BUILDINGS

NO.	DESCRIPTION	TOP EL. (AMSL) IN FT.
1	AIRPORT ADMINISTRATION/AVIATION MULTI-USE FACILITY	137.1'
2	LARGE BOX HANGAR	135.0'
3	AIRPORT BEACON	238.0'
4	BOX HANGARS	134.0'-145.0'
5	FUEL FARM (TO BE RELOCATED)	118.0'
6	ELECTRIC VAULT	120.0'
7	T-HANGARS	125.0'-132.0'
8	PRIVATE BOX HANGARS	125.0'-131.0'
9	MAINTENANCE SHED	137.1'
10	ASOS (TO BE RELOCATED)	141.0'
11	PAPI	N/A
12	OBSTRUCTION LIGHTING	SEE DWG
13	SEG. CIRCLE AND LTD WIND CONE	N/A
14	POLLUTION CONTROL FACILITY/WASHRACK	130.0'
15	AWOS/ASOS SITE (RELOCATED)	145.0'
16	FUTURE APRON EXPANSION	130.0'
17	FUTURE HANGAR DEVELOPMENT	140.0'
18	FUTURE SHADE HANGAR DEVELOPMENT	
19	MODULAR BUILDING	122.0'
20	FUTURE FUEL ISLAND (ABOVE GROUND)	

NON-STANDARD CONDITIONS

DESCRIPTION	AIRPORT REFERENCE CODE	EXISTING CONDITIONS	FUTURE CONDITIONS	PROPOSED CORRECTION
RUNWAY OBJECT FREE AREA LENGTH BEYOND RW 2 END	B-II	150'	300'	200' SHIFT OF RUNWAY 2/20
LIGHT POLE AND FENCE PENETRATE GROUP II TAXIWAY OBJECT FREE AREA	B-II	<65.5'	65.5'	ACQUIRE PROPERTY AND RELOCATE LIGHT POLE AND FENCE
NON-PRECISION RUNWAY THRESHOLD STRIPES	B-II	3	4	RE-MARK RUNWAY AFTER 200' SHIFT

THRESHOLD SITING SURFACE PENETRATIONS

NO.	DESCRIPTION	ELEVATION	PENETRATION	SURFACE	DISPOSITION
7	TREE	221.0	32.1'	RWY 2 THRESHOLD SITING SURFACE	REMOVE / TOP
8	TREE	191.6	7.2'	RWY 2 THRESHOLD SITING SURFACE	REMOVE / TOP
9	TREE	202.0	20.9'	RWY 2 THRESHOLD SITING SURFACE	REMOVE / TOP
10	TREE	219.0	38.5'	RWY 2 THRESHOLD SITING SURFACE	REMOVE / TOP

OBSTRUCTION SOURCE: NOAA LPV SURVEY 03-26-05.

AIRPORT DATA

	EXISTING	NEAR-TERM	FUTURE
AIRPORT ELEVATION (AMSL)	116.8'	SAME	SAME
AIRPORT REFERENCE POINT (ARP)	LAT.38°22'40.00"N LON.121°57'41.70"W	LAT.38°22'41.64"N LON.121°57'40.31"W	LAT.38°22'44.38"N LON.121°57'38.21"W
AIRPORT REFERENCE CODE	B-II	SAME	SAME
NPIAS CATEGORY	GENERAL AVIATION	SAME	SAME
MEAN MAX. TEMPERATURE (HOTTEST MONTH)°F	95°	SAME	SAME
TERMINAL NAVAIDS	SEG CIRCLE, BEACON	SAME	SAME
AIRPORT ACREAGE	286	375.8	375.8

SPONSOR APPROVAL

SIGNATURE DATE

True North

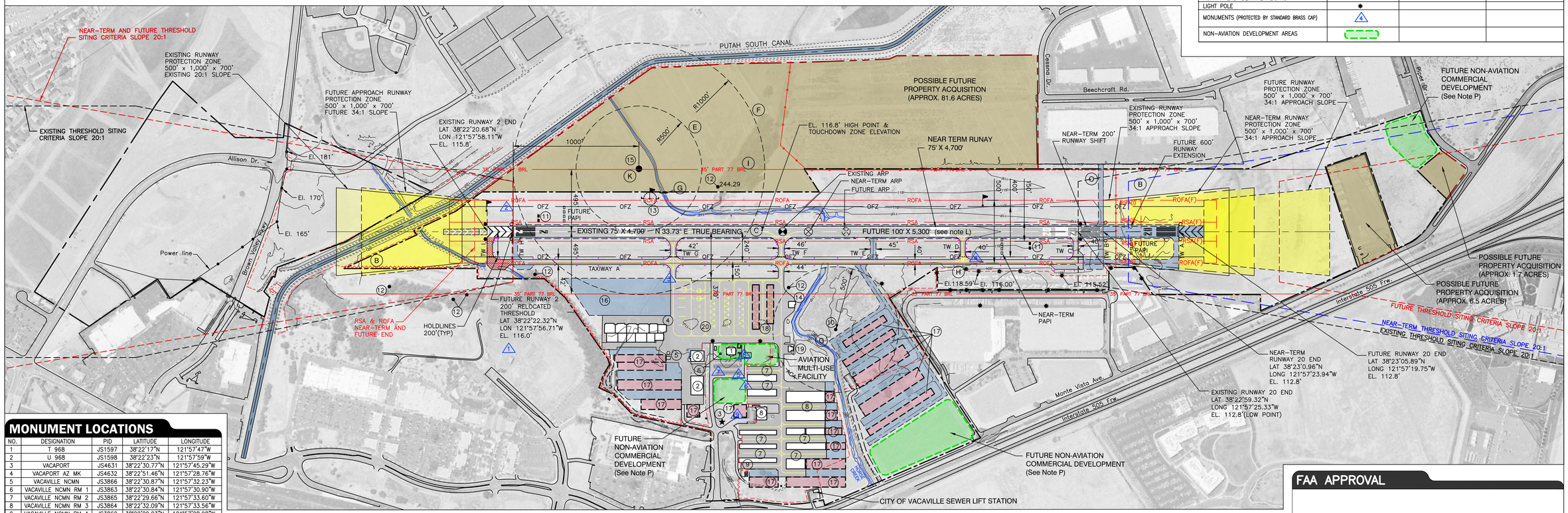
14° 12.0' E MAG. DEC. DECEMBER 2011 -0°6.0'W ANNUAL CHANGE

0 200' 400' 800' 1200'

GRAPHIC SCALE IN FEET

DRAWING LEGEND

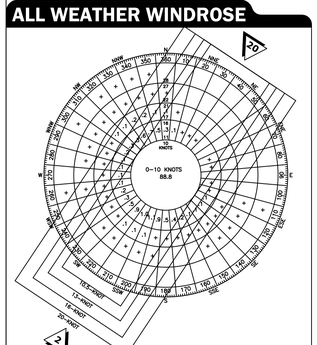
	EXISTING	NEAR-TERM	FUTURE
AIRPORT PROPERTY LINE			
AIRPORT SECURITY 6' CHAIN LINK FENCE			
AIRPORT SECURITY BARBED WIRE FENCE			
AIRPORT BUILDINGS			
AIRFIELD PAVEMENT			
PAVEMENT TO BE REMOVED			
PAVED ROADS			
UNPAVED ROADS			
AVIGATION EASEMENT			
RUNWAY PROTECTION ZONE			
THRESHOLD SITING SURFACE			
BUILDING RESTRICTION LINE			
RUNWAY SAFETY AREA	RSA	RSA(I)	RSA(F)
RUNWAY OBJECT FREE AREA	ROFA	ROFA(I)	ROFA(F)
OBJECT FREE ZONE (NO OFZ PENETRATIONS)	OFZ		
AIRPORT BEACON			
LIGHTED WIND CONE & SEGMENTED CIRCLE			
WIND CONE			
PRECISION APPROACH PATH INDICATOR (PAPI)			
HOLDLINES			
AIRPORT REFERENCE POINT			
RUNWAY END IDENTIFIER LIGHTS			
LIGHT POLE			
MONUMENTS (PROTECTED BY STANDARD BRASS CAP)			
NON-AVIATION DEVELOPMENT AREAS			



MONUMENT LOCATIONS

NO.	DESIGNATION	PID	LATITUDE	LONGITUDE
1	T 968	JS1597	38°22'17"N	121°57'47"W
2	U 968	JS1598	38°22'23"N	121°57'59"W
3	VACAPORT	JS4631	38°22'30.77"N	121°57'45.29"W
4	VACAPORT AZ MK	JS4632	38°22'51.46"N	121°57'28.76"W
5	VACAVILLE NCMN	JS3866	38°22'30.87"N	121°57'32.23"W
6	VACAVILLE NCMN RM 1	JS3863	38°22'30.84"N	121°57'30.90"W
7	VACAVILLE NCMN RM 2	JS3865	38°22'29.66"N	121°57'33.60"W
8	VACAVILLE NCMN RM 3	JS3864	38°22'32.09"N	121°57'33.56"W
9	VACAVILLE NCMN RM 4	JS3862	38°22'29.03"N	121°57'28.98"W

ALL WEATHER WINDROSE

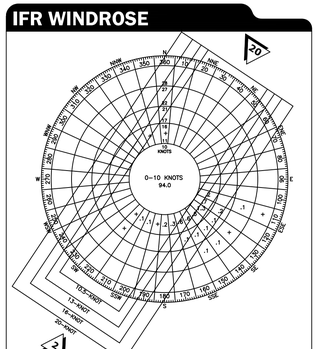


RUNWAY	10.5-KNOT	13-KNOT	16-KNOT	20-KNOT
2/20	96.13%	97.87%	96.27%	99.81%
2	66.50%	66.86%	69.09%	69.58%
20	91.20%	92.14%	91.98%	93.14%

SOURCE: National Oceanic and Atmospheric Administration, National Climatic Data Center, Station 72482, Vacaville, California. Total Observations: 62,056. Period of Record: August 2001-December 2009.

NOTE: Wind analysis tabulated utilizing the FAA Airport Design Software supplied with FAA AC 150/5300-13.

IFR WINDROSE



RUNWAY	10.5-KNOT	13-KNOT	16-KNOT	20-KNOT
2/20	95.21%	96.96%	98.89%	99.52%
2	89.37%	90.50%	91.97%	92.42%
20	92.70%	94.42%	96.35%	96.98%

SOURCE: National Oceanic and Atmospheric Administration, National Climatic Data Center, Station 72482, Vacaville, California. Total Observations: 2,476. Period of Record: August 2001-December 2009.

NOTE: Wind analysis tabulated utilizing the FAA Airport Design Software supplied with FAA AC 150/5300-13.

RUNWAY DATA

ITEM	EXISTING RUNWAY 2/20	NEAR-TERM RUNWAY 2/20	FUTURE RUNWAY 2/20
APPROACH VISIBILITY MINIMUMS	VISUAL/1-MILE	1-MILE/1-MILE	SAME/SAME
FAR PART 77 APPROACH CATEGORY	VISUAL/NP	NP/NP	SAME/SAME
FAR PART 77 APPROACH SLOPE	20:1/34:1	34:1/34:1	SAME/SAME
RUNWAY WIDTH AND LENGTH	75' X 4,700'	SAME	100' X 5,300' (see note L)
PAVEMENT SURFACE TYPE	ASPHALT	SAME	SAME
PAVEMENT STRENGTH (IN LBS.)	30,000 SWG	SAME	SAME
TAXIWAY SURFACE TYPE	ASPHALT	SAME	SAME
RUNWAY LIGHTING	HIRL	SAME	SAME
RUNWAY MARKING	NP, RCL, EDGE	SAME	SAME
TAXIWAY LIGHTING	MITL	SAME	SAME
EFFECTIVE RUNWAY GRADIENT %	0.06	0.07	0.06
MAXIMUM RUNWAY GRADIENT %	0.16	0.15	0.13
RUNWAY LINE-OF-SIGHT	CRITERIA MET		
VISUAL APPROACH AIDS	PAPI, REIL	SAME	SAME
INSTRUMENT APPROACH AIDS	VOR, GPS	SAME	SAME
AIRPORT REFERENCE CODE	B-II	SAME	SAME
CRITICAL AIRCRAFT	DASSAULT FALCON 50	SAME	SAME
WING SPAN	61'11'	SAME	SAME
UNDER CARRIAGE WIDTH	13'	SAME	SAME
APPROACH SPEED (KNOTS)	113	SAME	SAME
MAXIMUM TAKEOFF WEIGHT (LBS.)	38,800	SAME	SAME
RUNWAY SAFETY AREA WIDTH	150'	SAME	SAME
RUNWAY SAFETY AREA BEYOND R/W END	300'/300'	SAME/SAME	SAME/SAME
RUNWAY OBJECT FREE AREA WIDTH	500'	SAME	SAME
RUNWAY OBJECT FREE AREA BEYOND R/W END	300'/300'	SAME/SAME	SAME/SAME
OBSTACLE FREE ZONE WIDTH	400'	SAME	SAME
OBSTACLE FREE ZONE BEYOND R/W END	200'/200'	SAME/SAME	SAME/SAME
OBSTACLE FREE ZONE CRITERIA	NO OFZ OBJECT PENETRATIONS		
RUNWAY CL TO TAXIWAY CL	240'	SAME	SAME
TAXIWAY CL TO FIXED OR MOVEABLE OBJECT	250'	SAME	SAME
TAXIWAY OBJECT FREE AREA WIDTH	131'	SAME	SAME
TAXIWAY SAFETY AREA WIDTH	79'	SAME	SAME
TAXIWAY WINGTIP CLEARANCE	26'	SAME	26'
TAXIWAY CENTERLINE TO FIXED/MOVEABLE OBJECT	370'	SAME	SAME
THRESHOLD SITING CRITERIA	SEE TABLE		

REVISIONS

NO.	DESCRIPTION	DATE
1	'AIRPORT LAYOUT PLAN' DRAWING, BY MEAD & HUNT, INC., SANTA ROSA, CALIFORNIA	6/2007

RUNWAY COORDINATES & ELEVATIONS

ITEM	RUNWAY 2/20			
	EXISTING		NEAR-TERM	FUTURE
RUNWAY END COORDINATES	LAT.38°22'20.68"N LON.121°57'58.11"W	LAT.38°22'59.32"N LON.121°57'25.33"W	LAT.38°22'22.32"N LON.121°57'56.71"W	LAT.38°23'0.96"N LON.121°57'23.94"W	LAT.38°22'22.32"N LON.121°57'56.71"W	LAT.38°23'05.89"N LON.121°57'19.75"W
RUNWAY END ELEVATION	115.8'/112.8'		116.0'/SAME	SAME/SAME	
RUNWAY HIGH/LOW POINT ELEVATION	112.8'/116.8'		SAME/SAME	SAME/SAME	
TOUCHDOWN ZONE ELEVATION (TDZE)	116.8'/116.7'		SAME/SAME	SAME/SAME	

NOTES

A. This drawing reflects planning standards specific to this airport, and is not a product of detailed engineering design analysis. It is not intended to be used for construction documentation or navigation.
B. Coordinates and elevations taken from FAA website, http://nfdc.faa.gov/nfdc/datasheet_prd/pkg_airport.PRO_AIRPORT_RUNWAY?v_cntl_num=3153 All elevations and coordinates are based on NAVD 88 and NAD 83 datum.
C. Forward azimuth reckoned from north. Source: FAA Inverse 3D.
D. Section Corners-The Nut Tree Airport is located in Rancho Los Putos. The original Government Land Office surveys did not survey (set Section Corner Locations) within boundary of Rancho Los Putos.
E. ASOS Zone 1 – Objects restricted to 15' below future wind sensor elevation.
F. ASOS Zone 2 – Objects restricted to 10' above future wind sensor elevation.
G. Creek disposition to be determined.
H. Light pole and fence to be relocated clear of taxiway OFA (65.5 feet from centerline).
I. Eucalyptus trees to be removed.
J. Replace/relocate barbed wire fencing with 6' chain link.
K. Future AWOS/ASOS location does not meet siting criteria per FAA Order 6560.20B. FAA confirmation pending.
L. For runway width space reservation purposes only: Future Runway 2/20 width to remain B-II throughout planning horizon. Project eligibility not factored.
M. Please see Airport Capital Improvement Plan (ACIP) for a complete list of planned development projects.
N. Property lies in a portion of Section 10 & 15, T.6 N, R.1 W, M.D.M. Solano County , CA. No identified section corners appear in the airport layout plan view.
O. Possible Taxiway funded by others concurrent with, or subsequent to, initial 200 foot runway threshold shift.
P. Subject to FAA Review and Approval.

FAA APPROVAL

The preparation of this document may have been supported, in part, through the Airport Improvement Program financial assistance from the Federal Aviation Administration as provided under Title 49, United States Code, section 47104. The contents do not necessarily reflect the official views or policy of the FAA. Acceptance of this plan by the FAA does not in any way constitute a commitment on the part of the United States to participate in any development depicted therein nor does it indicate that the proposed development is environmentally acceptable in accordance with appropriate public laws.

Solano County
General Services Department
Vacaville, CA (707)469-4600

Nut Tree Airport

Vacaville, California

Airport Layout Plan

SCALE	DATE	SHEET NO.
1" = 400'	NOVEMBER 2013	1 of 7