREE	2/12/2019	32.55	127.32	161.79	34.47	NEW RUNWAY	REMOVE/TRIM
D-93	TREE	2/12/2019	43.23	128.69	173.26	44.57	NEW RUNWAY	REMOVE/TRIM
D-94	TREE	2/12/2019	46.42	127.15	176.99	49.84	NEW RUNWAY	REMOVE/TRIM
D-95	TREE	2/12/2019	17.24	128.09	148.85	20.76	NEW RUNWAY	REMOVE/TRIM
D-96	TREE	2/12/2019	53.35	128.79	185.48	56.69	NEW RUNWAY	REMOVE/TRIM
D-97	TREE	2/12/2019	62.77	130.04	194.96	64.92	NEW RUNWAY	REMOVE/TRIM
D-98	TREE	2/12/2019	35.28	127.95	167.72	39.77	NEW RUNWAY	REMOVE/TRIM
D-99	TREE	2/12/2019	50.87	129.10	183.59	54.49	NEW RUNWAY	REMOVE/TRIM
D-100	TREE	2/12/2019	57.39	129.83	190.79	60.96	NEW RUNWAY	REMOVE/TRIM
D-101	TREE	2/12/2019	44.93	129.14	179.50	50.36	NEW RUNWAY	REMOVE/TRIM
D-102	TREE	2/12/2019	49.26	130.29	184.22	53.93	NEW RUNWAY	REMOVE/TRIM
D-103	TREE	2/12/2019	53.65	129.85	189.27	59.42	NEW RUNWAY	REMOVE/TRIM
D-104	TREE	2/12/2019	17.97	128.75	153.88	25.13	NEW RUNWAY	REMOVE/TRIM
D-105	TREE	2/12/2019	41.70	127.90	177.93	50.03	NEW RUNWAY	REMOVE/TRIM
D-106	TREE	2/12/2019	47.98	129.88	186.24	56.36	NEW RUNWAY	REMOVE/TRIM
D-107	TREE	2/12/2019	43.01	130.48	181.43	50.95	NEW RUNWAY	REMOVE/TRIM
D-108	TREE	2/12/2019	63.31	129.83	201.94	72.11	NEW RUNWAY	REMOVE/TRIM
D-109	TREE	2/12/2019	43.27	128.18	183.22	55.04	NEW RUNWAY	REMOVE/TRIM
D-110	TREE	2/12/2019	12.55	128.73	153.06	24.33	NEW RUNWAY	REMOVE/TRIM
D-111	TREE	2/12/2019	45.97	129.31	187.50	58.19	NEW RUNWAY	REMOVE/TRIM
D-112	TREE	2/12/2019	55.71	129.30	200.00	70.70	NEW RUNWAY	REMOVE/TRIM
D-113	TREE	2/12/2019	53.95	129.51	199.62	70.11	NEW RUNWAY	REMOVE/TRIM
D-114	TREE	2/12/2019	10.11	128.95	156.81	27.86	NEW RUNWAY	REMOVE/TRIM
D-115	TREE	2/12/2019	47.81	129.09	196.59	67.50	NEW RUNWAY	REMOVE/TRIM
D-116	TREE	2/12/2019	45.04	129.91	194.32	64.41	NEW RUNWAY	REMOVE/TRIM
D-117	TREE	2/12/2019	8.90	128.69	159.79	31.10	NEW RUNWAY	REMOVE/TRIM
D-118	TREE	2/12/2019	41.04	129.11	194.95	65.84	NEW RUNWAY	REMOVE/TRIM
D-119	TREE	2/12/2019	28.12	128.09	182.45	54.36	NEW RUNWAY	REMOVE/TRIM
D-120	TREE	2/12/2019	18.04	128.33	174.81	46.48	NEW RUNWAY	REMOVE/TRIM
D-121	TREE	2/12/2019	30.20	127.80	189.57	61.77	NEW RUNWAY	REMOVE/TRIM
D-122	TREE	2/12/2019	27.22	126.96	188.00	61.04	NEW RUNWAY	REMOVE/TRIM
D-123	TREE	2/12/2019	18.56	128.08	181.26	53.18	NEW RUNWAY	REMOVE/TRIM
D-124	TREE	2/12/2019	11.13	126.05	174.94	48.89	NEW RUNWAY	REMOVE/TRIM
D-125	TREE	2/12/2019	30.46	128.07	195.70	67.63	NEW RUNWAY	REMOVE/TRIM
D-126	TREE	2/12/2019	25.94	126.71	191.92	65.21	NEW RUNWAY	REMOVE/TRIM
D-127	TREE	2/12/2019	60.98	124.90	227.36	102.46	NEW RUNWAY	REMOVE/TRIM
D-128	TREE	2/12/2019	3.48	125.67	170.06	44.39	NEW RUNWAY	REMOVE/TRIM
D-129	TREE	2/12/2019	23.46	128.11	192.67	64.56	NEW RUNWAY	REMOVE/TRIM
D-130	TREE	2/12/2019	3.26	126.32	174.23	47.91	NEW RUNWAY	REMOVE/TRIM
D-131	TREE	2/12/2019	76.13	123.31	248.11	124.80	NEW RUNWAY	REMOVE/TRIM
D-132	TREE	2/12/2019	10.09	128.49	182.32	53.83	NEW RUNWAY	REMOVE/TRIM
D-133	TREE	2/12/2019	10.47	127.80	182.70	54.90	NEW RUNWAY	REMOVE/TRIM
D-134	TREE	2/12/2019	34.79	124.37	207.20	82.83	NEW RUNWAY	REMOVE/TRIM
D-135	TREE	2/12/2019	54.55	123.80	227.46	103.66	NEW RUNWAY	REMOVE/TRIM
D-136	TREE	2/12/2019	32.92	124.95	208.01	83.06	NEW RUNWAY	REMOVE/TRIM
D-137	TREE	2/12/2019	3.59	127.50	179.65	52.15	NEW RUNWAY	REMOVE/TRIM
D-138	TREE	2/12/2019	80.82	125.44	257.57	132.13	NEW RUNWAY	REMOVE/TRIM
D-139	TREE	2/12/2019	63.61	126.12	243.07	116.95	NEW RUNWAY	REMOVE/TRIM
D-140	TREE	2/12/2019	35.01	126.76	214.64	87.88	NEW RUNWAY	REMOVE/TRIM



LEGEND

City of Lakeland Zoning

Industrial

Commercial

Limited Development

Mixed Use

Office Use

Residential - Single

City / County Use

On-Airport Land Use

Airfield Land Use

General Aviation Land Use

Airport Compatible Non-Aviation Land Use

Existing Easements

Noise

65 DNL - 2028

65 DNL - 2018

70 DNL - 2020

70 DNL - 2018

75 DNL - 2020

75 DNL - 2018

\\flambol000\aviation\05_Projects\Lakeland Linder International Airport (LAL) AMP\A\WP\1_LAL_LAND_USE.dwg Aug 17, 2020 9:15am Plotted By: HSK8597

REVISIONS	
DATE	DESCRIPTION

CLIENT

Lakeland Linder International Airport

PROJECT

AIRPORT MASTER PLAN UPDATE

LAKELAND LINDER INTERNATIONAL AIRPORT

LAKELAND, FLORIDA

SHEET TITLE

AIRPORT

LAND USE PLAN

Member of the SNC-Lavalin Group

4030 West Boy Scout Blvd. | Tel. (321) 775-6231

Suite 700

Tampa, Florida 33607

www.atkinsglobal.com/northamerica

JOB NO.: 100057734

DRAWN: KK, CH

DESIGN: KK, CH

CHECKED: GF

DATE: AUGUST 2020

SHEET 21 OF 23

DECLINATION 6° 01' W

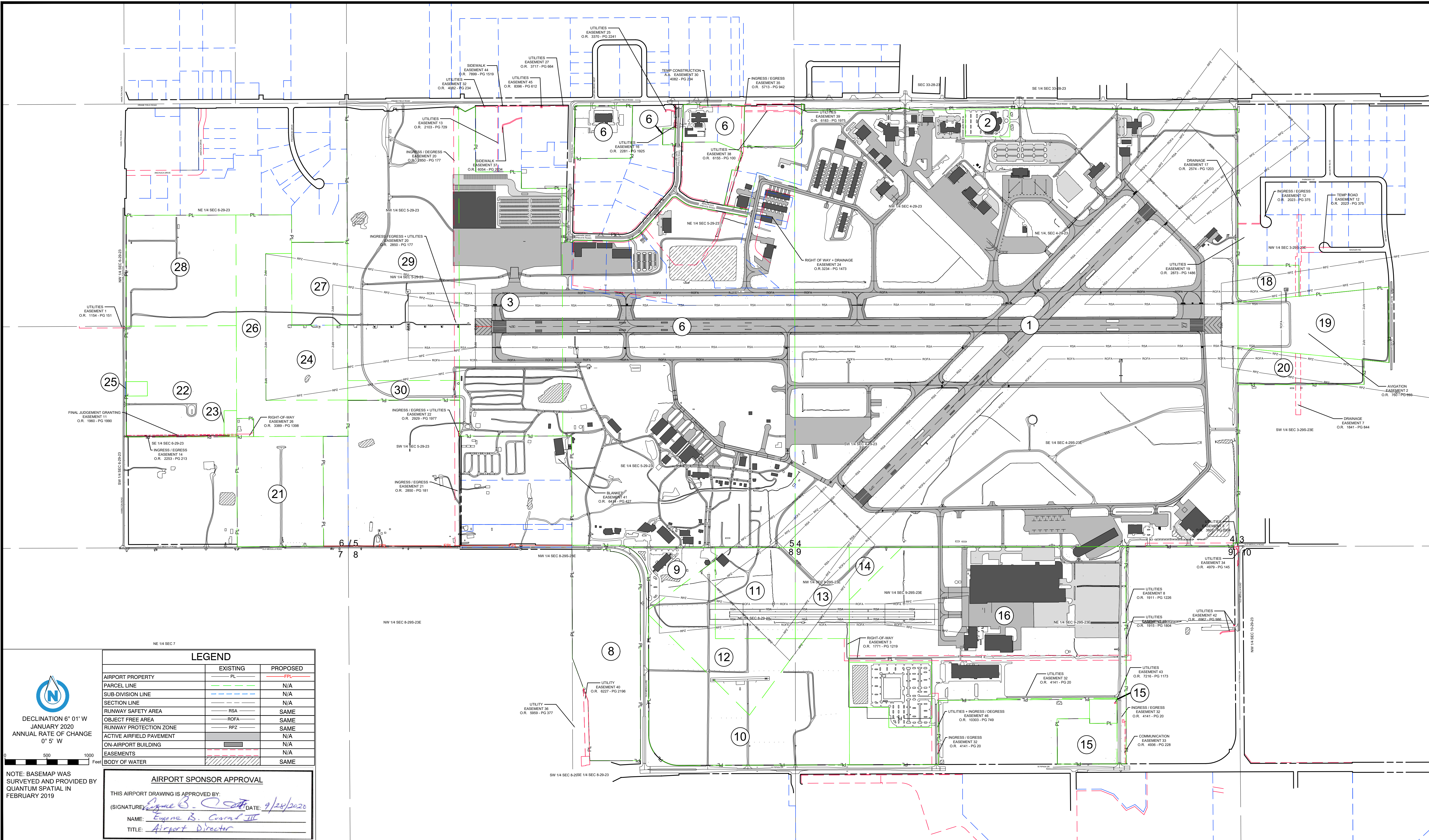
JANUARY 2020

ANNUAL RATE OF CHANGE

0° 5' W

0 600 1200 Feet

\\LAK\Projects\Lakeland Under Regional Airport (LAL)\10057734 LAL AMPA\AUP\15-16_LAL_Exhibit-A.dwg Oct02,2020 3:10pm Plotted By: HSK6597



REVISIONS	
DATE	DESCRIPTION

CLIENT



Lakeland Linder
International Airport

PROJECT

AIRPORT MASTER PLAN UPDATE

LAKELAND LINDER INTERNATIONAL AIRPORT
LAKELAND, FLORIDA

SHEET TITLE

EXHIBIT "A"
AIRPORT PROPERTY
INVENTORY MAP



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JOB NO.: 10057734

DRAWN: KK, CH

DESIGN: KK, CH

CHECKED: GF

DATE: AUGUST 2020

SHEET 22 OF 23

M:\05_Projects\Lakeland Linder Regional Airport (LAL)\100057734 LAL AMPU\ALP\15-16_LAL_EXHIBIT-A.dwg Aug11,2020 - 2:04pm Plotted By: HASK8597

REVISIONS	
DATE	DESCRIPTION

PROJECT	AIRPORT MASTER PLAN UPDATE LAKELAND LINDER INTERNATIONAL AIRPORT LAKELAND, FLORIDA
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 Member of the SNC-Lavalin Group 4030 West Boy Scout Blvd. Tel. (321) 775-6231 Suite 700 Tampa, Florida 33607 www.atkinsglobal.com/northamerica	JOB NO.:	100057734
	DRAWN:	KK, CH
	DESIGN:	KK, CH
	CHECKED:	GF
	DATE:	AUGUST 2020
SHEET		23 OF 23