AIRPORT BUILDINGS/FACILITIES

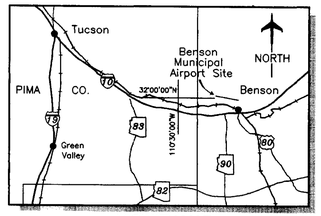
EXISTING	FUTURE	DESCRIPTION
--	1	FBO
--	2	NONDIRECTIONAL BEACON
--	3	HANGARS
--	4	FUEL STORAGE
--	5	FUEL FACILITY
--	6	AUTOMATED WEATHER OBSERVING SYSTEM (AWOS)
7	7	AUTOMOBILE PARKING
8	8	AIRCRAFT TIEDOWNS
9	--	ELECTRICAL VAULT
--	--	
--	--	

TAXIWAY DATA TABLE

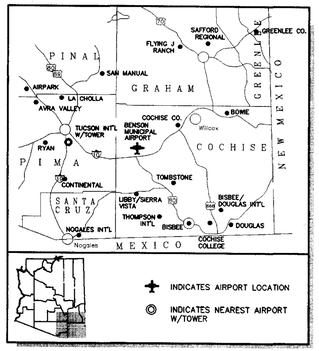
DATA ELEMENTS	T/W A EXISTING (E)	T/W A FUTURE (F)	T/W A4 EXISTING (E)	T/W A4 FUTURE (F)
TAXIWAY SURFACE TYPE	--	ASPHALT	ASPHALT	SAME
TAXIWAY MARKING	--	CENTERLINE	CENTERLINE	SAME
TAXIWAY LIGHTING (REFLECTORS, MITL)	--	MITL	MITL	SAME
DATA ELEMENTS	T/W A1 EXISTING (E)	T/W A1 FUTURE (F)	T/W A5 EXISTING (E)	T/W A5 FUTURE (F)
TAXIWAY SURFACE TYPE	--	ASPHALT	--	ASPHALT
TAXIWAY MARKING	--	CENTERLINE	--	CENTERLINE
TAXIWAY LIGHTING (REFLECTORS, MITL)	--	MITL	--	MITL
DATA ELEMENTS	T/W A2 EXISTING (E)	T/W A2 FUTURE (F)	T/W A6 EXISTING (E)	T/W A6 FUTURE (F)
TAXIWAY SURFACE TYPE	--	ASPHALT	--	ASPHALT
TAXIWAY MARKING	--	CENTERLINE	--	CENTERLINE
TAXIWAY LIGHTING (REFLECTORS, MITL)	--	MITL	--	MITL
DATA ELEMENTS	T/W A3 EXISTING (E)	T/W A3 FUTURE (F)		
TAXIWAY SURFACE TYPE	--	ASPHALT		
TAXIWAY MARKING	--	CENTERLINE		
TAXIWAY LIGHTING (REFLECTORS, MITL)	--	MITL		

AIRPORT DATA TABLE

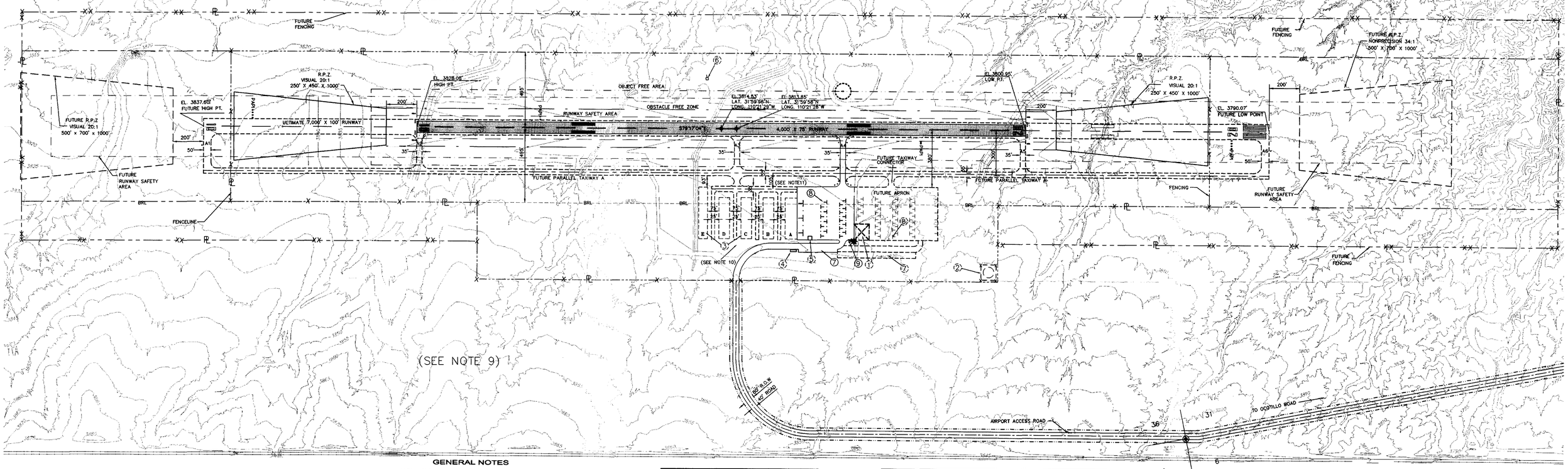
AIRPORT:		BENSON MUNICIPAL AIRPORT
RANGE AND TOWNSHIP:		T16S, R19E
COUNTY:		COCHISE
OWNER:		CITY OF BENSON
DATA ELEMENTS		EXISTING (E) / FUTURE (F)
AIRPORT NPIAS CATEGORY		GA / SAME
DESIGN AIRCRAFT		KING AIR / DASH 8
AIRPORT REFERENCE CODE		B-II / B-III
AIRPORT ELEVATION (FEET/MSL)		3828.08' / 3837.60'
MEAN MAXIMUM TEMPERATURE (FAHRENHEIT/HOTTEST MONTH)		96.4° F JULY / SAME
AIRPORT REFERENCE POINT (ARP)	LAT.	31°59'58" N / 31°59'58" N
	LONG.	110°21'29" W / 110°21'28" W
AIRPORT & TERMINAL NAVAIDS (ON- AND OFF-AIRPORT)		BEACON / SAME
INSTRUMENT APPROACH TYPES (GPS, VOR, ILS, ETC.)		NONE / GPS,VOR



VICINITY MAP



AIRPORT LOCATION MAP



GENERAL NOTES

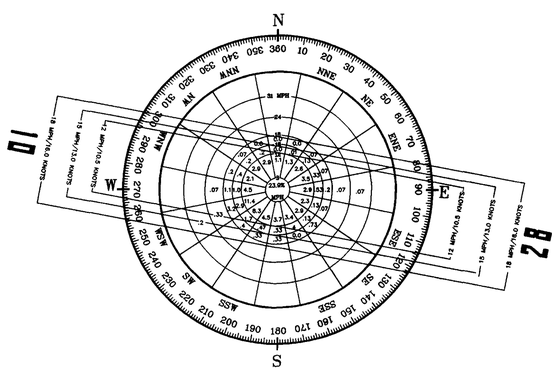
1. NORTH AMERICAN DATUM (NAD 83) USED FOR ALL LAT/LONG IDENTIFICATIONS.
2. THE BUILDING RESTRICTION LINE (BRL) IS ESTABLISHED BASED ON PART 77 CLEARANCE FOR A 35-FT HIGH OBJECT.
3. THERE ARE NO OFZ PENETRATIONS.
4. BASE MAP AND CONTOUR DATA FROM CONSTRUCTION PLANS. UPDATED INFORMATION PROVIDED BY CITY OF BENSON AND ON-SITE INVENTORY.
5. RUNWAY 10-28 HAS REILS AND PAPIS AT EACH RUNWAY END.
6. AIRPORT DEVELOPMENT IDENTIFIED FOR THE PLANNING PERIOD IS REFERRED TO AS FUTURE (F) DEVELOPMENT VERSUS ULTIMATE (U), WHICH REFERS TO DEVELOPMENT PROJECTED BEYOND THE PLANNING PERIOD.
7. NO ADDITIONAL WIND DATA IS AVAILABLE.
8. EXISTING PROPERTY OWNED IN FEE. FUTURE PROPERTY TO BE ACQUIRED IN FEE.
9. PROPERTY SURROUNDING THE AIRPORT IS STATE-OWNED RANCH LAND.
10. MINIMUM CLEARANCE BETWEEN HANGARS IS 75' FOR ONE-WAY TRAFFIC (SMALL AIRCRAFT) PER FAA AC 150/5300-13.
11. FUTURE PARALLEL TAXIWAY "A" TO HANGAR DEVELOPEMENT AREA TAXILANE SEPARATION ACCOMODATES GROUP II DESIGN STANDARD ONLY.
12. RUNWAY 10-28 EXTENSION REQUIRES ENVIRONMENTAL REVIEW AND APPROVAL FROM THE FAA.

RUNWAY END COORDINATES

RUNWAYS		EXISTING	FUTURE
RUNWAY 10	LAT.	32°00'02" N	32°00'04" N
	LONG.	110°21'52" W	110°22'07" W
RUNWAY 28	LAT.	31°59'54" N	31°59'51" N
	LONG.	110°21'06" W	110°20'48" W

RUNWAY DATA TABLE

DATA ELEMENTS		RWY 10/28 EXISTING (E)	RWY 10/28 FUTURE (F)
RUNWAY CATEGORY/DESIGN GROUP CODE		B-II	B-III
RUNWAY AZIMUTH		280°42'56"/ 100°42'56"	SAME
RUNWAY BEARING (TRUE)		S 79°17'04" E	SAME
MAXIMUM RUNWAY ELEVATION (MSL)		3828.08'	3837.60'
RUNWAY DIMENSIONS	WIDTH	75'	100'
	LENGTH	4,000'	7,000'
RUNWAY INSTRUMENTATION		VISUAL	NON-PRECISION
APPROACH SLOPE		20:1	34:1
APPROACH VISIBILITY MINIMUMS		1 MILE	1 MILE
THRESHOLD DISPLACEMENT		NONE	SAME
RUNWAY STOPWAY	WIDTH	NONE	SAME
	LENGTH	NONE	SAME
RUNWAY SAFETY AREA (RSA)	DIMENSIONS	150' X 4,600'	300' X 8,200'
	LENGTH BEYOND RUNWAY END	300'	600'
OBJECT FREE AREA	DIMENSIONS	500' X 4,600'	800' X 8,200'
	LENGTH BEYOND RUNWAY END	300'	600'
OBSTACLE FREE ZONE	DIMENSIONS	250' X 4,400'	400' X 7,400'
	LENGTH BEYOND RUNWAY END	200'	SAME
TAKEOFF RUN AVAILABLE (TORA)		4,000'	7,000'
ACCELERATE-STOP DISTANCE AVAILABLE (ASDA)		4,000'	7,000'
LANDING DISTANCE AVAILABLE (LDA)		4,000'	7,000'
PAVEMENT STRENGTH	POUNDS	12,500	60,000
	TYPE	SINGLE WHEEL	DUAL WHEEL
RUNWAY SURFACE TYPE		ASPHALT	SAME
PAVEMENT SURFACE TREATMENT		NONE	SAME
RUNWAY MARKING		BASIC	SAME
RUNWAY EFFECTIVE GRADIENT (%)		0.68	SAME
RUNWAY LIGHTING (URL, MIRL, HIRL)		MIRL	SAME
RUNWAY APPROACH LIGHTING (ODALS, MALSAR, ETC.)		NONE	SAME
NAVAIDS (ILS, NDB, GPS)		NONE	GPS, VOR
VISUAL AIDS (OVGI, REIL, ETC.)		PAPI, REIL (NOTE 5)	SAME
FAR PART 77 CATEGORY		VISUAL/VISUAL	VISUAL/NP
TDZE (RWY 28)		N/A	3810.40'



SOURCE: ARIZONA ELECTRIC POWER COOPERATIVE, INC. MARCH 1987 (SEE NOTE 7)

SITE: BENSON MUNICIPAL AIRPORT

PERIOD: 1498 OBSERVATIONS BETWEEN MAR 1-31, 1987

WIND COVERAGE

RUNWAY		12 MPH (10.5 KNOTS)	15 MPH (13 KNOTS)	18 MPH (16 KNOTS)
RUNWAY	10-28	97.27%	99.21%	100.0%

MAGNETIC DECLINATION = 11°20.7'E (2000)
ANNUAL RATE OF CHANGE = 2.0'W
SOURCE: NOAA, 2000

LEGEND

DATA ELEMENTS	EXISTING	FUTURE
AIRPORT PROPERTY LINE		
AIRPORT REFERENCE POINT (ARP)		
AIRPORT ROTATING BEACON		
BUILDING CONSTRUCTION		
BUILDING RESTRICTION LINE (BRL)	BRL	
DRAINAGE		
FACILITY CONSTRUCTION		
FENCING		
NAVIGATIONAL AID INSTALLATION	PAPI	PAPI
RUNWAY END IDENTIFICATION LIGHTS (REIL)		
RUNWAY THRESHOLD LIGHTS		
SECTION CORNER	34 35 3 2	
SEGMENTED CIRCLE/WIND INDICATOR		
TOPOGRAPHIC CONTOURS	1080	
WIND INDICATOR (Lighted)		
ARIZONA STATE GRID COORDINATES : EAST ZONE		
GEOGRAPHIC COORDINATES		
RUNWAY PROTECTION ZONE (R.P.Z.)		

APPROVED BY:

MAYOR, CITY OF BENSON — DATE: Aug 30 2000

FAA APPROVAL:

Approved conditionally July 11 2000
Subject to comments contained in our letter dated: July 11 2000
FEDERAL AVIATION ADMINISTRATION
Western-Pacific Region
By _____
Supervisor, Standards Section
Lead Engineer, Arizona

FAA STATEMENT

THE CONTENTS OF THIS PLAN DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICY OF THE FAA. ACCEPTANCE OF THIS DOCUMENT BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED HEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS.

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Revision	By	Appd.	Date
1. ALP UPDATE	RC	WR	00.05.22

File Name: alp2000.dwg	Dwn.	Dsgn.	Dsgn.	Date
	RC			00.03.07

Title

AIRPORT LAYOUT PLAN
BENSON MUNICIPAL AIRPORT
BENSON, ARIZONA

Project No. 81435002

Scale 1:300 (0, 300', 450', 600')

Drawing No. A1

Sheet 1 of 1

Revision 0

T:81435000-Benson\Alp-Drawings\alp2000.dwg