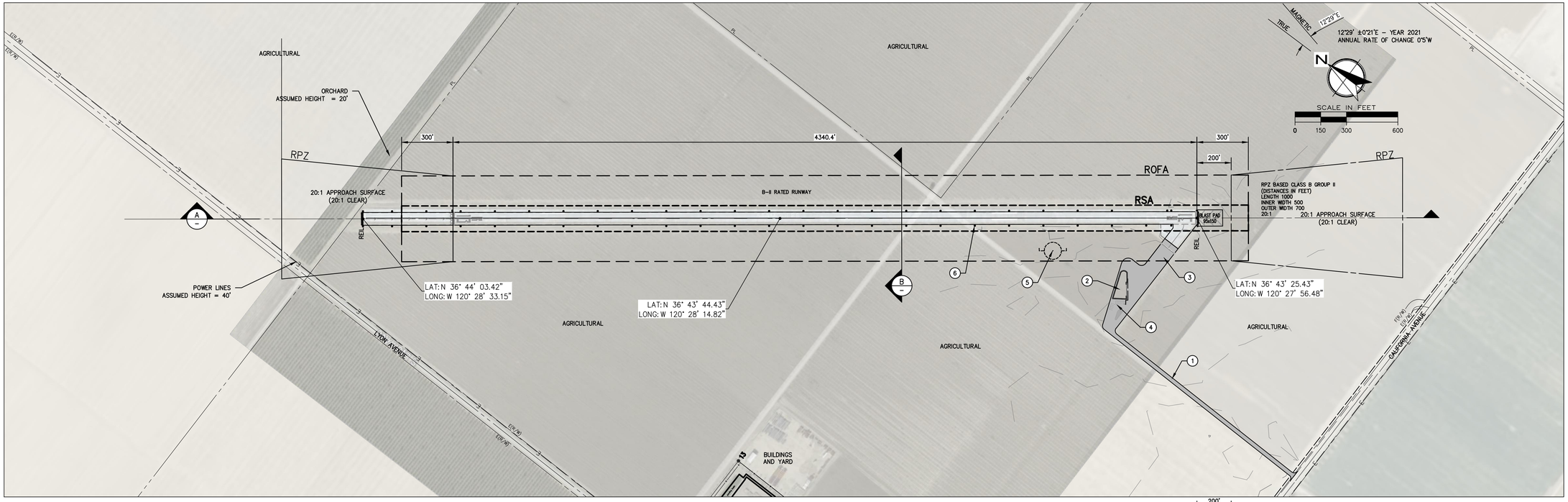
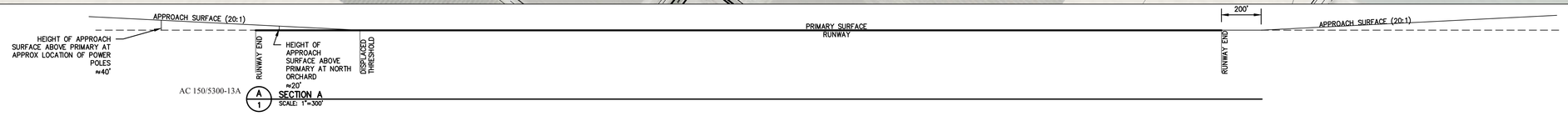




9/28/2012 AC 150/5300-13A

A 1 SECTION A
SCALE: 1"=300'

Table 3-5. Runway design standards matrix

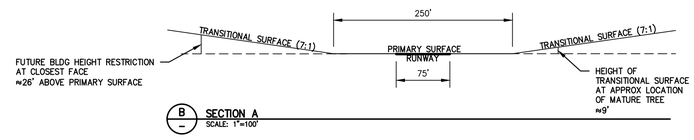
Aircraft Approach Category (AAC) and Airplane Design Group (ADG): *(select from pull-down menu at right)*		B – II			
		Visibility Minimums			
ITEM	DIM[1]	Visual	Not Lower than 1 mile	Not Lower than 3/4 mile	Lower than 3/4 mile
Runway Design					
Runway Length	A		*Refer to paragraphs 302 and 304*		
Runway Width	B	75 ft	75 ft	75 ft	100 ft
Shoulder Width		10 ft	10 ft	10 ft	10 ft
Blast Pad Width		95 ft	95 ft	95 ft	120 ft
Blast Pad Length		150 ft	150 ft	150 ft	150 ft
Crosswind Component		13 knots	13 knots	13 knots	13 knots
Runway Protection					
Runway Safety Area (RSA)					
Length beyond departure end [9, 10]	R	300 ft	300 ft	300 ft	600 ft
Length prior to threshold	P	300 ft	300 ft	300 ft	600 ft
Width	C	150 ft	150 ft	150 ft	300 ft
Runway Object Free Area (ROFA)					
Length beyond runway end	R	300 ft	300 ft	300 ft	600 ft
Length prior to threshold	P	300 ft	300 ft	300 ft	600 ft
Width	Q	500 ft	500 ft	500 ft	800 ft
Runway Obstacle Free Zone (ROFZ)					
Length			*Refer to paragraph 308*		
Width			*Refer to paragraph 308*		
Precision Obstacle Free Zone (POFZ)					
Length		N/A	N/A	N/A	200 ft
Width		N/A	N/A	N/A	800 ft
Approach Runway Protection Zone (RPZ)					
Length	L	1000 ft	1000 ft	1700 ft	2500 ft
Inner Width	U	500 ft	500 ft	1000 ft	1000 ft
Outer Width	V	700 ft	700 ft	1510 ft	1750 ft
Acres		13.770	13.770	48.978	78.914
Departure Runway Protection Zone (RPZ)					
Length	L	1000 ft	1000 ft	1000 ft	1000 ft
Inner Width	U	500 ft	500 ft	500 ft	500 ft
Outer Width	V	700 ft	700 ft	700 ft	700 ft
Acres		13.770	13.770	13.770	13.770
Runway Separation					
Runway centerline to:					
Parallel runway centerline	H		*Refer to paragraph 316*		
Holding position		200 ft	200 ft	200 ft	250 ft
Parallel Taxiway/Taxilane centerline [2, 4]	D	240 ft	240 ft	240 ft	300 ft
Aircraft parking area	G	250 ft	250 ft	250 ft	400 ft
Helicopter touchdown pad			Refer to	AC 150/5390-2	

Notes:

- Appendix 7 contains non-interactive tables for all RDCs.
- Values in the table are rounded to the nearest foot. 1 foot = 0.305 meters.

RUNWAY DATA

			RUNWAY 13–31	
			PROPOSED	
RUNWAY CATEGORY			B–II	
RUNWAY CLASSIFICATION			UNCLASSIFIED	
PHYSICAL LENGTH,WIDTH AND SURFACE			4864x75' CONC.	
THRESHOLD DISPLACEMENT (D) OR RELOCATION (R)			525'(D)	
EFFECTIVE GRADIENT (%)			0.025	
PAVEMENT STRENGTH (1000#) SINGLE WHEEL GEAR				
LIGHTING AND VISUAL AIDS			MIRL/REIL	
MARKING			VISUAL	
CRITICAL DESIGN AIRCRAFT	RUNWAY LENGTH		3601 (BEECHCRAFT)	
	PAVEMENT STRENGTH		3601	
	WINGSPAN		3601	
INSTRUMENT APPROACH TYPE/	13		VISUAL	
RUNWAY FAR PART 77 CATEGORY	33		VISUAL	
APPROACH SLOPE: REQUIRED/CLEAR	13		20:1 / 20:1	
	33		20:1 / 20:1	
RUNWAY REFERENCE POINT		LAT	N 36° 43' 44.37"	ELEV MSL=233.00
		LONG	W 120° 28' 14.82"	
RUNWAY END COORDINATES	13	LAT	N 36° 43' 25.43"	ELEV MSL=232.5
		LONG	W 120° 27' 56.48"	
	33	LAT	N 36° 44' 3.42"	ELEV MSL=232.05
		LONG	W 120° 28' 33.15"	
RUNWAY SAFETY AREA DIMENSIONS	WIDTH		150'	
	LENGTH (200' BEYOND END)		200'	
RUNWAY PROTECTION ZONE DIMENSIONS INNER/OUTER/LENGTH	13		500/700/1000	
	33		500/700/1000	
RUNWAY OBSTACLE FREE ZONE AIRCRAFT	CLASS A & B			
CROSSWIND COMPONANT	13 KNOTS			



B – SECTION A
SCALE: 1"=100'

LEGEND

	PROPOSED	FUTURE
BUILDING SETBACK LINE	NA	
RUNWAY SAFETY AREA	RSA	
RUNWAY PROTECTION ZONES	RPZ	
RUNWAY OBJECT FREE AREA	ROFA	
BUILDINGS		
DRAINAGE		
FACILITIES		
LIGHTING		

NOTES

1. RUNWAY SHALL COMPLY WITH ALL CALTRANS AND FAA REQUIREMENTS
2. ANY AVIGATION EASEMENT REQUIRED TO BE OBTAINED
3. RESTRIPE ALL (E)RUNWAY STRIPING TO COMPLY WITH VISUAL APPROACH RUNWAY REQUIREMENTS
4. REMOVE OR TRIM VEGETATION TO COMPLY WITH FAA PART 77 SURFACE REQUIREMENTS AS NECESSARY

FACILITY DATA

SYMBOL	DESCRIPTION
1	ACCESS ROAD
2	(FUTURE) 2 BAY HANGER AND OFFICE SPACE
3	(FUTURE) TAXIWAY WITH STOPWAY
4	(FUTURE) AUTO PARKING
5	FRANGIBLE ILLUMINATED WIND CONE AND SEGMENTED CIRCLE AS REQUIRED BY CALTRANS
6	RUNWAY EDGE AND END ILLUMINATION RUNWAY 31 'R' TO BE ILLUMINATED

GATEWAY ENGINEERING, INC.
CIVIL ENGINEERS | LAND SURVEYORS
P: 559.326.9944 | F: 559.326.9945 | WWW.GATEWAYEN.COM
405 PARK CREEK DRIVE, CLOVIS, CA 93611-4435

DATE: 9/21/23

AIRFIELD, RUNWAY AND HANGER
904 S. LYON AVENUE
STAMOULES PRODUCE CO.
FRESNO COUNTY

CALTRANS EXHIBIT

REV No.	DESCRIPTION	DATE

ENGINEER: MAH
LICENSE NO: 76721
DRAWN BY: MAH
CHECKED BY: DKB
SCALE: AS SHOWN
PROJECT NO: 20-062
SHEET 1 1

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