Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: TEXTUAL DP	Date Open: 08/09/2011	Task #: 20110809218819 01001	Request #: 20110809218819
Procedure: RIVERSIDE CA KRAL AMDT 10		Airport ID: KRAL	Airport: RIVERSIDE MUNI		Reimbursable #:
City: RIVERSIDE	ST: CA	GPS #:		Estimated Chart Date: 09/20/2012	FICO #:
Fac ID:	Fac. Type: Proc-T	Specialist: MIKE MELSSEN			

Procedure Review

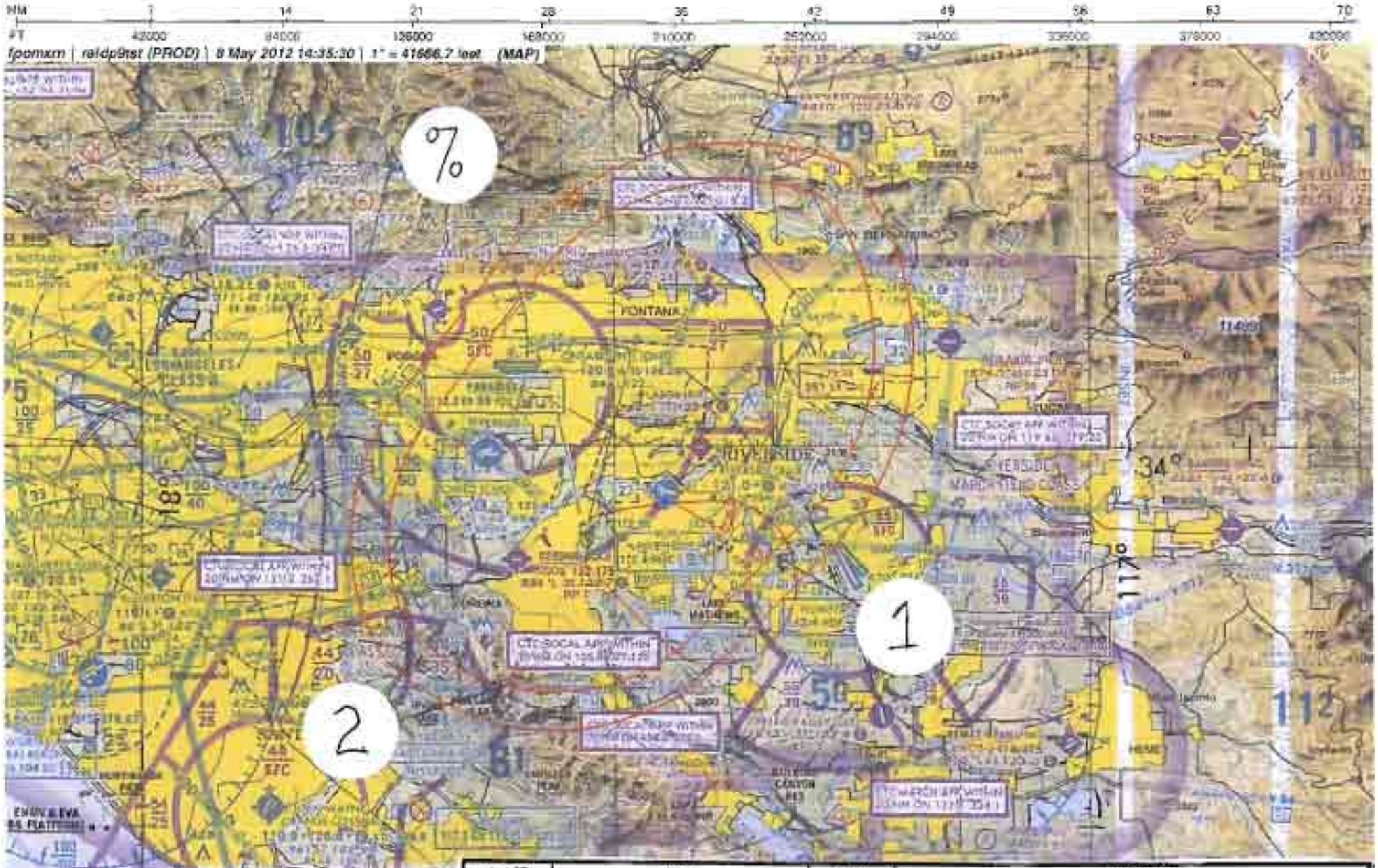
P2

	Rec'd	Rel'd	Full Name	Comments
Lead:	08/09/2011	06/22/2012	STEVEN SZUKALA	
QA:	06/22/2012	06/22/2012	STEVEN SZUKALA	
Liaison:	06/22/2012		K. Spurlin	P2;

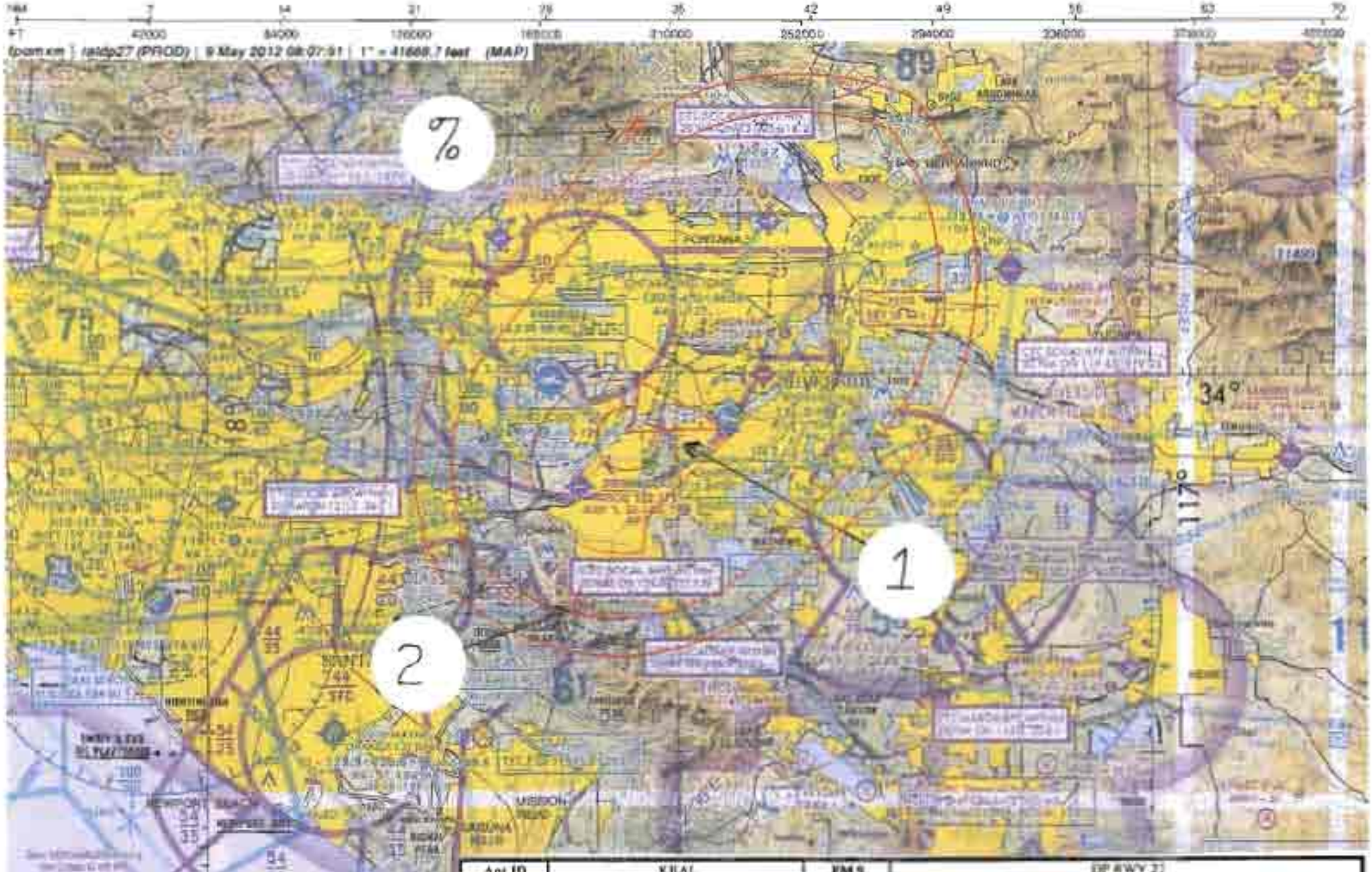
PAG 3 of 4

Procedure Comments: **Remark Type:** INFORMATION

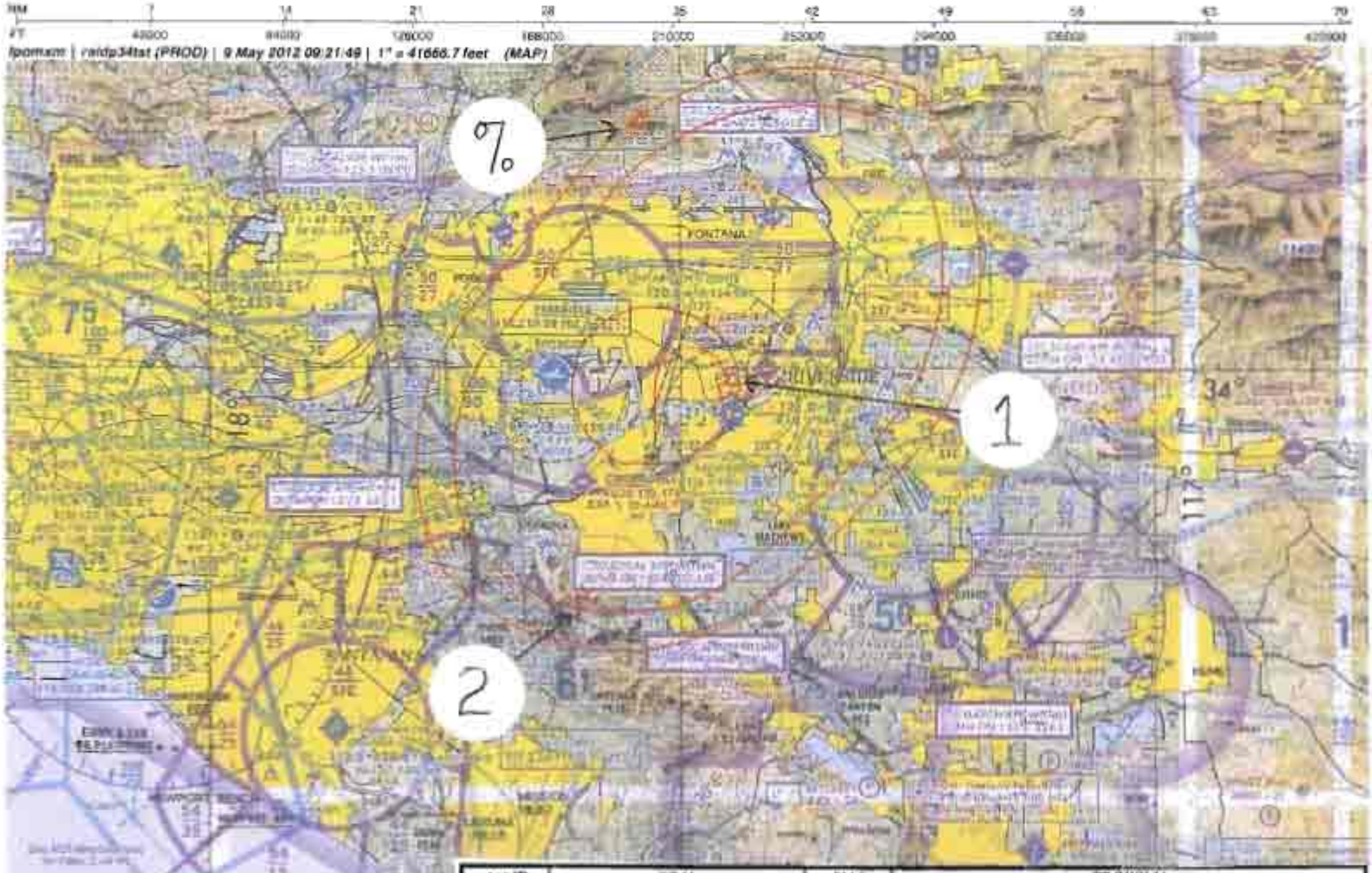
RIVERSIDE, CA, RIVERSIDE MUNI (KRAL); RNAV (GPS) RWY 9, AMDT 2; ENROUTE-NO: FC BY 8/7/12; PUB 9/20/12
ATTACHED FORMS: 8260-15A
8260-2 (1): PARADISE VORTAC, REV 21
CLEAR FDC NOTAM 2/6201
CONTACT: ADOLFO URRUTIA/LONNIE EVERHART-AVN 130 LEADS, 405 954 2079/405 954 4576



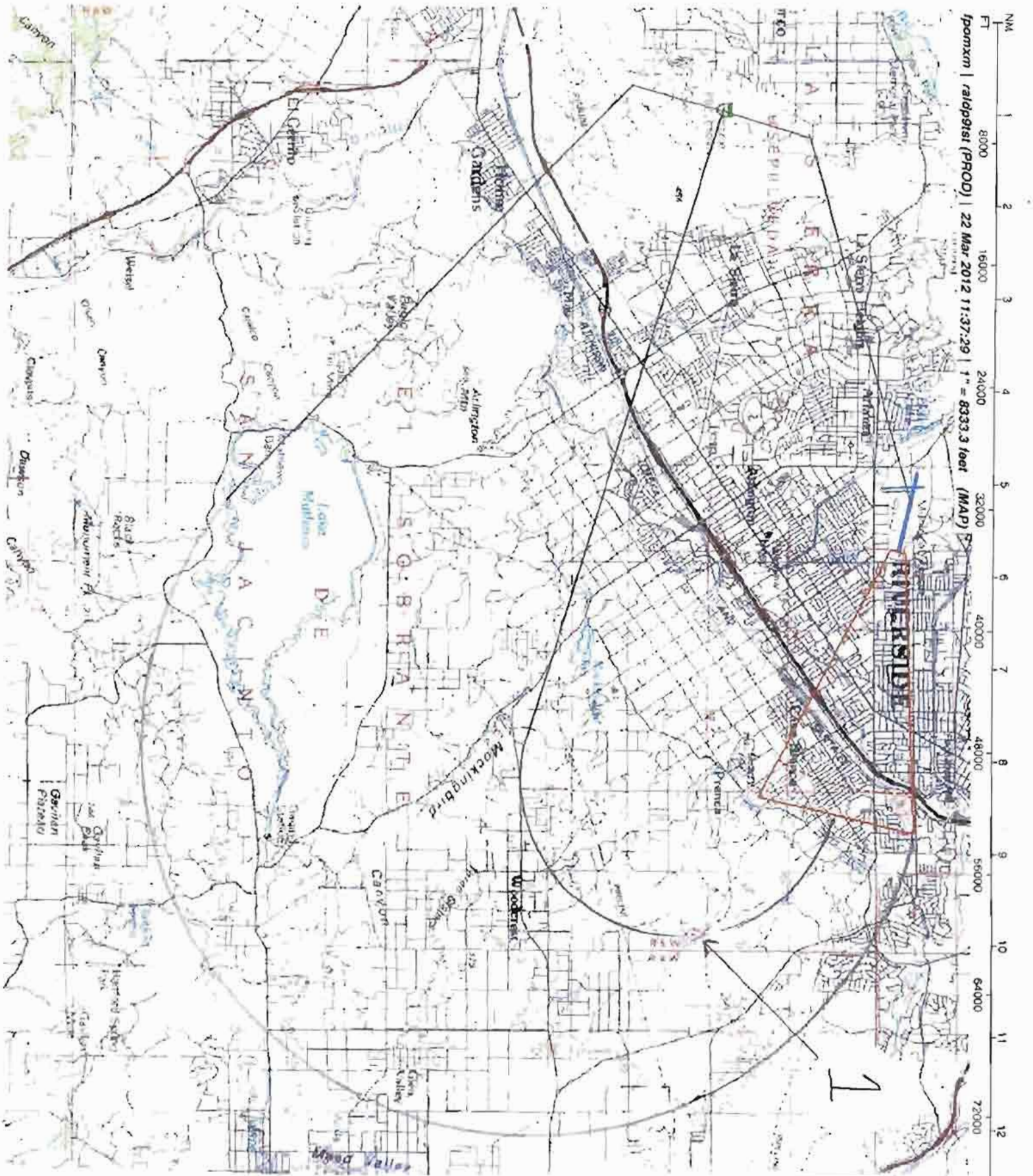
Apt ID	KRAL	FM 9	DP RWY 9		
Apt name	RIVERSIDE MUNI	No.	Segment	Obstruction	Elev MSL
City	RIVERSIDE	1	CLIMB GRADIENT	AAO	1799
State	CA	2	CLIMB-TO	AAO	4207
Proc ID	DP RWY 09	%	CIH	AAO	6677
Number	AMDT 10				
Scale	1:500,000				



Apt ID	XRAL	FMS	DP RWY 27		
Apt name	RIVERSIDE MUNI	No.	Segment	Obstruction	Elev MSL
City	RIVERSIDE	1	CLIMB GRADIENT	AAO	1719
State	CA	2	CLIMB-TO	AAO	4203
Proc ID	DP RWY 27	%	CIH	AAO	6677
Number	AMDT 10				
Scale	1:500,000				



Apt ID	KRAL	FMS	DP RWY 34		
Apt name	RIVERSIDE MUNI	No.	Segment	Obstruction	Elev MSL
City	RIVERSIDE	1	CLIMB GRADIENT	TREE	1442
State	CA	2	CLIMB-TO	AAO	4207
Proc ID	DP RWY 34	%	CLIMB-IN-HOLD	AAO	6677
Number	AMDT 10				
Scale	1:500,000				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NM
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8000
16000
24000
32000
40000
48000
56000
64000
72000
80000
RIVERSIDE
Mockingbird
Canyon
Wood Valley
Woodcrest
Prenda
Arlington
Gardens
Lake Mathews
Gavilan Plateau
Dawson
Canyon
Weitel
Canyon
Black Rock
Mountain Pass
Glen Valley
Highland Springs
Cherry Valley
Gilman Springs
Pass
Cajalco
Canyon
Temescal
Canyon
Lake Elsinore
Lake Matrix
Alberhill
Elsinore
Wildomar
Murrieta
Temecula
Menifee
Sun City
Perris
Moreno Valley
Riverside
Jurupa Valley
Corona
Norco
Eastvale
Mira Loma
Ontario
Rancho Cucamonga
Fontana
Rialto
Bloomington
Colton
Grand Terrace
Highland
Redlands
Loma Linda
Yucaipa
Calimesa
Beaumont
Cherry Valley
Banning
Cabazon
Desert Hot Springs
Palm Springs
Cathedral City
Rancho Mirage
Palm Desert
Indio
Coachella
Thermal
Mecca
Oasis
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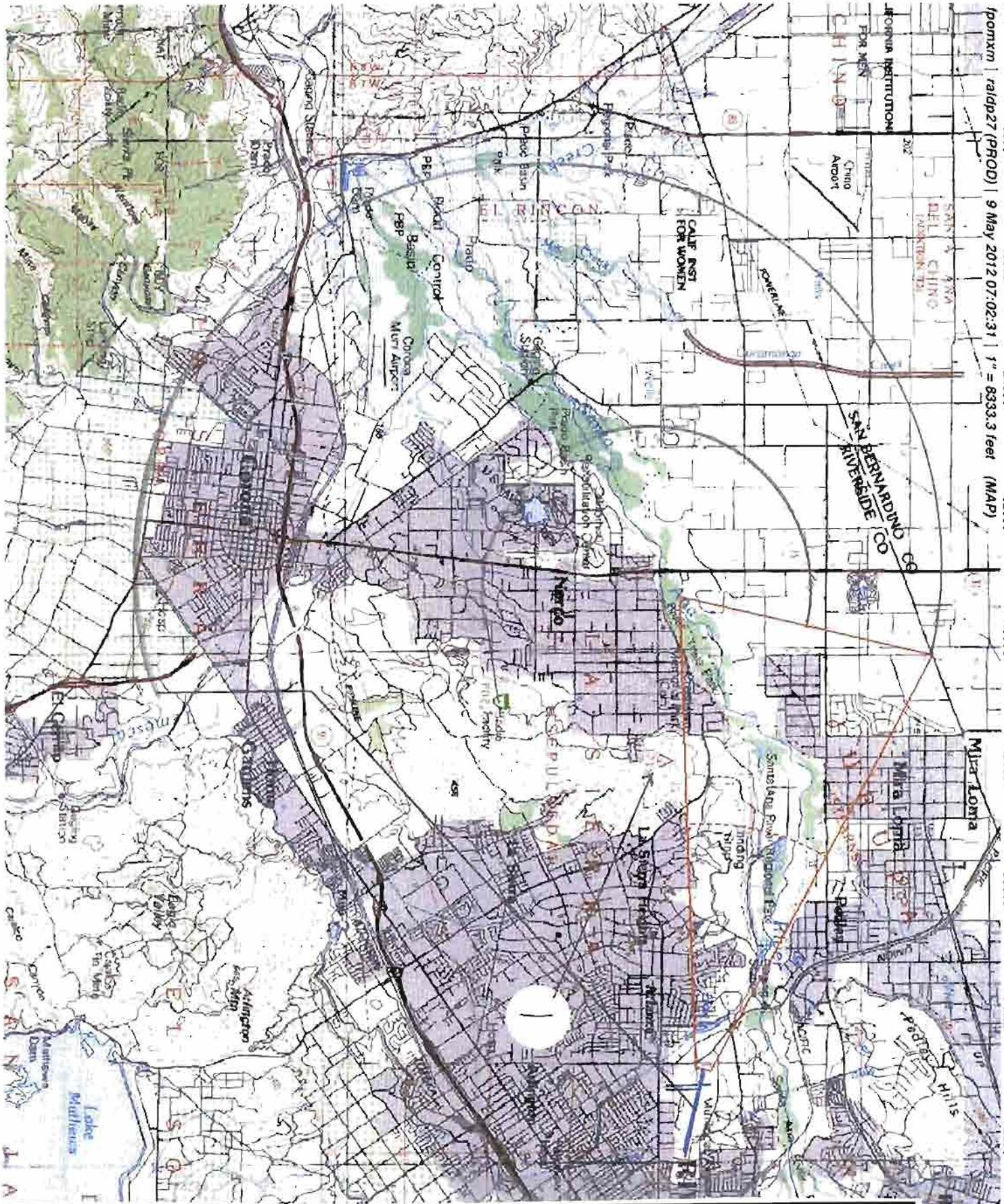
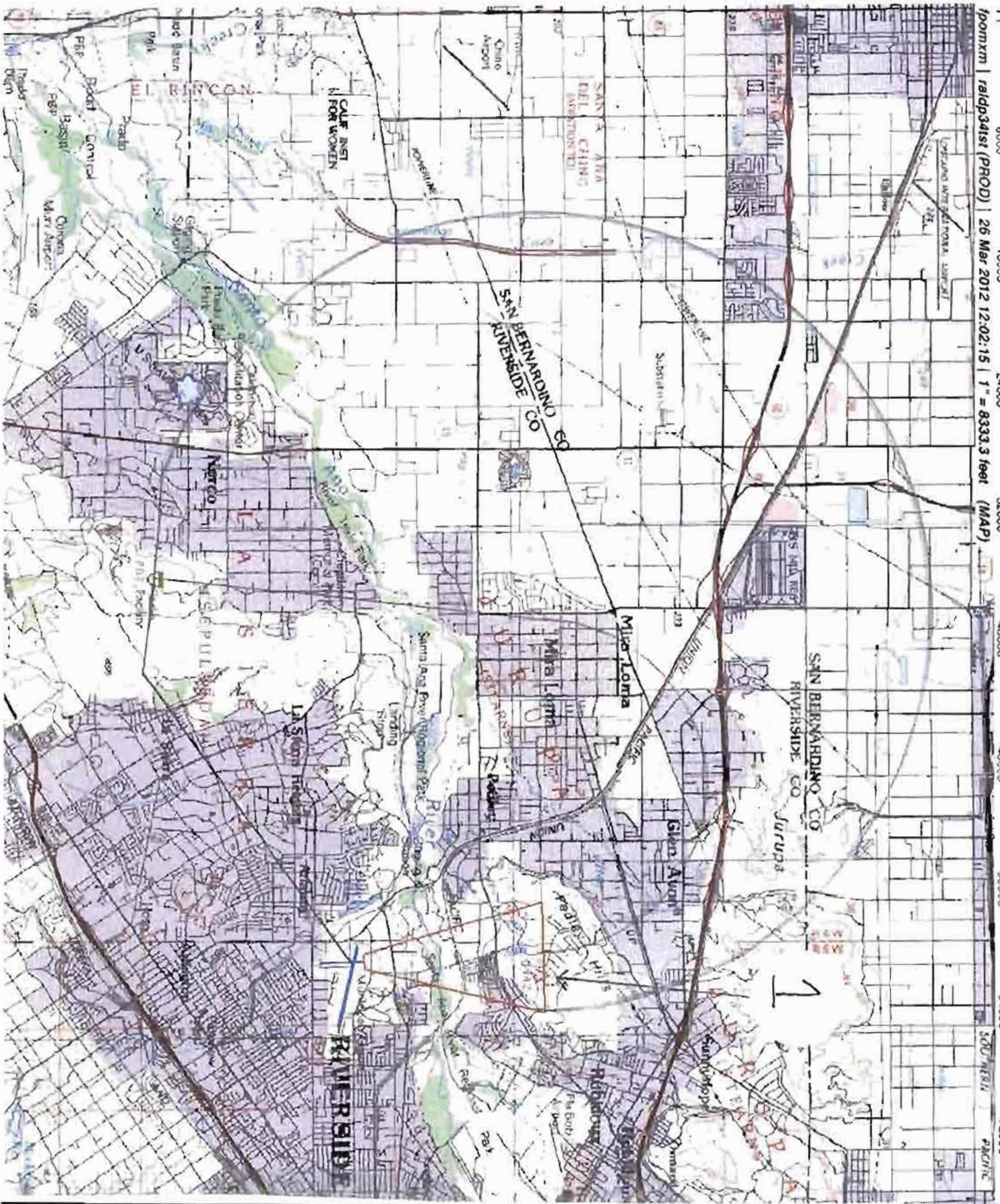
Coachella



Apt ID	KRAL	FM 9	DP RWY 27		
Apt name	RIVERSIDE MUNI	No.	Segment	Obstruction	Elev MSL
City	RIVERSIDE	1	CLIMB GRADIENT	AAO	1719
State	CA				
Proc ID	DP RWY 27				
Number	AMDT 10				
Scale	1:100,000				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NM
FT
8000
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24000
32000
40000
48000
56000
64000
72000
80000
SAN BERNARDINO CO
RIVERSIDE CO
Mira Loma
Glen Avon
Jurupa
RIVERSIDE
EL RINCON
CALIF INST FOR WOMEN
Chino Airport
Norco
Prado Park
Pedley
Rubidoux
Sunnyside
Santa Ana River
Santa Ana Preservation Park
Landing
Riverside Municipal Airport
Corona Municipal Airport
Prado Dam
Prado Basin
Pedley Park
Rubidoux Park
Sunnyside Park
Jurupa Mtns
Pedley Hills
Rubidoux Mtns
Sunnyside Hills
Pedley Hills
Jurupa Hills
Pedley Park
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Sunnyside Park
Jurupa Mtns
Pedley Hills
Rubidoux Mtns
Sunnyside

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
RIVERSIDE, CA	RIVERSIDE MUNI		10

TAKEOFF MINIMUMS:

RWY 16, NA – TERRAIN.
RWY 09, STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 5500.
RWY 27, STANDARD WITH MINIMUM CLIMB OF 310 FT PER NM TO 6800.
RWY 34, STANDARD WITH MINIMUM CLIMB OF 488 FT PER NM TO 3900.

TEXTUAL DEPARTURE PROCEDURES:

RWY 09 – CLIMB HEADING 089.04 TO 1700 THEN CLIMBING RIGHT TURN HEADING 210 TO INTERCEPT PDZ VORTAC R-093 TO PDZ VORTAC,
THENCE...
RWY 27 – CLIMB HEADING 269.05 TO 2200 THEN CLIMBING LEFT TURN DIRECT PDZ VORTAC, THENCE...
RWY 34 – CLIMB HEADING 343.54 TO 1800 THEN CLIMBING LEFT TURN HEADING 230 TO INTERCEPT PDZ VORTAC R-352 TO PDZ VORTAC,
THENCE...

...AIRCRAFT DEPARTING PDZ VORTAC R-091 CW R-140 AND R-231 CW R-280 CLIMB ON COURSE. ALL OTHERS CLIMB IN HOLDING PATTERN (HOLD NE, RT, 210 DEGREES INBOUND) TO CROSS PDZ VORTAC AT OR ABOVE; R-321 CW R-340 7800;
ALL OTHERS 7200 OR AIRWAY MEA.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, MULTIPLE TREES AND TERRAIN BEGINNING AT DER, 499 FEET LEFT OF CENTERLINE, UP TO 40 FT AGL/856 FT MSL. FENCE 78 FT FROM DER, 497 FT LEFT OF CENTERLINE, 6 FT AGL/826 FT MSL. TREES BEGINNING 605 FEET FROM DER, 591 FEET RIGHT OF CENTERLINE, UP TO 40 FEET AGL/867 FT MSL. TREES, BUSHES AND TERRAIN BEGINNING 947 FEET FROM DER, 535 FT LEFT OF CENTERLINE, UP TO 40 FEET AGL/866 FT MSL.

NOTE: RWY 27, MULTIPLE TREES AND POLES BEGINNING 602 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 40 FT AGL/790 FT MSL.

NOTE: RWY 34, VENT ON BUILDING, 30 FT FROM DER, 307 FT RIGHT OF CENTERLINE, 20 FT AGL/800 FT MSL. OL ON LIGHTED WSK, 62 FT FROM DER, 347 FT RIGHT OF CENTERLINE, 31 FT AGL/811 FT MSL. OL ON BLDG, 63 FT FROM DER, 350 FT LEFT OF CENTERLINE, 37 FT AGL/796 FT MSL. TREES, TERRAIN, OL ON POLE AND OL ON LIGHTED POLE BEGINNING 193 FT FROM DER, 202 FT RIGHT OF CENTERLINE, UP TO 49 FT AGL/854 FT MSL. TREES AND LT ON POLE BEGINNING 300 FT FROM DER, 203 FT LEFT OF CENTERLINE, UP TO 55 FT AGL/814 FT MSL. VENT ON BLDG 1214 FT FROM DER, 377 FT LEFT OF CENTERLINE, 73 FT AGL/832 FT MSL. POLE, 1915 FT FROM DER, 135 FT LEFT OF CENTERLINE, 55 FT AGL/834 FT MSL. TERRAIN, TREES, BUILDING AND ANT ON TANK, BEGINNING 1.49 NM FROM DER, 250 FT RIGHT AND LEFT OF CENTERLINE, UP TO 50 FT AGL/1369 FT MSL.

CONTROLLING OBSTACLES:

RWY 09: 1799 FT MSL AAO 335447.98N/1172104.65W
RWY 27: 1719 FT MSL AAO 335645.00N/1173103.00W
RWY 34: 1442 FT MSL TREE 335906.98N/1172643.57W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:
RWY 09: 8603 FT MSL TOWER 341247.00N/1165202.10W
RWY 27: 5807 FT MSL TOWER 334241.26N/1173159.09W
RWY 34: 8603 FT MSL TOWER 341247.00N/1165202.10W

QUALITY CHECKED 1

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
RIVERSIDE, CA	RIVERSIDE MUNI		10

REMARKS:

RWY 9: 300 FT PER NM CLIMB GRADIENT USED TO AVOID OUTER BOUNDRY FROM OVERFLYING MARCH ARB.
VCOA NOT DEVELOPED PER ATC REQUEST.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY;

ADOLFO URRUTIA (MIKE MELSSEN) AJV-354 03/22/12

APPROVED BY:

DEZ SILAGYI AJV-354

COORDINATED WITH:

ALPA, AOPA, NBAA, LAX FPT, ZLA, SOCAL APP CON, RAL ATCT

CHANGES:

1. **TAKEOFF MINIMUMS, RWY 9 –** CHANGED FROM CAT A,B 1200-2 OR STANDARD WITH A MIN. CLIMB OF 210' PER NM TO 2300; CAT C,D 2100-2 OR STANDARD WITH A MIN. CLIMB OF 240 FT PER NM TO 3500; TO STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 5500.
2. **TAKEOFF MINIMUMS, RWY 27 –** CHANGED FROM CAT C,D 2400-2 OR STANDARD WITH A MIN. CLIMB OF 230 FT PER NM TO 3800; TO STANDARD WITH MINIMUM CLIMB OF 310 FT PER NM TO 6800.
3. **TAKEOFF MINIMUMS, RWY 34 –** CHANGED FROM CAT A,B 700-2 OR STANDARD WITH A MIN. CLIMB OF 400 FT PER NM TO 1600; CAT C,D 1600-2 OR STANDARD WITH A MIN. CLIMB OF 400 FT PER NM TO 2600; TO STANDARD WITH MINIMUM CLIMB OF 488 FT PER NM TO 3900.
4. **TEXTUAL DEPARTURE PROCEDURES, RWY 9 –** FROM CLIMBING RIGHT TURN, TO CLIMB HEADING 089.04 TO 1700 THEN CLIMBING RIGHT TURN TO INTERCEPT THE PDZ VORTAC RADIAL 093 TO PDZ VORTAC
5. **TEXTUAL DEPARTURE PROCEDURES, RWY 27 –** FROM CLIMB HEADING 280 DEGREES TO 2000, THEN CLIMBING LEFT TURN; TO CLIMB HEADING 268.05 TO 2200 THEN CLIMBING LEFT TURN DIRECT PDZ VOR
6. **TEXTUAL DEPARTURE PROCEDURES, RWY 34 –** FROM CLIMBING LEFT TURN; TO CLIMB HEADING 343.54 TO 1800 THEN CLIMBING LEFT TURN TO INTERCEPT THE PDZ VORTAC RADIAL352 TO PDZ VORTAC.
7. **TEXTUAL DEPARTURE PROCEDURES,** ALL AIRCRAFT – FROM CLIMB DIRECT PDZ VORTAC. ALL AIRCRAFT DEPARTING PDZ R-091 CW R-140 AND R-231 CW R-280 CLIMB ON COURSE. ALL OTHERS CONTINUE CLIMB IN PDZ VORTAC HOLDING PATTERN (NE, RIGHT TURNS, 210 DEGREES INBOUND) TO CROSS PDZ VORTAC AT OR ABOVE: R-281 CW R-090, 6700; R-141 SW R-230, 4000; OR AIRWAY MEA; TO ALL AIRCRAFT CLIMB DIRECT PDZ VORTAC. AIRCRAFT DEPARTING PDZ R-091 CW R-140 AND R-231 CW R-280 CLIMB ON COURSE. ALL OTHERS CLIMB IN THE PDZ VOR HOLDING PATTERN (HOLD NE, RT, 219 DEGREES INBOUND) TO CROSS PDZ VORTAC AT OR ABOVE: R-321 CW R-340, 7800; ALL OTHERS 7200 OR AIRWAY MEA.

REASONS:

1-7. NEW CONTROLLING OBSTACLES IN BOTH ROUTE AND THE CLIMB-IN-HOLD EVALUATION AS WELL AS CURRENT CRITERIA REQUIRING THE USE OF AAO IN LOCATIONS NOT PREVIOUSLY REQUIRED.

07/31/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/22/12.
1. CHANGED TEXTUAL DEPARTURE PROCEDURES RWY 09 FROM "CLIMBING RIGHT TURN TO INTERCEPT PDZ VORTAC R-093 TO PDZ VORTAC" TO "CLIMBING RIGHT TURN HEADING 210 TO INTERCEPT PDZ VORTAC R-093 TO PDZ VORTAC"
2. CHANGED TEXTAUL DEPARTURE PROCEDURES RWY 34 FROM "CLIMBING LEFT TURN TO INTERCEPT PDZ VORTAC R-352 TO PDZ VORTAC" TO "CLIMBING LEFT TURN HEADING 230 TO INTERCEPT PDZ VORTAC R-352 TO PDZ VORTAC"

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PARADISE VORTAC **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 335506.01N/1173147.99W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	PARADISE	PDZ	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	PDZ	VORTAC	030.00	210.00	R	1-1 1/2	-	3500	17500	4	16
2	E	PDZ	VORTAC	078.00	258.00	R	1-1 1/2	-	3100	17500	4	16
3	E		WP	078.00	258.00	R		4	3200	17500	5	17
4	E	PDZ	VORTAC	089.00	269.00	R	1-1 1/2		4600	17500	5	16
5	E	PDZ	VORTAC	078.00	258.00	R	1-1 1/2		4500	17500	5	16
6	E		WP	078.00	258.00	R		5	4600	17500	6	17
7	NE	PDZ	VORTAC	030.00	210.00	R	1-1 1/2		7200	17500	8	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	340203.00N/1172639.00W	2487	4E
2	200	AAO	335215.00N/1172818.00W	2041	4E
3	200	AAO	335800.00N/1171718.00W	3160	4E
4	200	AAO	335215.00N/1172818.00W	2041	4E
4	310	AAO	334748.50N/1173614.80W	4207	5E
5	200	AAO	335800.00N/1171718.00W	3160	4E
5	310	AAO	334748.50N/1173614.80W	4207	5E
6	200	TOWER (06-002098)	335755.00N/1171706.00W	3239	5E
6	310	AAO	334748.50N/1173614.80W	4207	2C
7	230	AAO	334815.00N/1173615.00W	3698	4E
7	310	AAO	341254.00N/1173233.00W	6677	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
4	310	100
5	310	97
6	310	108
7	310	350

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
4	VOR-A	KRAL	RIVERSIDE	CA (US)
4	VOR -B	KRAL	RIVERSIDE	CA (US)
4	VOR RWY 9	KRAL	RIVERSIDE	CA (US)
5	IFR TAKE-OFF	KRIR	RIVERSIDE/RUBIDOUX	CA (US)
5	LOC Y RWY 6	KSBD	SAN BERNARDINO	CA (US)
5	ILS OR LOC Z RWY 6	KSBD	SAN BERNARDINO	CA (US)
5	IFR TAKE-OFF	KCCB	UPLAND	CA (US)
6	RNAV (RNP) Z RWY 08L	KONT	ONTARIO	CA (US)
6	RNAV (GPS) Y RWY 08L	KONT	ONTARIO	CA (US)
7	IFR TAKE-OFF	KREI	REDLANDS	CA (US)
7	IFR TAKE-OFF	KSBD	SAN BERNARDINO	CA (US)
7	IFR TAKE-OFF	KEMT	EL MONTE	CA (US)
7	IFR TAKE-OFF	KAJO	CORONA	CA (US)
7	IFR TAKE-OFF	KL67	RIALTO	CA (US)
7	IFR TAKE-OFF	KRAL	RIVERSIDE	CA (US)
7	IFR TAKE-OFF	KONT	ONTARIO	CA (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PATTERN 3 CONTROLLING OBSTACLE LOCATED 11892 FT. IN SECONDARY.
PATTERN 4 310 KT CONTROLLING OBSTACLE LOCATED 7260 FT. IN SECONDARY.
PATTERN 5 CONTROLLING OBSTACLE LOCATED 6597 FT. IN SECONDARY.
PATTERN 6 CONTROLLING OBSTACLE LOCATED 9456 FT. IN SECONDARY.
PATTERN 7 230 KT CONTROLLING OBSTACLE LOCATED 12112 FT. IN SECONDARY.
PATTERN 7 310 KT CONTROLLING OBSTACLE LOCATED 9779 FT. IN SECONDARY.

QUALITY CHECKED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	IFR TAKE-OFF		2	KCNO	CHINO	CA (US)
DP	IFR TAKE-OFF		7	KAJO	CORONA	CA (US)
DP	IFR TAKE-OFF		7	KEMT	EL MONTE	CA (US)
DP	ANAHEIM			KFUL	FULLERTON	CA (US)
DP	ANAHEIM			KLGB	LONG BEACH	CA (US)
DP	IFR TAKE-OFF		7	KONT	ONTARIO	CA (US)
DP	PRADO			KONT	ONTARIO	CA (US)
DP	CATHEDRAL			KPSP	PALM SPRINGS	CA (US)
DP	PALM SPRINGS			KPSP	PALM SPRINGS	CA (US)
DP	IFR TAKE-OFF		7	KREI	REDLANDS	CA (US)
DP	IFR TAKE-OFF		7	KL67	RIALTO	CA (US)
DP	IFR TAKE-OFF		7	KRAL	RIVERSIDE	CA (US)
DP	SKYES			KRIV	RIVERSIDE	CA (US)
DP	IFR TAKE-OFF		5	KRIR	RIVERSIDE/RUBIDOUX	CA (US)
DP	IFR TAKE-OFF		7	KSBD	SAN BERNARDINO	CA (US)
DP	ANAHEIM			KSNA	SANTA ANA	CA (US)
DP	EL TORO			KSNA	SANTA ANA	CA (US)
DP	IRVINE			KSNA	SANTA ANA	CA (US)
DP	MUSEL			KSNA	SANTA ANA	CA (US)
DP	IFR TAKE-OFF		5	KCCB	UPLAND	CA (US)
DP	GLENDALE			KVNY	VAN NUYS	CA (US)
EN ROUTE	J128					(US)
EN ROUTE	J50					(US)
EN ROUTE	J50-74-96					(US)
EN ROUTE	J60-64-107					(US)
EN ROUTE	J60-74-96					(US)
EN ROUTE	J93					(US)
EN ROUTE	T306					(US)
EN ROUTE	V16-370					(US)
EN ROUTE	V186					(US)
EN ROUTE	V197					(US)
EN ROUTE	V388					(US)
EN ROUTE	V442					(US)
EN ROUTE	V8-21					(US)
IAP	ILS OR LOC RWY 26R			KCNO	CHINO	CA (US)
IAP	RNAV (GPS) RWY 26R			KCNO	CHINO	CA (US)
IAP	VOR RWY 26R			KCNO	CHINO	CA (US)
IAP	VOR OR GPS-A		2	KAJO	CORONA	CA (US)
IAP	NDB OR GPS-C			KEMT	EL MONTE	CA (US)
IAP	VOR OR GPS-A			KEMT	EL MONTE	CA (US)
IAP	VOR/DME OR GPS-B			KEMT	EL MONTE	CA (US)
IAP	ILS RWY 26L		2	KPOC	LA VERNE	CA (US)
IAP	LOC RWY 26L		2	KPOC	LA VERNE	CA (US)
IAP	RNAV (GPS) RWY 26L			KPOC	LA VERNE	CA (US)
IAP	VOR OR GPS-A			KPOC	LA VERNE	CA (US)
IAP	ILS OR LOC RWY 08L			KONT	ONTARIO	CA (US)
IAP	ILS OR LOC RWY 26L			KONT	ONTARIO	CA (US)
IAP	ILS OR LOC RWY 26R		2	KONT	ONTARIO	CA (US)
IAP	ILS RWY 26L (CAT II)			KONT	ONTARIO	CA (US)
IAP	ILS RWY 26L (CAT III)			KONT	ONTARIO	CA (US)
IAP	INTERSTATE VISUAL RWY 08L			KONT	ONTARIO	CA (US)
IAP	RNAV (GPS) RWY 08R		3	KONT	ONTARIO	CA (US)
IAP	RNAV (GPS) Y RWY 08L		6	KONT	ONTARIO	CA (US)
IAP	RNAV (GPS) Y RWY 26L		3	KONT	ONTARIO	CA (US)
IAP	RNAV (GPS) Y RWY 26R		3	KONT	ONTARIO	CA (US)
IAP	RNAV (RNP) Z RWY 08L		6	KONT	ONTARIO	CA (US)
IAP	RNAV (RNP) Z RWY 26L		3	KONT	ONTARIO	CA (US)
IAP	RNAV (RNP) Z RWY 26R		3	KONT	ONTARIO	CA (US)
IAP	VOR/DME RWY 08R		2	KONT	ONTARIO	CA (US)
IAP	HI-ILS/DME RWY 25			KPMD	PALMDALE	CA (US)
IAP	HI-TACAN RWY 25			KPMD	PALMDALE	CA (US)
IAP	GPS-A			KREI	REDLANDS	CA (US)
IAP	NDB OR GPS-A			KL67	RIALTO	CA (US)
IAP	ILS OR LOC RWY 9		2, 5	KRAL	RIVERSIDE	CA (US)
IAP	VOR -B		4	KRAL	RIVERSIDE	CA (US)
IAP	VOR RWY 9		4	KRAL	RIVERSIDE	CA (US)
IAP	VOR-A		4	KRAL	RIVERSIDE	CA (US)
IAP	HI-TACAN RWY 32			KRIV	RIVERSIDE	CA (US)
IAP	HI-VOR RWY 32			KRIV	RIVERSIDE	CA (US)
IAP	ILS OR LOC Y RWY 32			KRIV	RIVERSIDE	CA (US)
IAP	VOR RWY 32			KRIV	RIVERSIDE	CA (US)
IAP	RNAV (GPS)-A		3	KRIR	RIVERSIDE/RUBIDOUX/	CA (US)
IAP	ILS OR LOC Z RWY 6		5	KSBD	SAN BERNARDINO	CA (US)
IAP	LOC Y RWY 6		5	KSBD	SAN BERNARDINO	CA (US)
IAP	NDB RWY 06			KSBD	SAN BERNARDINO	CA (US)
IAP	RNAV (GPS) Y RWY 6		3	KSBD	SAN BERNARDINO	CA (US)
IAP	RNAV (GPS) Z RWY 6		3	KSBD	SAN BERNARDINO	CA (US)
IAP	ILS OR LOC RWY 19R			KSNA	SANTA ANA	CA (US)
IAP	VOR A		2	KCCB	UPLAND	CA (US)
STAR	FERNANDO			KBUR	BURBANK	CA (US)
STAR	FODRR			KCRQ	CARLSBAD	CA (US)
STAR	KAYOH			KLGB	LONG BEACH	CA (US)
STAR	BASET		1	KLAX	LOS ANGELES	CA (US)
STAR	DOWNE			KLAX	LOS ANGELES	CA (US)
STAR	KIMMO			KLAX	LOS ANGELES	CA (US)
STAR	REDEYE		1	KLAX	LOS ANGELES	CA (US)

QUALITY CHECKED

STAR	REEDR	KLAX	LOS ANGELES	CA (US)
STAR	RIIVR	KLAX	LOS ANGELES	CA (US)
STAR	SEAVU	KLAX	LOS ANGELES	CA (US)
STAR	SETER	KONT	ONTARIO	CA (US)
STAR	ZIGGY	KONT	ONTARIO	CA (US)
STAR	ARKOE	KRIV	RIVERSIDE	CA (US)
STAR	MARCH	KRIV	RIVERSIDE	CA (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, AREA, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED PATTERN 4,5 CONTROLLING OBSTRUCTIONS.
UPDATED PATTERN 4,6 310 KT CONTROLLING OBSTRUCTION ACCURACY CODE.
PATTERN 4 310 KT OBSTACLE LOCATED 7288 FT IN SECONDARY.

DEVELOPED BY: **DATE:** 01/18/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (MIKE MELSSEN)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZLA
ATC FACILITY: SOCAL APP CON
OTHER: KONT ATCT

QUALITY CHECKED