

OBSTRUCTION DATA SHEET

**ODS 36
MEADOWS FIELD
BAKERSFIELD, CALIFORNIA**

DIGITIZED FROM

**OC 36
SURVEYED 4 NOVEMBER 1992
11TH EDITION**

**HORIZONTAL DATUM NAD83
VERTICAL DATUM NGVD29**



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OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA No. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS and the OC depict a representation of objects that existed at the time of the OC field survey.

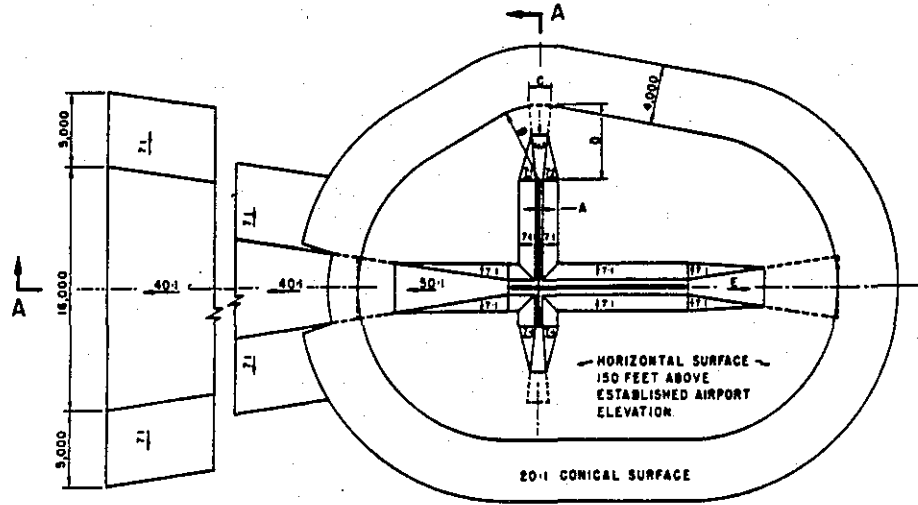
ODS information is arranged as follows:

1. Objects located in an FAR-77 approach or primary and listed with the associated runway (reference runway).
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

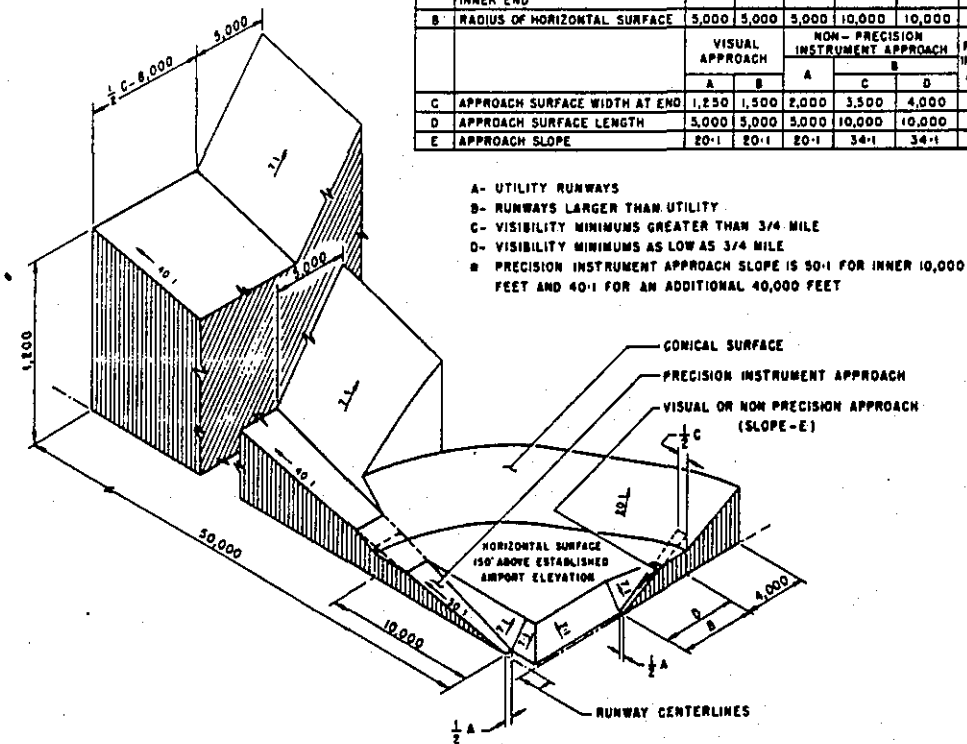
The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows:

- A(V) Utility runway - visual approach only
- A(NP) Utility runway - nonprecision instrument approach
- B(V) Nonutility runway - visual approach only
- C Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
- D Nonutility runway- nonprecision instrument approach with visibility minimums as low as 3/4 mile
- PIR Precision instrument runway
- SUPLC Supplemental C underlying a B(V)

FAR-77 imaginary surface dimensions are defined on page 2 of this report.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B		
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
C	APPROACH SURFACE WIDTH AT END	VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH		PRECISION INSTRUMENT APPROACH	
		A	B	A	B		
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	•
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	•



- A- UTILITY RUNWAYS
- B- RUNWAYS LARGER THAN UTILITY
- C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
- D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
- PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET

ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

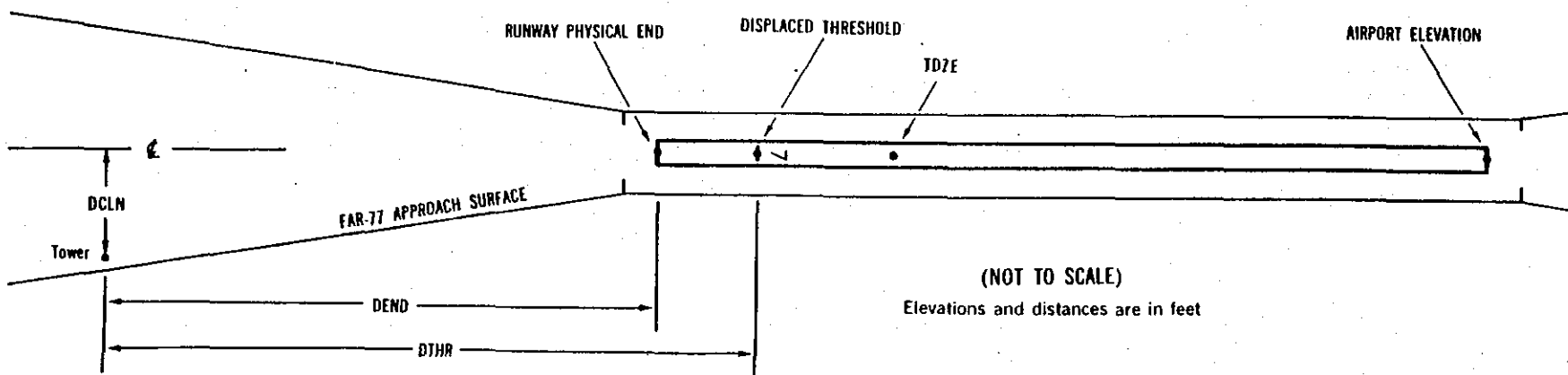
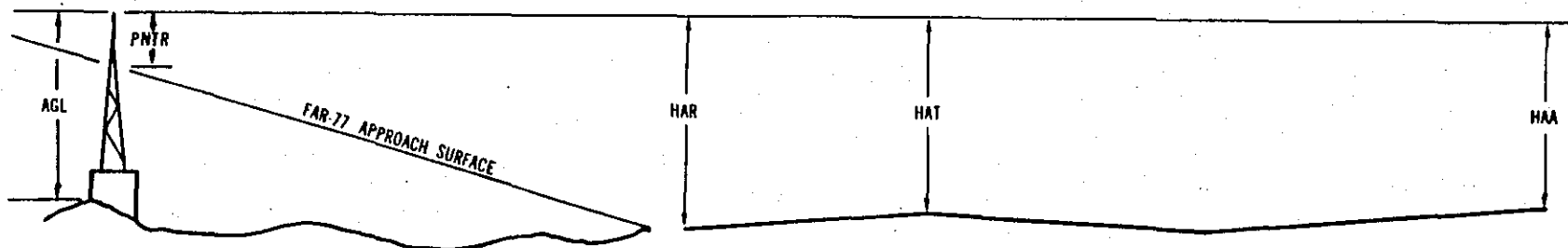
ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

x¹ x² XXXX/XXXX³ XXXXXX.XXX⁴ XXXXXX.XXX⁴ XXXXXXX⁵ XXXX/XXXX⁶ XXXXXX.XXX⁷ XXXXXX.XXX⁷

OBJECT	LAT	LONG	A ⁸	ELEV ⁹	AGL ¹⁰	HAR ¹¹	HAT ¹¹	HAA ¹¹	DEND ¹²	DTHR ¹²	DCLN ¹²	PNTR ¹³
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXX



EXPLANATION OF FOOTNOTES

- 1 Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary areas of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.
- 2 For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed).
- 3 Elevation at approach end of reference runway/touchdown zone elevation
- 4 Latitude and longitude at approach end of reference runway
- 5 Geodetic azimuth of reference runway reckoned from north
- 6 Elevation at reference runway displaced threshold/touchdown zone elevation
- 7 Latitude and longitude at reference runway displace threshold
- 8 Accuracy codes: Horizontal Vertical
 1 = 20 A = 2
 2 = 40 B = 5
 C = 20
- 9 Elevation above mean sea level (MSL) at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.
- 10 Height above ground level (AGL). AGL's are provided only for manmade objects appearing on the OC and equal to or greater than 200 feet AGL. AGL accuracy is 10 feet.
- 11 HAA - Height above airport
 HAR - Height above approach end of reference runway
 HAT - Height above reference runway touchdown zone elevation
- 12 DEND - Distance along reference runway centerline from point nearest to object (perpendicular) to approach end of runway
 DTHR - Distance along reference runway centerline from point nearest to object (perpendicular) to displace threshold
 DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft
- A negative value for DEND or DTHR indicates that object is in primary on roll-out side of zero distance point.
- 13 PTNR - Penetration of indicated FAR-77 approach or primary surface (See footnote 2).

0C0036

AIRPORT ELEVATION 507

12L C 507/ 507 352646.830 -1190416.569 1351841.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL MM	352531.42	-1190250.55	1A	485		-22	-22	-22	-10427		300R	11
GROUND	352541.76	-1190252.66	1A	481		-26	-26	-26	-9560		311L	5
OL ON ELEC EQUIP	352544.74	-1190308.38	1A	480		-27	-27	-27	-8432		403R	0
OL AMOM	352602.81	-1190318.72	1A	520		13	13	13	-6530		274L	36
OL ON GS	352558.31	-1190324.72	1A	509		2	2	2	-6505		399R	24
OL ON TMOM	352558.61	-1190325.10	1A	496		-11	-11	-11	-6461		400R	11
OL ON LTD WSK	352601.68	-1190326.34	1A	498		-9	-9	-9	-6168		255R	13
OL ON TMOM	352602.27	-1190329.48	1A	496		-11	-11	-11	-5943		398R	10
GROUND	352616.82	-1190333.99	1A	492		-15	-15	-15	-4635		371L	2
GROUND	352623.94	-1190342.86	1A	494		-13	-13	-13	-3607		356L	2
OL ON LTD WSK	352641.55	-1190405.91	1A	518		11	11	11	-1000		251L	16
OL ON LOC	352648.96	-1190419.14	1A	515		8	8	8	303		OR	5
GROUND	352652.69	-1190415.57	1A	515		8	8	8	363		475L	3
OL ON DME	352651.40	-1190417.59	1A	532		25	25	25	388		265L	20
PUMP	352654.29	-1190416.45	1A	523		16	16	16	529		537L	6
POLE	352654.81	-1190428.17	1A	543		36	36	36	1249		115R	5
POLE	352703.45	-1190428.16	1A	551		44	44	44	1869		500L	-5
TRMSN TWR	352712.13	-1190456.71	1A	605		98	98	98	4155		562R	-18
TRMSN TWR	352726.30	-1190448.31	1A	616		109	109	109	4684		940L	-23
TRMSN TWR	352726.92	-1190456.52	1A	631		124	124	124	5206		501L	-23

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AIRPORT ELEVATION 507

3OR PIR 472/ 352530.482 -1190244.314 3151935. 482/ 490 352554.588 -1190313.435

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LTD WSK	352641.55	-1190405.91	1A	518		46	28	11	-9857	-6429	251R	16
GROUND	352623.94	-1190342.86	1A	494		22	4	-13	-7250	-3822	356R	2
GROUND	352616.82	-1190333.99	1A	492		20	2	-15	-6222	-2794	371R	2
OL ON TMOM	352602.27	-1190329.48	1A	496		24	6	-11	-4914	-1486	398L	10
OL ON LTD WSK	352601.68	-1190326.34	1A	498		26	8	-9	-4689	-1261	255L	13
OL ON TMOM	352558.61	-1190325.10	1A	496		24	6	-11	-4396	-968	400L	11
OL ON GS	352558.31	-1190324.72	1A	509		37	19	2	-4352	-924	399L	24
OL AMOM	352602.81	-1190318.72	1A	520		48	30	13	-4327	-899	274R	36
OL ON ELEC EQUIP	352544.74	-1190308.38	1A	480		8	-10	-27	-2425	1003	403L	0
GROUND	352541.76	-1190252.66	1A	481		9	-9	-26	-1297	2131	311R	5
OL MM	352531.42	-1190250.55	1A	485		13	-5	-22	-430	2998	300L	11
GROUND	352531.62	-1190236.96	1A	477		5	-13	-30	346	3774	514R	3
LT ON HANGAR	352522.23	-1190222.34	1A	498		26	8	-9	1872	5300	707R	-7
TREE	352519.66	-1190219.46	1A	533		61	43	26	2224	5652	694R	21
TREE	352515.09	-1190218.73	1A	522		50	32	15	2595	6023	412R	3

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AIRPORT ELEVATION 507

12R SUPLC 472/ 472 352551.349 -1190322.266 1351926.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE	352523.70	-1190252.55	1A	466		-6	-6	-41	-3717		217R	4
OL ON LTD WSK	352532.30	-1190302.29	1A	487		15	15	-20	-2532		179R	22
ELEC EQUIP	352544.41	-1190310.64	1A	472		0	0	-35	-1175		191L	3
GROUND	352553.02	-1190320.10	1A	475		3	3	-32	-6		246L	3
GROUND	352554.39	-1190321.83	1A	475		3	3	-32	193		242L	3
OL ON TMOM	352602.27	-1190329.48	1A	496		24	24	-11	1205		351L	-6
OL ON LTD WSK	352641.55	-1190405.91	1A	518		46	46	11	6149		1001L	-129
OL ON LOC	352648.96	-1190419.14	1A	515		43	43	8	7451		750L	-171
GROUND	352652.69	-1190415.57	1A	515		43	43	8	7511		1224L	-172
OL ON DME	352651.40	-1190417.59	1A	532		60	60	25	7536		1014L	-156
PUMP	352654.29	-1190416.45	1A	523		51	51	16	7678		1287L	-169
POLE	352646.44	-1190428.14	1A	530		58	58	23	7793		41L	-166
POLE	352654.81	-1190428.17	1A	543		71	71	36	8397		635L	-170
POLE	352703.45	-1190428.16	1A	551		79	79	44	9018		1250L	-181

30L SUPLC 461/ 470 352525.329 -1190250.837 3151944.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	352554.39	-1190321.83	1A	475		14	5	-32	-3893		242R	3
GROUND	352553.02	-1190320.10	1A	475		14	5	-32	-3694		246R	3
ELEC EQUIP	352544.41	-1190310.64	1A	472		11	2	-35	-2525		191R	3
OL ON LTD WSK	352532.30	-1190302.29	1A	487		26	17	-20	-1168		179L	22
FENCE	352523.70	-1190252.55	1A	466		5	-4	-41	18		217L	4
GROUND	352525.51	-1190247.02	1A	463		2	-7	-44	209		238R	1
TREE	352508.64	-1190234.73	1A	506		45	36	-1	2137		238L	-12

OC0036

AIRPORT ELEVATION 507

ARP 352600.953 -1190324.364

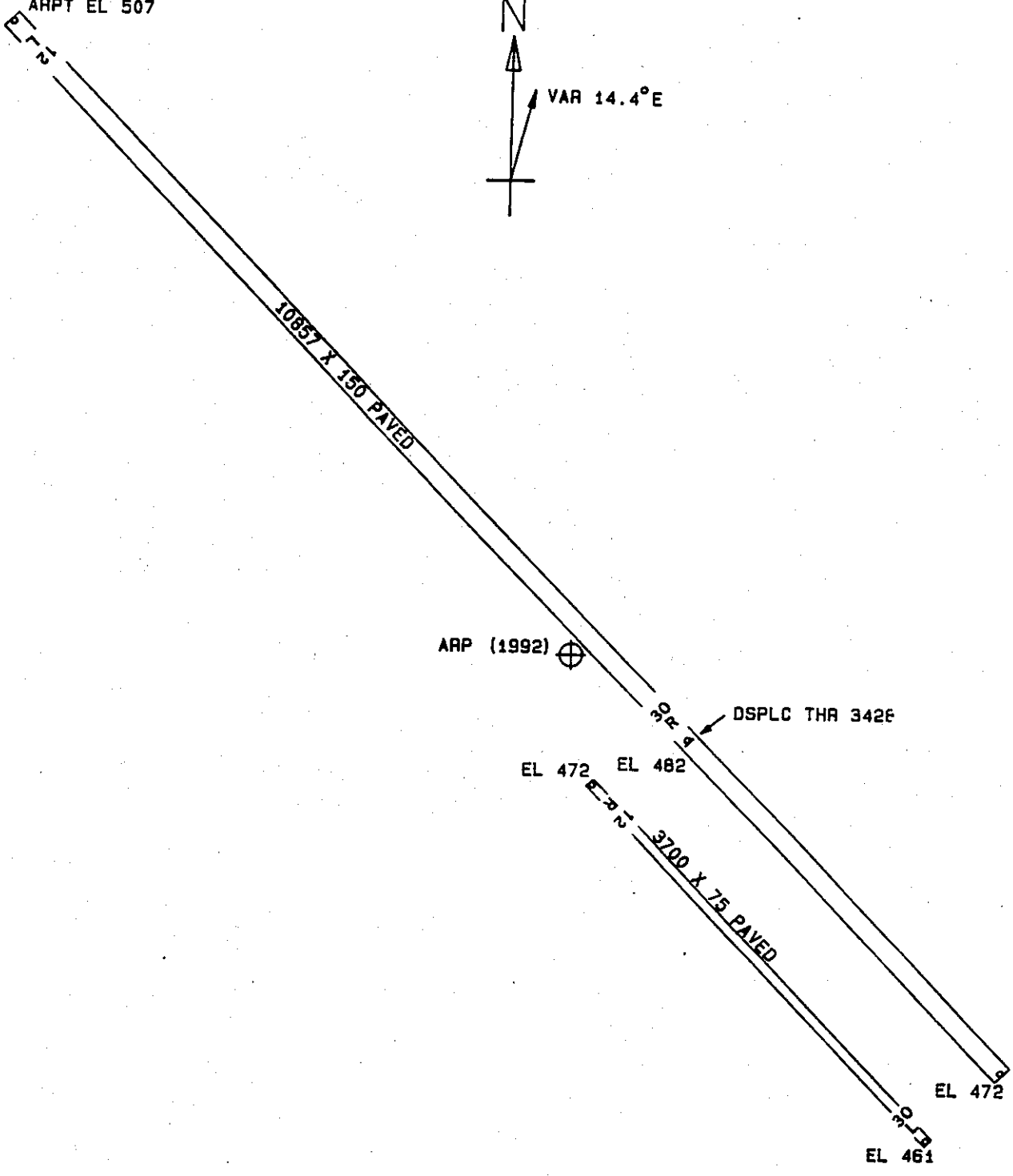
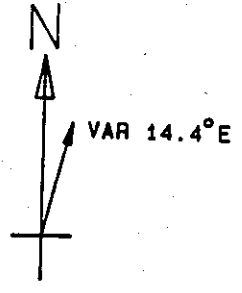
OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
ANT AND APBN ON OL ATCT	352602.12	-1190309.43	1A	580		73	7008	1241
FLGPL	352554.74	-1190257.52	1A	539		32	9123	2308
ROD ON OL ASR	352627.34	-1190335.43	1A	573		66	32639	2821
LIGHT	352550.26	-1190250.23	1A	543		36	9632	3025
FENCE	352633.80	-1190350.70	1A	510		3	31220	3973
TRMSN TWR	352629.12	-1190249.89	1B	642		135	3038	4031
ANT ON BLDG	352543.05	-1190239.95	1A	557		50	10149	4098
TRMSN TWR	352637.25	-1190300.53	1A	669		162	1350	4166
LT ON HANGAR	352535.43	-1190234.47	1A	532		25	10736	4869
TREE	352518.09	-1190251.89	1A	503		-4	13347	5100
OL TANK	352512.85	-1190344.85	1B	562		55	18449	5150
OL STACK	352643.92	-1190248.08	1A	681		174	2014	5281
LIGHT	352529.31	-1190230.22	1A	505		-2	11107	5505
TREE	352508.55	-1190243.77	1A	510		3	13313	6274
POLE	352654.84	-1190411.38	1A	559		52	31004	6695
TRMSN TWR	352628.95	-1190210.23	1B	672		165	5049	6756
TRMSN TWR	352707.07	-1190248.12	1B	665		158	945	7327
PIPE ON TANK	352639.46	-1190208.46	1A	666		159	4348	7390
TRMSN TWR	352715.68	-1190401.86	1B	650		143	32316	8168
TRMSN TWR	352706.98	-1190221.94	1A	718		211	2319	8441
OL TANK	352437.40	-1190250.58	1B	577		70	14717	8898
TRMSN TWR	352628.73	-1190138.34	1B	688		181	5750	9212
TREE	352717.15	-1190435.01	1A	610		103	30825	9670
TRMSN TWR	352704.71	-1190456.87	1A	593		86	29542	10008
TRMSN TWR	352726.86	-1190427.74	1B	662		155	31429	10146
TRMSN TWR	352654.22	-1190130.31	2C	759		252	4552	10866
TRMSN TWR	352637.51	-1190118.26	1B	736		229	5604	11070
GROUND	352710.49	-1190136.43	2C	754		247	3722	11366
POLE	352747.72	-1190428.03	1B	644		137	31935	12012
PIPE ON TANK	352706.08	-1190117.16	1A	790		283	4333	12416
GROUND	352757.29	-1190227.60	2C	769		262	721	12666

AIRPORT ELEVATION 507

ARP 352600.953 -1190324.364

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
GROUND	352750.38	-1190208.77	2C	795		288	1504	12710
POLE	352807.47	-1190320.09	1B	739		232	34711	12797
POLE	352727.47	-1190123.56	2C	926		419	3423	13283
TRMSN TWR	352722.14	-1190113.74	2C	904		397	3822	13573
POLE	352819.73	-1190316.05	2C	791		284	34824	14049
OL TWR	352732.76	-1190115.37	1A	1125	247	618	3434	14145
TANK	352821.50	-1190337.88	1B	752		245	34106	14255
POLE	352821.83	-1190303.67	2C	818		311	35227	14347
TANK	352805.30	-1190159.98	2C	850		343	1438	14381
POLE	352807.20	-1190156.38	2C	873		366	1517	14695
GROUND	352830.26	-1190414.76	2C	691		184	33009	15662
GROUND	352837.99	-1190320.50	2C	775		268	34645	15882
ANT ON OL TWR	352754.63	-1190106.96	2A	1281	353	774	3016	16167
POLE	352839.19	-1190353.49	2C	770		263	33702	16181
POLE	352844.45	-1190321.49	2C	816		309	34625	16533

ARPT EL 507



TOUCHDOWN ZONE RUNWAY ELEVATION	
12L	507
30R	490
12R	472
30L	470

MEADOWS FIELD
 BAKERSFIELD, CALIFORNIA
 (NOT TO SCALE)
 (ELEVATIONS AND DISTANCES IN FEET)