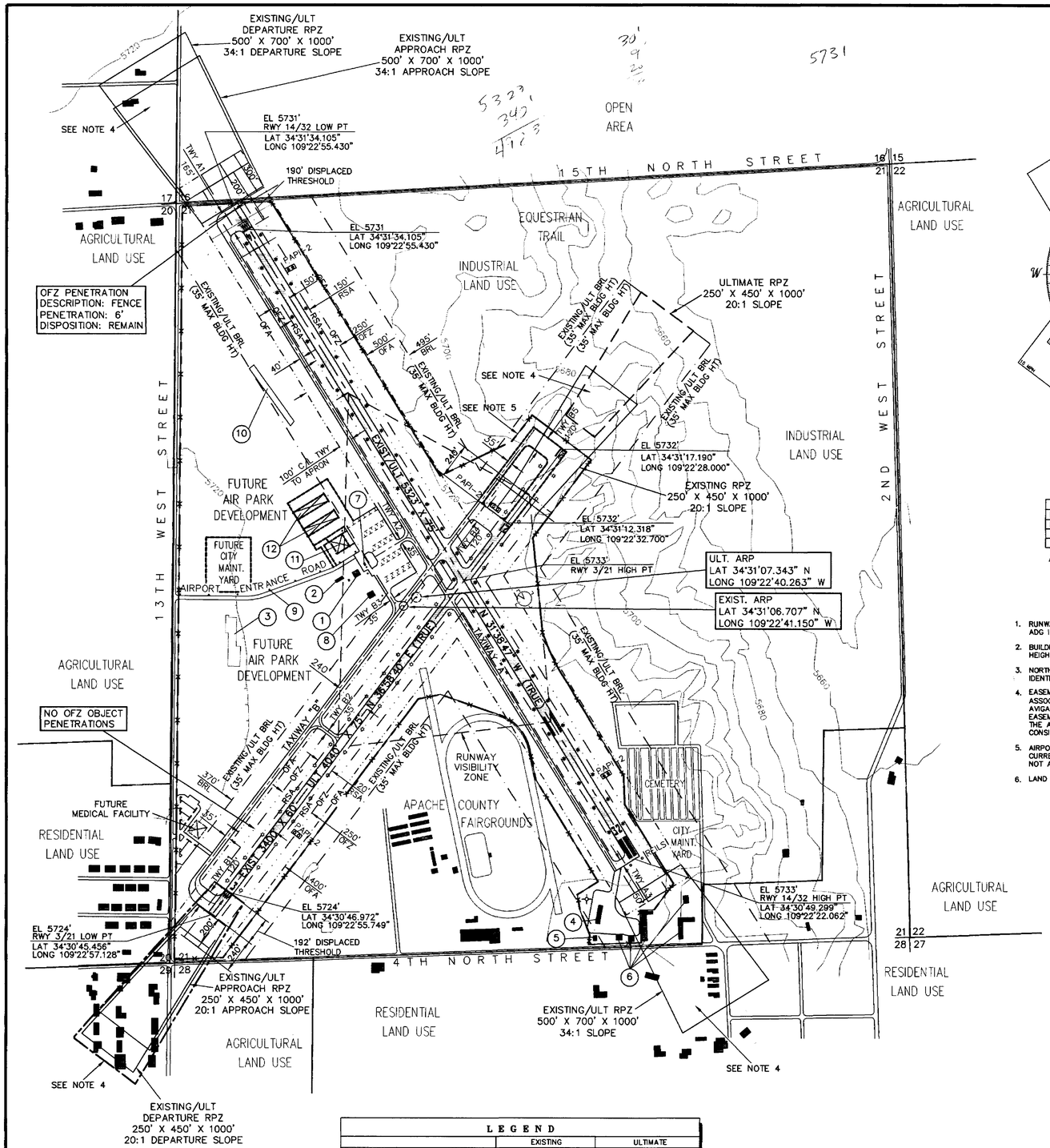
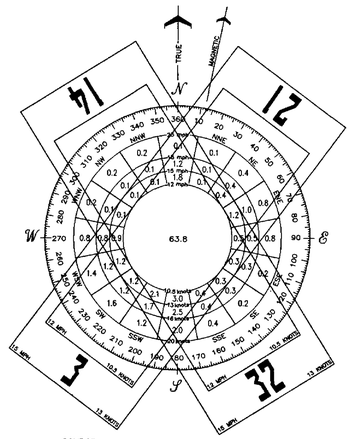




SOURCE:
THE DATA WAS TABULATED BY THE BECHTEL CORPORATION IN CONJUNCTION WITH THE CORONADO STATION NORTH OF ST. JOHNS

PERIOD: THE WIND DATA WAS OBSERVED AND RECORDED OVER A ONE YEAR (1989) PERIOD AT ST. JOHNS INDUSTRIAL AIR PARK

WIND COVERAGE		
RUNWAY	12MPH (10.5 KNOTS)	15MPH (13 KNOTS)
RUNWAY 14–32	81.4%	89.4%
RUNWAY 3–21	91.5%	96.3%
COMBINED	96.7%	98.9%

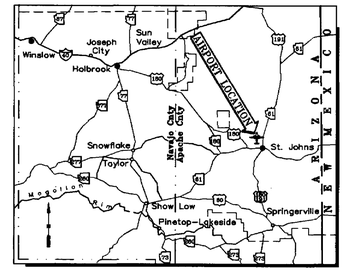
ALL WEATHER WIND ROSE

GENERAL NOTES

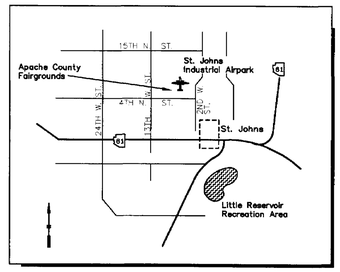
1. RUNWAY 14–32 "RUNWAY–TAXIWAY SEPARATION" IS NON–STANDARD FOR ADG II, BUT MEETS MINIMUM ADG I SEPARATION STANDARDS.
2. BUILDING RESTRICTION LINE (BRL) IS SET FOR 35' MAXIMUM BUILDING HEIGHT.
3. NORTH AMERICAN DATUM (NAD) 83 USED FOR ALL LAT/LONG IDENTIFICATIONS.
4. EASEMENT DESCRIPTION FOR RUNWAY 03 WAS PREPARED BY SHREEVE & ASSOCIATES (3/25/99) AND PROVIDED BY CITY OF ST. JOHNS. THE AVIGATION EASEMENTS ARE CURRENTLY UNDER REVIEW AND THE DEPICTED EASEMENT MAY NOT ACCURATELY REFLECT THE EXISTING SITUATION AT THE AIRPORT. THE NEED FOR FUTURE AVIGATION EASEMENTS WILL BE CONSIDERED DURING THE REVIEW PROCESS.
5. AIRPORT PROPERTY LINE DATA (PROVIDED BY CITY OF ST. JOHNS) IS CURRENTLY BEING RE–DEFINED. THUS, DEPICTED PROPERTY LINES MAY NOT ACCURATELY REFLECT THE EXISTING SITUATION AT THE AIRPORT.
6. LAND USE DATA PROVIDED BY CITY OF ST. JOHNS.

MAGNETIC DECLINATION= 11°48'16"E (JULY 1997)
ANNUAL CHANGE OF RATE= 49" WESTERLY

400 200 0 400 800
SCALE 1"=400'



LOCATION MAP



VICINITY MAP

AIRPORT DATA			
ITEM		EXISTING	ULTIMATE
AIRPORT ELEVATION (MSL)		5733 FT	SAME
AIRPORT REFERENCE POINT COORDINATES (NAD 83)	LAT.	34°31'06.707" N	34°31'07.3429" N
	LONG	109°22'41.150" W	109°22'40.2632" W
TERMINAL NAVIGATION AIDS		BEACON, VOR (OFF–AP)	SAME
MEAN MAX. DAILY TEMP. (HOTTEST MONTH)		90.9° F (JULY)	SAME
AIRPORT REFERENCE CODE: (RWY 14–32 / RWY 3–21)		B–II (B–II / B–I)	SAME (SAME / B–II)
WIND COVERAGE (%)		96.4	SAME
DESIGN AIRCRAFT		KING AIR 200	SAME
GPS AT AIRPORT		GPS–A (RWY 32)	SAME

RUNWAY END COORDINATES**			
RUNWAY	LATITUDE	LONGITUDE	ELEVATION
14 (EXIST & ULT)	34°31'34.105"	109°22'55.430"	5731
32 (EXIST & ULT)	34°30'49.299"	109°22'22.062"	5733
3 (EXIST & ULT)	34°30'45.456"	109°22'57.128"	5724
21 (EXIST)	34°31'12.318"	109°22'32.700"	5732
21 (ULT)	34°31'17.190"	109°22'28.000"	5732
*3	34°30'46.972"	109°22'55.749"	5724
*14	34°31'32.502"	109°22'54.236"	5731

*DISPLACED THRESHOLD **NAD 83 DATUM

AIRPORT BUILDINGS/FACILITIES		
EXIST	ULT	DESCRIPTION
①		TERMINAL BUILDING
②		RESIDENCE
③		BEAM PLANT (DESTROYED)
④	*TBR	T–HANGARS (4)
⑤		DOG POUND
⑥	*TBR	HANGARS/ MAINTENANCE BUILDINGS
⑦		FUEL ISLAND
⑧		FUEL STORAGE FACILITY
⑨		POLE LIGHTS (11 EA)
⑩		MODEL AIRPLANE LANDING STRIP
	⑪	FBO
	⑫	HANGARS

*TBR = TO BE REMOVED

RUNWAY DATA				
	14–32 EXISTING	14–32 ULTIMATE	3–21 EXISTING	3–21 ULTIMATE
% EFFECTIVE GRADIENT	0.038%	SAME	0.235%	0.198%
% WIND COVERAGE 12 MPH	81.4%	SAME	91.5%	SAME
15 MPH	89.4%	SAME	96.3%	SAME
MAX ELEVATION ABOVE MSL	5731'/5733'	SAME	5724'/5732'	SAME
RUNWAY LENGTH	5323 FT	SAME	3400 FT	4040 FT
RUNWAY WIDTH	75 FT	SAME	60 FT	75 FT
RUNWAY SURFACE TYPE	ASPHALT	SAME	ASPHALT	SAME
TAXIWAY SURFACE TYPE	ASPHALT	SAME	ASPHALT	SAME
INSTRUMENT RUNWAY (TYPE)	VISUAL/NP	NP/NP	VISUAL/VISUAL	SAME
APPROACH SLOPE	34:1/34:1	SAME	20:1/20:1	SAME
PAVEMENT STRENGTH (1000 LBS)	12.5 (SW)	SAME	12.5 (SW)	SAME
RUNWAY LIGHTING	MIRL	SAME	DELINEATORS	MIRL
RUNWAY MARKING	BASIC/NP	NP/NP	BASIC/BASIC	SAME
NAVIGATIONAL AIDS	BEACON, VOR (OFF–AP), GPS–A (RWY 32)	SAME	BEACON, VOR (OFF–AP)	SAME
VISUAL AIDS	PAPI–2/PAPI–2, REILS	SAME	NONE	PAPI–2
RUNWAY SAFETY AREA DIMENSIONS:	5923 FT X 150 FT	SAME	3880 FT X 120 FT	4640 FT X 150 FT
LENGTH BEYOND RUNWAY END	300 FT	SAME	240 FT	300 FT
WIDTH	150 FT	SAME	120 FT	150 FT
RUNWAY OBJECT FREE AREA:	5923 FT X 500 FT	SAME	3880 FT X 400 FT	4640 FT X 500 FT
LENGTH BEYOND RUNWAY END	300 FT	SAME	240 FT	300 FT
WIDTH	500 FT	SAME	400 FT	500 FT
RUNWAY OBSTACLE FREE ZONE:	5723 FT X 250 FT	SAME	3800 FT X 250 FT	SAME
LENGTH BEYOND RUNWAY END	200 FT	SAME	200 FT	SAME
WIDTH	250 FT	SAME	250 FT	SAME
AIRPLANE DESIGN GROUP	II	SAME	I	II
AIRCRAFT APPROACH CATEGORY	B	SAME	B	B
FAR PART 77 CATEGORY	VISUAL/NP	NP/NP	VISUAL/VISUAL	SAME
RUNWAY BEARING (TRUE)	N31°38'47"W	SAME	N36°58'40"E	SAME
DISPLACED THRESHOLD	190 FT (RWY 14)	SAME	192 FT (RWY 03)	SAME
APPROACH MINIMUMS	3 MILES/1 MILE	1 MILE/1 MILE	3 MILES/3 MILES	SAME

LEGEND

	EXISTING	ULTIMATE
FACILITIES		
BUILDINGS		
AIRPORT PROPERTY LINES		
RUNWAY SAFETY AREA (RSA)		
OBSTACLE FREE ZONE (OFZ)		
OBSTACLE FREE AREA (OFA)		
BUILDING RESTRICTION LINE (BRL)		
FENCE		
AIRPORT REFERENCE POINT (ARP)		
BEACON		
SEGMENTED CIRCLE/ LIGHTED WIND CONE		
RUNWAY LIGHTS		
REIL		
PAPI		
AVIAGATION EASEMENT		
LAND USE BOUNDARY		

"THE PREPARATION OF THESE DOCUMENTS WAS FINANCED IN PART THROUGH A PLANNING GRANT FROM THE FEDERAL AVIATION ADMINISTRATION AS PROVIDED UNDER SECTION 505 OF THE AIRPORT AND AIRWAY IMPROVEMENT ACT OF 1982, AS AMENDED. THE CONTENTS DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICY OF THE FAA. ACCEPTANCE OF THESE DOCUMENTS 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."

APPROVED BY:

MAYOR – CITY OF ST. JOHNS — DATE 9-2-99

FAA APPROVAL: SEP 20 1999

Approved conditionally

Subject to comments contained in our letter dated: SEP 20 1999

FEDERAL AVIATION ADMINISTRATION
Western-Pacific Region

By _____
Supervisor, Standards Section

NO.	REVISIONS	DATE	BY	APP'D
3	UPDATE	8/99	JF/TS	
2	REVISED	1/21/80	NJP	
1	UPDATE	9/78	NJP	

ST. JOHNS INDUSTRIAL AIR PARK
AIRPORT LAYOUT PLAN
ST. JOHNS, ARIZONA

Stantech Consulting Inc.
7720 Fointe Parkway W. Suite 280
Phoenix, Arizona 85044 USA
Phone: (602) 438-2200 Fax: (602) 431-9668

PLANNED BY: PLANNING DEPT.
DRAWN BY: J.I. FAINKJUEN
DATE: AUGUST 1999

SHEET 1/6