OBSTRUCTION DATA SHEET

ODS 5218
BRACKETT FIELD
LA VERNE, CALIFORNIA

DIGITIZED FROM

OC 5218
SURVEYED JANUARY 1990
5TH EDITION

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THE NATIONAL OCEAN SERVICE
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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 Nr. 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 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 FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)

2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

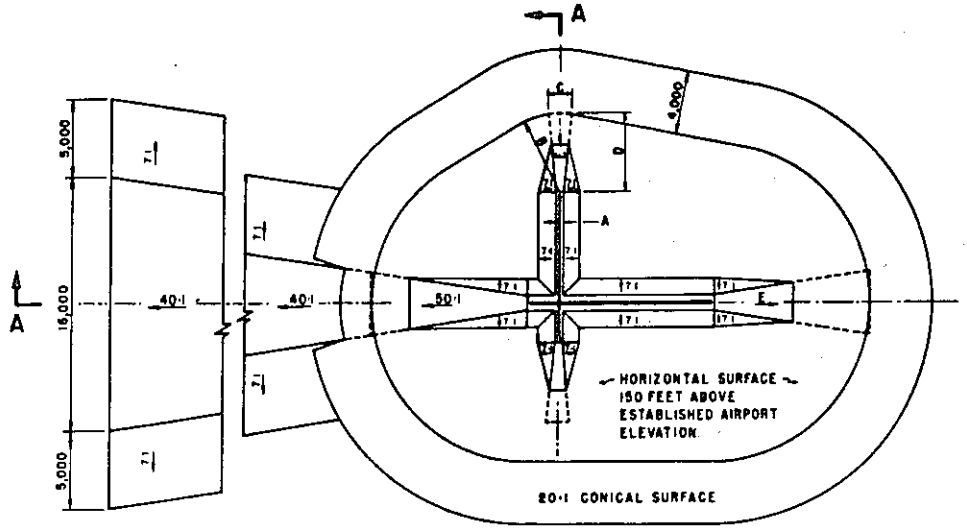
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows (see footnote 2 on page 3):

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)

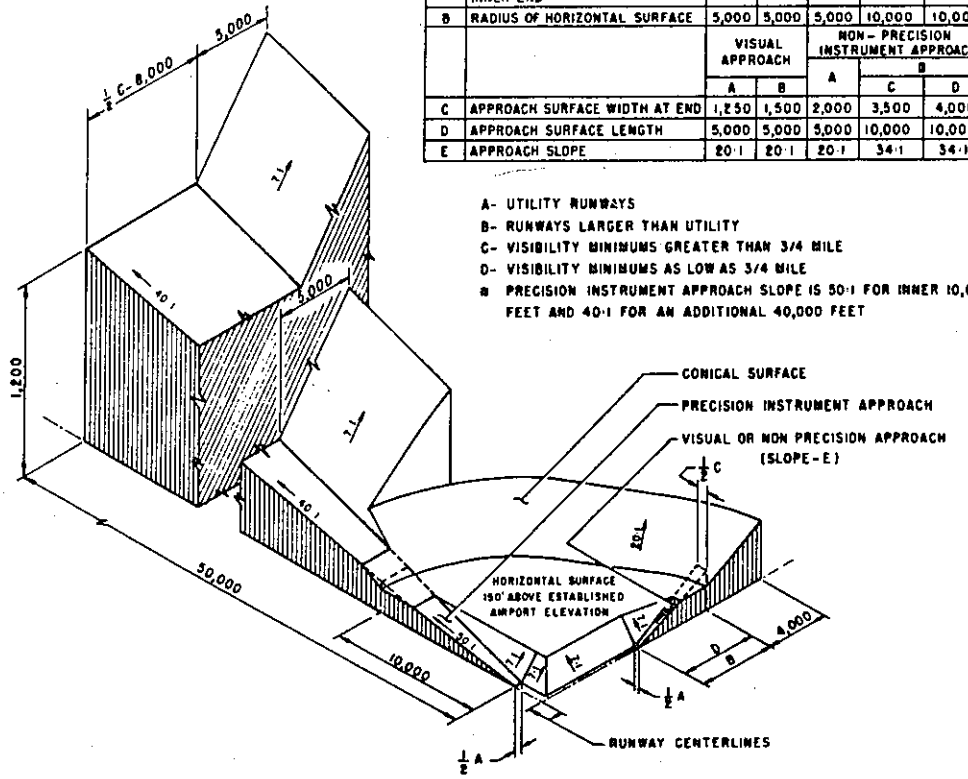
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B		
					C	D	
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
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B		
					C	D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	a
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	a

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
a 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

X[1] X[2] XXXX/XXXX[3] XXXXXX.XXX[4] XXXXXXX.XXX[4] XXXXXXX[5] XXXX/XXXX[6] XXXXXX.XXX[7] XXXXXXX.XXX[7]

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

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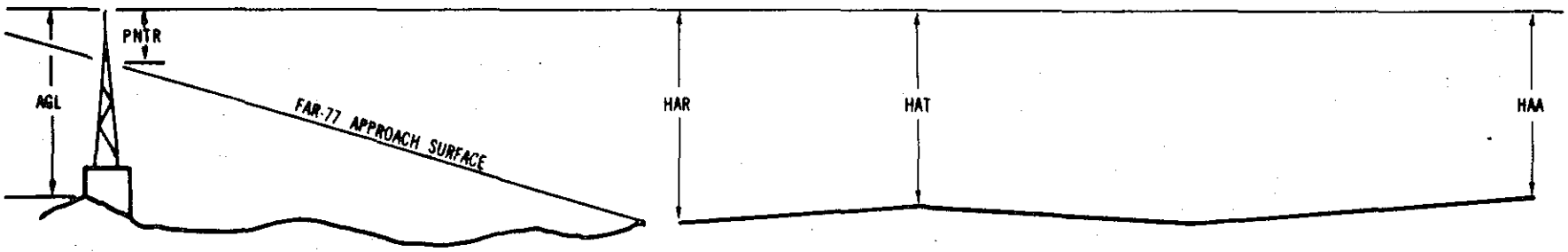
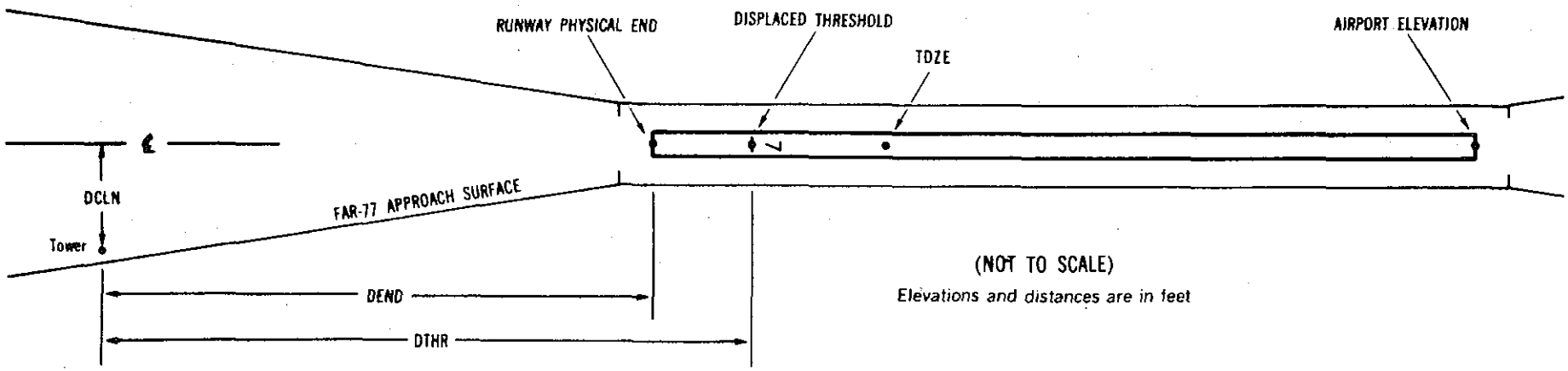




(NOT TO SCALE)

Elevations and distances are in feet

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 area 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] Reference runway approach physical end elevation/touchdown zone elevation

[4] Latitude and longitude of reference runway approach physical end

[5] Reference runway geodetic azimuth reckoned clockwise from south

[6] Reference runway displaced threshold elevation/touchdown zone elevation

[7] Latitude and longitude of reference runway displaced threshold

[8] Accuracy Code:

Horizontal	Vertical
1 = 20	A = 2
2 = 40	B = 5
	C = 20

[9] Mean Sea Level (MSL) elevation 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). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is ±10 feet.

[11] HAA - Height above airport
HAR - Height above reference runway approach physical end
HAT - Height above reference runway touchdown zone elevation

[12] DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end
DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway 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 object is in primary area on roll-out side of zero distance point.

[13] PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

OC5218

AIRPORT ELEVATION 1011

8L C 976/1005 340532.485N 11747 9.294W 2731158

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
HANGAR	340534.38	1174656.29	1A	1002		26	-3	-9	-1081		252L	15
OL ON LOCALIZER	340530.40	1174728.50	1A	973		-3	-32	-38	1601		301R	-44
TREE	340532.75	1174732.50	1A	1005		29	0	-6	1950		82R	-22
TREE	340531.32	1174733.18	1A	997		21	-8	-14	1999		229R	-32
TREE	340533.83	1174735.02	1A	1010		34	5	-1	2167		15L	-24
TREE	340531.75	1174736.49	1A	1006		30	1	-5	2279		202R	-31
TREE	340528.27	1174740.02	1A	1002		26	-3	-9	2557		570R	-43
VENT ON BUILDING	340536.64	1174754.69	1A	1048		72	43	37	3835		207L	-35
VENT ON BUILDING	340536.80	1174758.64	1A	1089		113	84	78	4168		204L	-4
OL POLE	340540.29	1174803.08	1A	1230		254	225	219	4560		535L	126
BUILDING	340536.18	1174804.08	1A	1092		116	87	81	4622		116L	-14

26R C 1011/1011 340530.461N 1174625.838W 0931223

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
HANGAR	340534.38	1174656.29	1A	1002		-9	-9	-9	-2579		252R	15
ROAD (N)	340530.05	1174618.70	1A	1026		15	15	15	602		8L	3
POLE	340532.06	1174614.12	1A	1049		38	38	38	975		217R	15
FLOODLIGHT POLE	340528.03	1174609.24	1A	1062		51	51	51	1408		167L	15
LIGHT POLE	340531.45	1174606.82	1A	1067		56	56	56	1591		189R	15
POLE	340529.28	1174605.46	1A	1067		56	56	56	1718		24L	11
LIGHT POLE	340529.13	1174602.27	1A	1085		74	74	74	1987		23L	21
POLE	340534.30	1174601.74	1A	1077		66	66	66	2002		501R	13
LIGHT POLE	340532.85	1174559.54	1A	1092		81	81	81	2195		365R	22
FLOODLIGHT POLE	340526.44	1174557.97	1A	1083		72	72	72	2363		274L	8
LIGHT POLE	340530.51	1174554.97	1A	1093		82	82	82	2592		150R	12
POLE	340531.73	1174552.18	1A	1086		75	75	75	2819		286R	-2
POLE	340535.27	1174543.58	1A	1100		89	89	89	3522		684R	-9
POLE	340532.31	1174538.76	1A	1101		90	90	90	3943		408R	-20
TREE	340529.41	1174531.87	1A	1103		92	92	92	4538		148R	-36

OC5218

AIRPORT ELEVATION 1011

8R C 963/993 340530.127N 1174722.589W 2731134

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FLOODLIGHT POLE	340523.51	1174637.29	1A	1029		66	36	18	-3842		455R	29
OL ON WINDSOCK ON HANGAR	340523.27	1174640.86	1A	1028		65	35	17	-3543		497R	31
OL LIGHTED WINDSOCK	340525.52	1174649.05	1A	1016		53	23	5	-2842		308R	24
TREE	340524.54	1174652.56	1A	1018		55	25	7	-2553		423R	28
TREE	340524.96	1174658.31	1A	1026		63	33	15	-2068		408R	40
POLE	340525.84	1174706.37	1A	1008		45	15	-3	-1386		357R	29
TREE	340526.09	1174707.71	1A	1016		53	23	5	-1272		338R	38
POLE	340526.63	1174722.47	1A	988		25	-5	-23	-30		353R	25
GROUND	340525.34	1174727.33	1A	1016		53	23	5	372		505R	48
ANTENNA ON BUILDING	340527.00	1174727.93	1A	982		19	-11	-29	431		341R	12
OL ON LOCALIZER	340530.40	1174728.50	1A	973		10	-20	-38	498		0R	1
TREE	340526.22	1174729.17	1A	1005		42	12	-6	530		425R	32
TREE	340532.75	1174732.50	1A	1005		42	12	-6	847		219L	23
TREE	340526.54	1174733.17	1A	1009		46	16	-2	868		411R	26
TREE	340531.32	1174733.18	1A	997		34	4	-14	896		71L	14
TREE	340533.83	1174735.02	1A	1010		47	17	-1	1064		315L	22
TREE	340531.75	1174736.49	1A	1006		43	13	-5	1176		99L	14
TREE	340525.08	1174737.41	1A	1021		58	28	10	1216		579R	28
TREE	340528.27	1174740.02	1A	1002		39	9	-9	1454		269R	2
VENT ON BUILDING	340536.64	1174754.69	1A	1048		85	55	37	2732		507L	11
VENT ON BUILDING	340536.80	1174758.64	1A	1089		126	96	78	3065		505L	42
OL POLE	340540.29	1174803.08	1A	1230		267	237	219	3457		836L	171
BUILDING	340536.18	1174804.08	1A	1092		129	99	81	3519		417L	31

OC5218

AIRPORT ELEVATION 1011

26L PIR 1008/ 340527.457N 1174625.147W 0931206 1002/1002 340527.837N 1174633.318W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
POLE	340526.63	1174722.47	1A	988		-20	-14	-23	-4809	-4121	353L	25
TREE	340526.09	1174707.71	1A	1016		8	14	5	-3567	-2878	338L	38
POLE	340525.84	1174706.37	1A	1008		0	6	-3	-3453	-2764	357L	29
TREE	340524.96	1174658.31	1A	1026		18	24	15	-2771	-2082	408L	40
TREE	340524.54	1174652.56	1A	1018		10	16	7	-2286	-1597	423L	28
OL LIGHTED WINDSOCK	340525.52	1174649.05	1A	1016		8	14	5	-1997	-1308	308L	24
OL ON WINDSOCK ON HANGAR	340523.27	1174640.86	1A	1028		20	26	17	-1295	-607	497L	31
FLOODLIGHT POLE	340523.51	1174637.29	1A	1029		21	27	18	-997	-309	455L	29
ROAD (N)	340527.20	1174621.04	1A	1021		13	19	10	346	1035	6L	10
ROAD (N)	340530.05	1174618.70	1A	1026		18	24	15	527	1215	292R	11
POLE	340532.06	1174614.12	1A	1049		41	47	38	900	1588	516R	27
POLE	340521.43	1174612.04	1A	1051		43	49	40	1134	1823	546L	24
FLOODLIGHT POLE	340528.03	1174609.24	1A	1062		54	60	51	1333	2021	133R	31
POLE	340524.69	1174608.73	1A	1059		51	57	48	1394	2082	203L	27
LIGHT POLE	340531.45	1174606.82	1A	1067		59	65	56	1516	2205	489R	33
POLE	340529.28	1174605.46	1A	1067		59	65	56	1643	2331	276R	30
TREE	340519.89	1174604.84	1A	1062		54	60	51	1748	2437	668L	23
LIGHT POLE	340529.13	1174602.27	1A	1085		77	83	74	1912	2600	276R	43
LIGHT POLE	340532.85	1174559.54	1A	1092		84	90	81	2120	2808	665R	46
FLOODLIGHT POLE	340526.44	1174557.97	1A	1083		75	81	72	2288	2976	25R	33
LIGHT POLE	340530.51	1174554.97	1A	1093		85	91	82	2517	3205	450R	39
POLE	340531.73	1174552.18	1A	1086		78	84	75	2744	3433	586R	27
TREE	340516.67	1174546.21	1A	1078		70	76	67	3330	4019	905L	7
POLE	340535.27	1174543.58	1A	1100		92	98	89	3447	4135	984R	27
POLE	340532.31	1174538.76	1A	1101		93	99	90	3868	4556	708R	20
TREE	340529.41	1174531.87	1A	1103		95	101	92	4463	5151	447R	10

OC5218

AIRPORT ELEVATION 1011

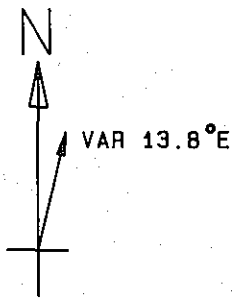
ARP 340529.948N 1174651.154W

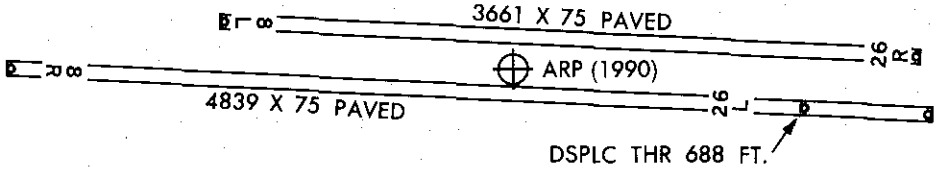
OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
ANTENNA ON OL CONTROL TR	340535.29	1174652.57	1A	1064		53	333 44	553
OL ON ANEMOMETER	340534.16	1174644.66	1A	1022		11	38 16	693
ROD ON OL RTR TOWER	340535.57	1174640.82	1A	1043		32	43 0	1038
OL ON GLIDE SLOPE	340533.89	1174636.72	1A	1033		22	58 2	1278
OL LIGHT TOWER	340539.53	1174701.34	1A	1067		56	304 42	1293
POLE	340522.40	1174705.94	1A	1109		98	224 40	1459
ROD ON OL AIRPORT BEACON	340520.29	1174707.35	1B	1161		150	220 34	1676
HANGAR	340535.84	1174711.93	1A	994		-17	275 2	1846
OL LIGHT TOWER	340538.60	1174711.83	1A	1059		48	282 55	1947
POLE	340521.06	1174625.55	1A	1043		32	98 50	2333
GROUND	340502.07	1174659.88	1B	1242		231	180 48	2912
GROUND	340523.02	1174726.22	1A	1046		35	242 50	3031
POLE	340535.50	1174615.09	1A	1069		58	65 43	3085
LIGHT POLE	340513.48	1174620.08	1A	1092		81	108 42	3099
POLE	340519.76	1174613.19	1A	1052		41	94 4	3355
LIGHT POLE	340517.98	1174612.86	1A	1066		55	96 47	3441
BUSH	340500.75	1174714.50	1B	1287		276	199 50	3545
GROUND	340546.17	1174731.81	1B	1140		129	281 49	3792
LIGHT POLE	340535.16	1174604.06	1A	1094		83	68 37	3996
TREE	340544.14	1174738.40	1A	1104		93	276 3	4225
TREE	340551.21	1174737.14	1B	1304		293	285 16	4425
POLE	340505.53	1174735.83	1B	1208		197	222 54	4496
POLE	340445.75	1174631.73	1B	1233		222	146 7	4757
VORTAC	340442.14	1174710.23	1B	1289		278	184 34	5093
OL POLE	340441.30	1174711.65	1B	1289		278	185 32	5211
POLE	340550.44	1174748.32	1B	1252		241	279 31	5235
TREE	340445.40	1174615.59	1B	1167		156	132 36	5406
TREE	340450.80	1174737.97	1B	1203		192	211 4	5583
TREE	340514.89	1174545.36	1A	1087		76	91 35	5740
GROUND	340438.46	1174740.25	1B	1224		213	204 38	6644
GROUND	340432.90	1174733.04	1B	1178		167	197 38	6758
OL ON BUILDING	340643.63	1174651.19	1B	1203		192	346 11	7448
POST	340427.95	1174755.30	1B	1261		250	206 56	8270

AIRPORT ELEVATION 1011

ARP 340529.948N 1174651.154W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
OL ON TANK	340652.11	1174642.60	1B	1168		157	351 9	8337
LIGHT ON OL TANK	340653.47	1174647.79	1B	1167		156	348 7	8448
FLOODLIGHT POLE	340639.08	1174547.16	1B	1201		190	23 48	8820
TREE	340630.11	1174529.31	1B	1202		191	34 44	9185
TRANSMISSION POLE	340653.30	1174605.89	1B	1164		153	10 30	9246
POLE	340702.18	1174632.43	1B	1164		153	355 47	9456
GROUND	340419.63	1174811.25	1B	1236		225	209 40	9794
SIGN	340638.93	1174526.01	1B	1198		187	31 57	9995
TREE	340642.09	1174529.52	1B	1206		195	29 28	10015
SIGN	340709.05	1174659.23	1B	1188		177	342 19	10041
TRANSMISSION POLE	340704.67	1174602.35	1B	1197		186	9 24	10417
TREE	340502.66	1174850.74	1B	1195		184	240 52	10430
TREE	340449.72	1174849.00	1B	1202		191	233 54	10714
TREE	340627.85	1174502.81	1B	1230		219	43 28	10830
TREE	340638.10	1174511.75	1B	1245		234	36 42	10832
SIGN	340622.86	1174452.53	1B	1212		201	48 0	11320
TRANSMISSION POLE	340715.69	1174602.56	2C	1233		222	7 7	11444
GROUND	340446.48	1174858.28	1B	1180		169	233 52	11560
POLE	340628.42	1174451.10	1B	1217		206	45 51	11699
OL ANTENNA	340418.44	1174843.11	1B	1325		314	218 42	11871
TREE	340637.30	1174452.56	2C	1261		250	41 52	12076
TREE	340625.46	1174443.59	2C	1236		225	48 35	12107
ANTENNA OL RADIO TOWER	340418.07	1174846.39	2A	1352		341	219 21	12114
CHIMNEY ON BUILDING	340454.68	1174909.26	2C	1202		191	239 9	12151
BUILDING	340447.94	1174911.36	2C	1201		190	236 24	12534
TREE	340723.10	1174507.92	2C	1518		507	23 23	14359
BUSH	340737.31	1174534.91	2C	1483		472	12 40	14382
BUSH	340729.88	1174518.18	2C	1551		540	19 1	14426
TREE	340705.23	1174441.08	2C	1345		334	34 50	14575
BUSH	340718.28	1174452.61	2C	1452		441	28 30	14808





RUNWAY	TOUCHDOWN ZONE ELEVATION
8L	1005
26R	1011
8R	993
26L	1002

BRACKETT FIELD

LA VERNE, CALIFORNIA

(NOT TO SCALE)