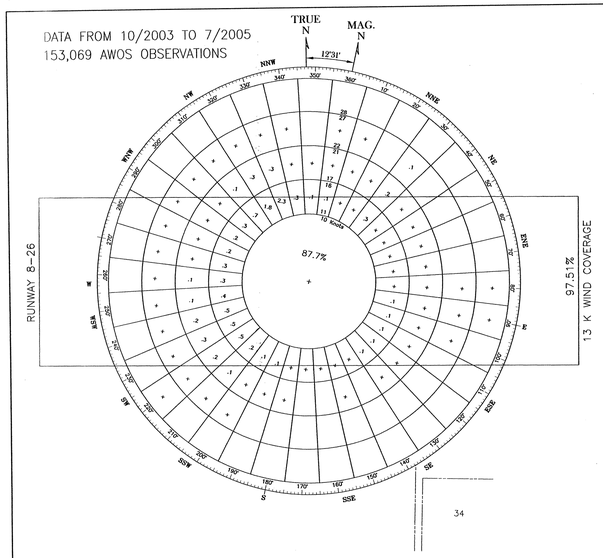
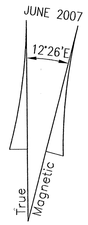
DATA FROM 10/2003 TO 7/2005
153,069 AWOS OBSERVATIONS



ANNUAL RATE OF CHANGE 0°5'W



ABBREVIATIONS:

ARP	Airport Reference Point
AWOS	Automated Weather Observation System
BRL	Building Restriction Line
FBO	Fixed Base Operator
GPS	Global Positioning System
MIRL	Medium Intensity Runway Edge Lights
PAPI	Precision Approach Path Indicator
REIL	Runway End Identifier Lights
ROFA	Runway Object Free Area
RPZ	Runway Protection Zone
RSA	Runway Safety Area
R/W	Runway
T/W	Taxiway
ULT	Ultimate

GRAPHIC SCALE IN FEET
0 300 600 900
1"=300'

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.

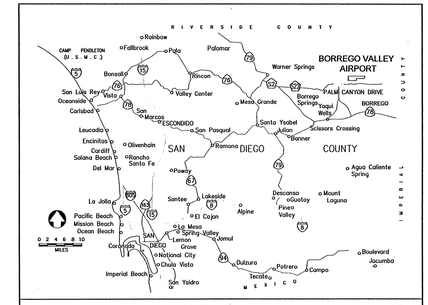
FAA APPROVAL STAMP

AUG 27 2007

Approved conditionally _____

Subject to comments contained in our letter dated: AUG 27 2007
FEDERAL AVIATION ADMINISTRATION
Western-Pacific Region

By _____
Manager - LAX/ADO

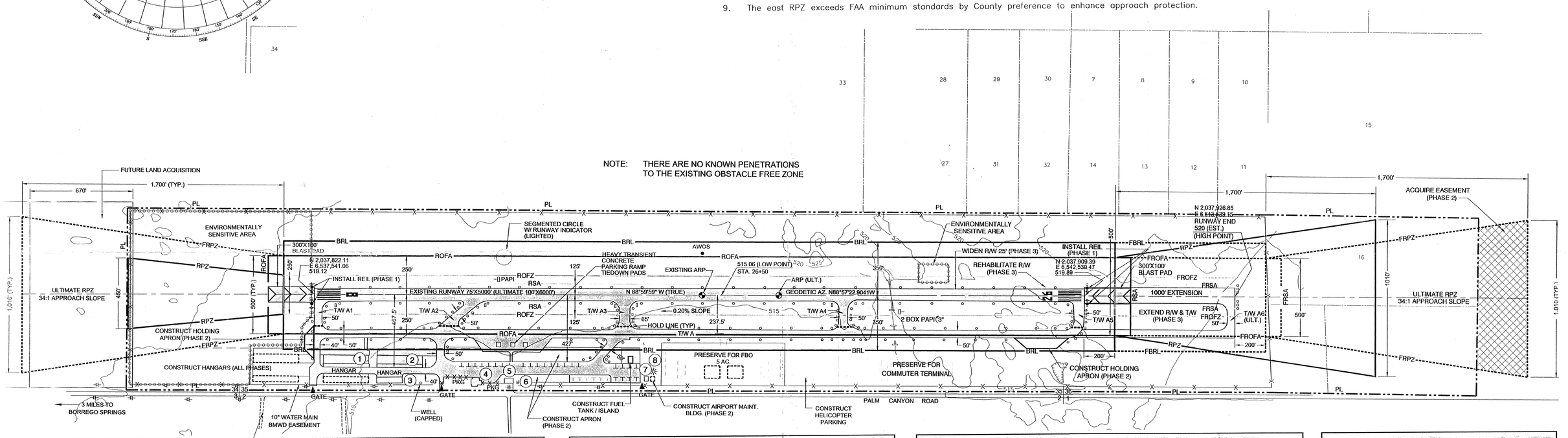


LOCATION MAP

NOTES:

1. Existing ALP base prepared by County of San Diego Department of Public Works. Bearings and coordinates are based on the California Coordinate System, Zone 6, NAD 83.
2. All elevations are in feet above mean sea level (MSL) with NAVD 27 datum.
3. South side BRL will permit a building height of only 12.5 feet at the BRL. Future buildings 25 feet high should be 425 feet from runway centerline and should comply with ultimate FAR Part 77 surfaces.
4. Runway length calculated from State Coordinates.
5. Runway extension contingent on completion of environmental process and preparation of an EIR/EA at appropriate time.
6. Existing Runway Protection Zones owned in fee.
7. Base Map, coordinates, elevations and clear slopes furnished by County of San Diego (August 2006).
8. Survey Monuments – Not Applicable.
9. The east RPZ exceeds FAA minimum standards by County preference to enhance approach protection.

NOTE: THERE ARE NO KNOWN PENETRATIONS TO THE EXISTING OBSTACLE FREE ZONE



RUNWAY DATA

	RUNWAY 8-26 EXISTING	RUNWAY 8-26 FUTURE
AIRPORT REFERENCE CODE	B-II	No Change
CRITICAL AIRCRAFT	Citation V	No Change
WING SPAN	52.25'	No Change
APPROACH SPEED	<121 Knots	No Change
MAXIMUM TAKEOFF WEIGHT	15,900 lbs.	No Change
WIND COVERAGE	97.51%	No Change
PHYSICAL LENGTH AND WIDTH	5,000'x75'	6,000'x100'
MAXIMUM ELEVATION (Above Mean Sea Level)	519'	520'
EFFECTIVE / MAXIMUM GRADIENT (in %)	0.12 / 0.20	No Change
RUNWAY/TAXIWAY SURFACE TYPE	Asphalt	No Change
PAVEMENT STRENGTH (1,000#) - S/D/DT	30 / 54 / 90	No Change
RUNWAY SAFETY AREA (Width)	150'	No Change
OBJECT FREE AREA (Width)	500'	No Change
OBSTACLE FREE ZONE (Width)	250'	No Change
RUNWAY SAFETY AREA (Length Beyond Runway End) — Approach End of Runway 8	300'	No Change
RUNWAY SAFETY AREA (Length Beyond Runway End) — Approach End of Runway 26	300'	No Change
OBJECT FREE AREA (Length Beyond Runway End) — Approach End of Runway 8	300'	No Change
OBJECT FREE AREA (Length Beyond Runway End) — Approach End of Runway 26	300'	No Change
OBSTACLE FREE ZONE (Length Beyond Runway End) — Approach End of Runway 8	200'	No Change
OBSTACLE FREE ZONE (Length Beyond Runway End) — Approach End of Runway 26	200'	No Change

			RUNWAY 8-26 EXISTING	RUNWAY 8-26 FUTURE
APPROACH TYPE (FAR Part 77 Category)	Approach End of Runway	8	Visual	Non-Precision
		26	Non-Precision	No Change
APPROACH VISIBILITY (Minimums)	Approach End of Runway	8	Visual	1 Mile
		26	1 Mile	No Change
APPROACH SLOPE (Required/Clear)	Approach End of Runway	8	20:1/86:1	34:1/86:1
		26	34:1/100+:1	34:1/100+:1
APPROACH AND LANDING AIDS	Approach End of Runway	8	None	GPS
		26	GPS	No Change
RUNWAY END COORDINATES (NAD83)	Approach End of Runway 8	Latitude	33° 15' 32" N	No Change
		Longitude	116° 19' 45" W	No Change
	Approach End of Runway 26	Latitude	33° 15' 33" N	No Change
		Longitude	116° 18' 46" W	116° 18' 34" W
RUNWAY END ELEVATIONS (NAVD29)	Approach End of Runway	8	519.12'	No Change
		26	519.89'	520' (E)
RUNWAY MARKING			Non-Prec/Non-Prec	No Change
RUNWAY LIGHTING			MIRL, PAPi	+REIL
TAXIWAY LIGHTING			Yes	No Change
HOLD BARS & SIGNS (Distance from Rwy Centerline)			200'	No Change

DRAWING LEGEND

	EXISTING	FUTURE
ACTIVE AIRFIELD PAVEMENT		
OTHER PAVEMENT IN USE		No Change
PAVEMENT TO BE REMOVED		
AIRPORT PROPERTY LINE	PL	
OTHER PROPERTY LINES		
EASEMENT		
INTERNAL BOUNDARY (lease, R.O.W., etc.)		
RUNWAY PROTECTION ZONE	RPZ	FRPZ
RUNWAY SAFETY AREA	RSA	FRSA
RUNWAY OBJECT FREE AREA	ROFA	FROFA
RUNWAY OBSTACLE FREE ZONE	ROFZ	FROFZ
BUILDING RESTRICTION LINE	BRL	No Change
BUILDING		
FENCE	—X—X—X—	—XX—XX—XX—
VEHICLE GATE		
WIND CONE		
UTILITY POLE / POWER LINE		No Change
TOPOGRAPHIC CONTOURS	XXX	No Change
WATERWAY / CULVERT		
AIRPORT REFERENCE POINT		
THRESHOLD SITING SURFACE OBJECT PENETRATIONS	*	
SECTION CORNER	35 36 / 2 1	No Change

AIRPORT DATA

		EXISTING	ULTIMATE
AIRPORT ELEVATION		520' MSL	NO CHANGE
AIRPORT REFERENCE POINT (ARP) COORDINATES (NAD 83)	LATITUDE	33°15'32"N	33°15'32"N
	LONGITUDE	116°19'15"W	116°19'9"W
MEAN MAX. TEMP. HOTTEST MONTH (JULY)		107.8°F	NO CHANGE
AIRPORT AND TERMINAL NAVAIDS		GPS	NO CHANGE
AIRPORT REFERENCE CODE		B-II	NO CHANGE
AIRPORT WIND COVERAGE % (13 KNOTS)		97.51%	NO CHANGE
AIRPORT NAVAIDS		BEACON	NO CHANGE
VISUAL AIDS		PAPI 8-26	+REIL 8-26

RUNWAY END DATA

RUNWAY		EXISTING	ULTIMATE	EXIST. ELEV.	ULT. ELEV.
8	LATITUDE	33°15'32"N	NO CHANGE	519.12	NO CHANGE
	LONGITUDE	116°19'45"W	NO CHANGE		
26	LATITUDE	33°15'33"N	NO CHANGE	519.89	520 (Est.)
	LONGITUDE	116°18'46"W	116°18'34"W		

DEVIATIONS FROM FAA DESIGN STANDARDS

DESIGN STANDARD	STANDARD	EXISTING	DISPOSITION
RUNWAY - TAXIWAY SEPARATION	240' SEPARATION	237.5' SEPARATION	NEGLIGIBLE

EXISTING BUILDINGS / FACILITIES

NO.	DESCRIPTION	AGL	EST. MSL
1	T-HANGAR	21'	536'
2	T-HANGAR	20'	535'
3	T-HANGAR	17'	532'
4	RESTAURANT	21'	536'
5	ADMINISTRATION BUILDING	15'	530'
6	GARAGE	12'	527'
7	LIGHTING VAULT	12'	527'
8	ROTATING BEACON	60'	575'

NOTE: ESTIMATES BY SPONSOR (NAVD 27 DATUM)

JUNE 15, 2007

WADELL ENGINEERING CORPORATION
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1352-BORREGO-ALP-WEC-6-15-2007 1=1

COUNTY OF SAN DIEGO
DEPARTMENT OF PUBLIC WORKS
5555 OVERLAND AVENUE, SAN DIEGO, CA 92123-1295

RECOMMENDED BY: VIKI COLE, AIRPORT MANAGER — DATE 6-26-07
ERIC NELSON, AIRPORT ENGINEER — DATE 7/12/07
APPROVED BY: PETER DRINKWATER, AIRPORTS DIRECTOR — DATE 7/15/07

	REVISIONS	BY	APPROVED	DATE
3	COMPLETION OF RUNWAY AND TAXIWAY REHAB	WEC		6-15-2007
2	INTERNAL UPDATE – NO FAA APPROVAL RECEIVED	WEC		4-13-2005
1	CONDITIONAL APPROVAL FOR RUNWAY EXTENSION	CSD		4-22-1996

COORDINATE INDEX _____ N. _____ E.
CONST. COMPL. _____
FIELD REVISIONS _____

BORREGO VALLEY AIRPORT
BORREGO SPRINGS, CALIFORNIA
AIRPORT LAYOUT PLAN

FILE NO.
SHEET 1 OF 3