

# OBSTRUCTION DATA SHEET

**ODS 790  
IMPERIAL COUNTY AIRPORT  
IMPERIAL, CALIFORNIA**

**DIGITIZED FROM**

**OC 790  
SURVEYED NOVEMBER 1990  
7TH EDITION**



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## ATTENTION

See SPECIAL NOTICES in "Dates of Latest Editions, Airport Obstruction Charts - Obstruction Data Sheets," for possible corrections. National Oceanic and Atmospheric Administration (NOAA) publications are available through NOAA Distribution Branch (N/CG33), National Ocean Service, Riverdale, MD 20737. Telephone: 301-436-6990

## 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:

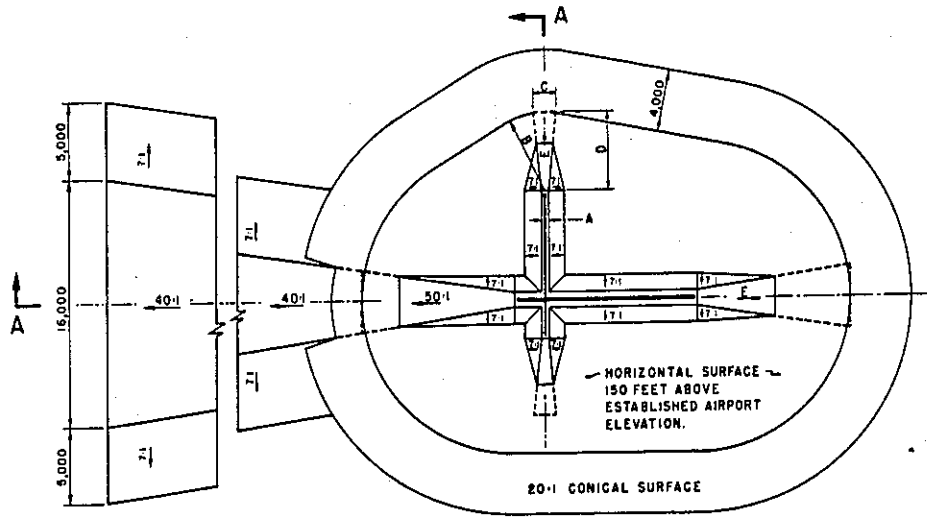
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the 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):

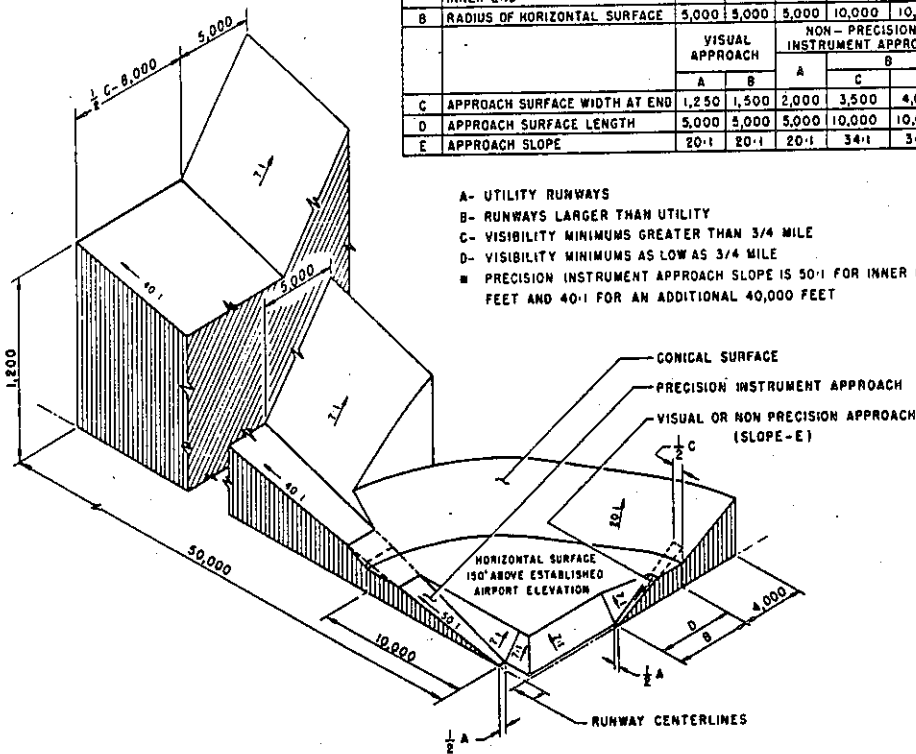
A(V) ..... Utility runway - visual approach only  
 A(NP) ..... Utility runway - nonprecision instrument approach  
 B(V) ..... Nonutility runway - visual approach only  
 C ..... Nonutility runway - nonprecision instrument approach with  
           visibility minimums greater than 3/4 mile  
 D ..... 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	D	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	1,250	1,500	2,000	3,500	4,000	16,000
E	APPROACH SLOPE	5,000	5,000	5,000	10,000	10,000	a
		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
- E- 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

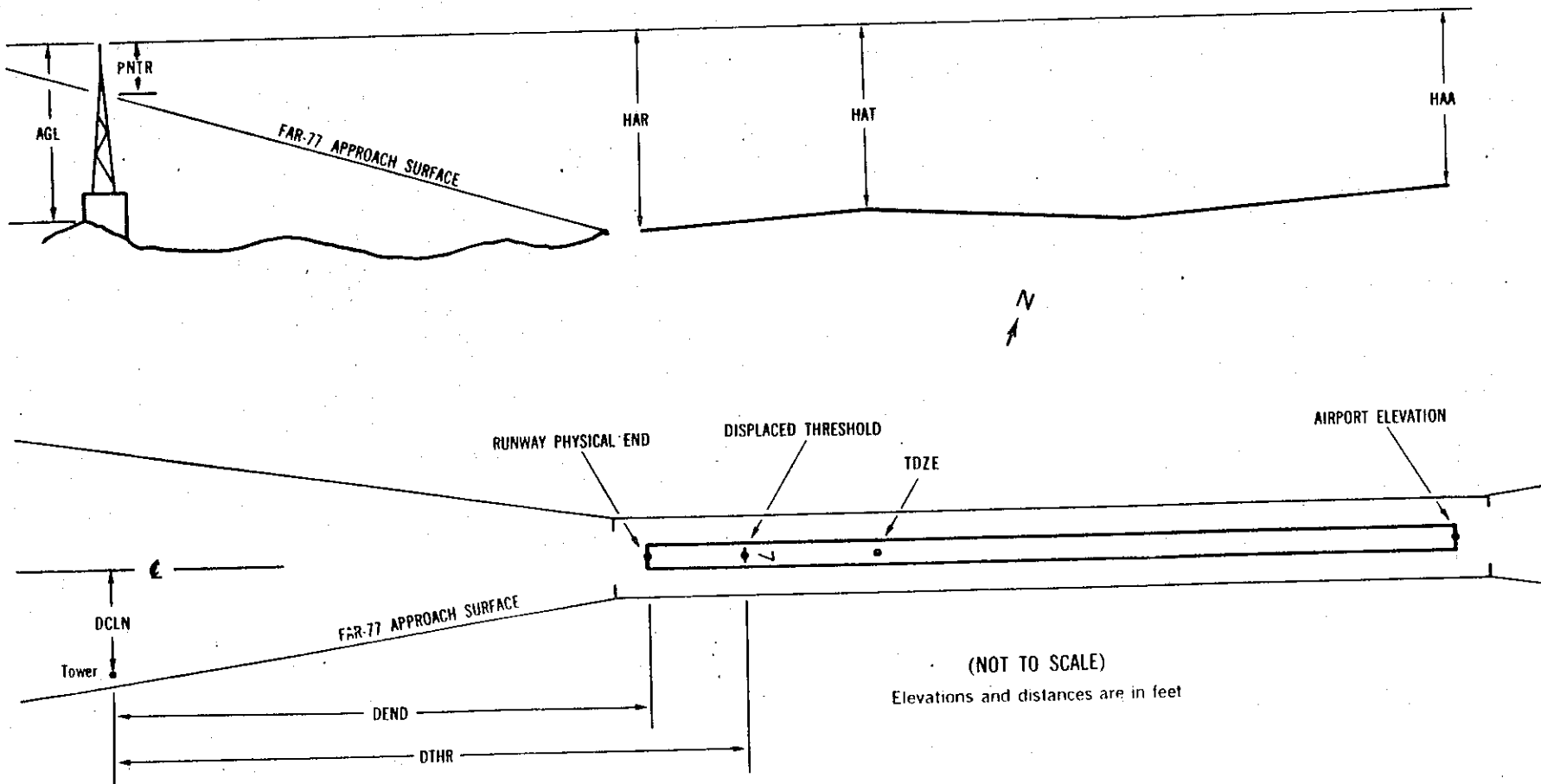
# ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X <sup>1</sup>	X <sup>2</sup>	XXXX/XXXX <sup>3</sup>	XXXXXX.XXX <sup>4</sup>	XXXXXX.XXX <sup>4</sup>	XXXXXX <sup>5</sup>	XXXX/XXXX <sup>6</sup>	XXXXXX.XXX <sup>7</sup>	XXXXXX.XXX <sup>7</sup>				
OBJECT	LAT	LONG	A <sup>8</sup>	ELEV <sup>9</sup>	AGL <sup>10</sup>	HAR <sup>11</sup>	HAT <sup>11</sup>	HAA <sup>11</sup>	DEND <sup>12</sup>	DTHR <sup>12</sup>	DCLN <sup>12</sup>	PNTR <sup>13</sup>
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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## EXPLANATION OF FOOTNOTES

- <sup>1</sup> 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.
- <sup>2</sup> For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed.)
- <sup>3</sup> Reference runway approach physical end elevation/touchdown zone elevation
- <sup>4</sup> Latitude and longitude of reference runway approach physical end
- <sup>5</sup> Reference runway geodetic azimuth reckoned clockwise from south
- <sup>6</sup> Reference runway displaced threshold elevation/touchdown zone elevation
- <sup>7</sup> Latitude and longitude of reference runway displaced threshold
- <sup>8</sup> Accuracy Code:
- |  | Horizontal | Vertical |
|--|------------|----------|
|  | 1 = 20     | A = 2    |
|  | 2 = 40     | B = 5    |
|  |            | C = 20   |
- <sup>9</sup> 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.
- <sup>10</sup> 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  $\pm 10$  feet.
- <sup>11</sup> HAA - Height above airport  
 HAR - Height above reference runway approach physical end  
 HAT - Height above reference runway touchdown zone elevation
- <sup>12</sup> 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.
- <sup>13</sup> PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

OC0790

AIRPORT ELEVATION -56

8 A(V) -57/-57 324955.365N 1153521.446W 2695743

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WINDSOCK	324956.30	1153512.74	1A	-51		6	6	5	-743		94L	6
OL ON POLE	324955.21	1153539.16	1A	2		59	59	58	1512		14R	-7

26 A(V) -57/-57 324955.391N 1153428.711W 0895812

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WINDSOCK	324956.30	1153512.74	1A	-51		6	6	5	-3757		94R	6
POLE	324958.10	1153410.13	1A	-25		32	32	31	1586		273R	-37
LIGHT STANDARD	324955.51	1153406.48	1A	-28		29	29	28	1897		11R	-56

14 C -58/-57 325032.827N 1153442.453W 3324121

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WINDSOCK	324951.34	1153418.51	1A	-51		7	6	5	-4663		109R	5
OL WINDSOCK	325003.23	1153427.55	1A	-35		23	22	21	-3241		242R	22
ROAD (N)	325025.91	1153440.96	1A	-44		14	13	12	-680		207R	14
WINDSOCK	325028.77	1153438.75	1A	-52		6	5	4	-509		92L	6
ROAD (N)	325033.45	1153445.95	1A	-44		14	13	12	193		236R	14
FENCE	325033.63	1153445.58	1A	-53		5	4	3	195		200R	5
OL ON FENCE	325037.25	1153443.26	1A	-49		9	8	7	429		144L	2
POLE	325041.87	1153445.63	1A	-36		22	21	20	936		179L	1
LIGHT STANDARD	325042.91	1153443.84	1A	-29		29	28	27	960		362L	7
POLE	325047.36	1153451.41	1A	-22		36	35	34	1655		5R	-7
TREE	325048.71	1153449.91	1A	-20		38	37	36	1718		171L	-7
TREE	325048.39	1153452.92	1A	-16		42	41	40	1807		72R	-5

OC0790

AIRPORT ELEVATION -56

32 C -56/-56 324946.196N 1153413.935W 1524137

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE	325033.63	1153445.58	1A	-53		3	3	3	-5499		200L	5
ROAD (N)	325033.45	1153445.95	1A	-44		12	12	12	-5497		236L	14
WINDSOCK	325028.77	1153438.75	1A	-52		4	4	4	-4795		92R	6
ROAD (N)	325025.91	1153440.96	1A	-44		12	12	12	-4624		207L	14
OL WINDSOCK	325003.23	1153427.55	1A	-35		21	21	21	-2063		242L	22
WINDSOCK	324951.34	1153418.51	1A	-51		5	5	5	-641		109L	5
FENCE	324944.42	1153409.20	1A	-51		5	5	5	345		277R	1
ROAD (N)	324943.74	1153408.59	1A	-41		15	15	15	430		291R	8
LGT STD & TRAFFIC SIGNAL	324932.34	1153409.20	1A	-21		35	35	35	1430		283L	-1
POLE	324931.60	1153410.21	1A	-19		37	37	37	1456		394L	1
SIGN	324931.13	1153404.26	1A	-11		45	45	45	1732		35R	-1

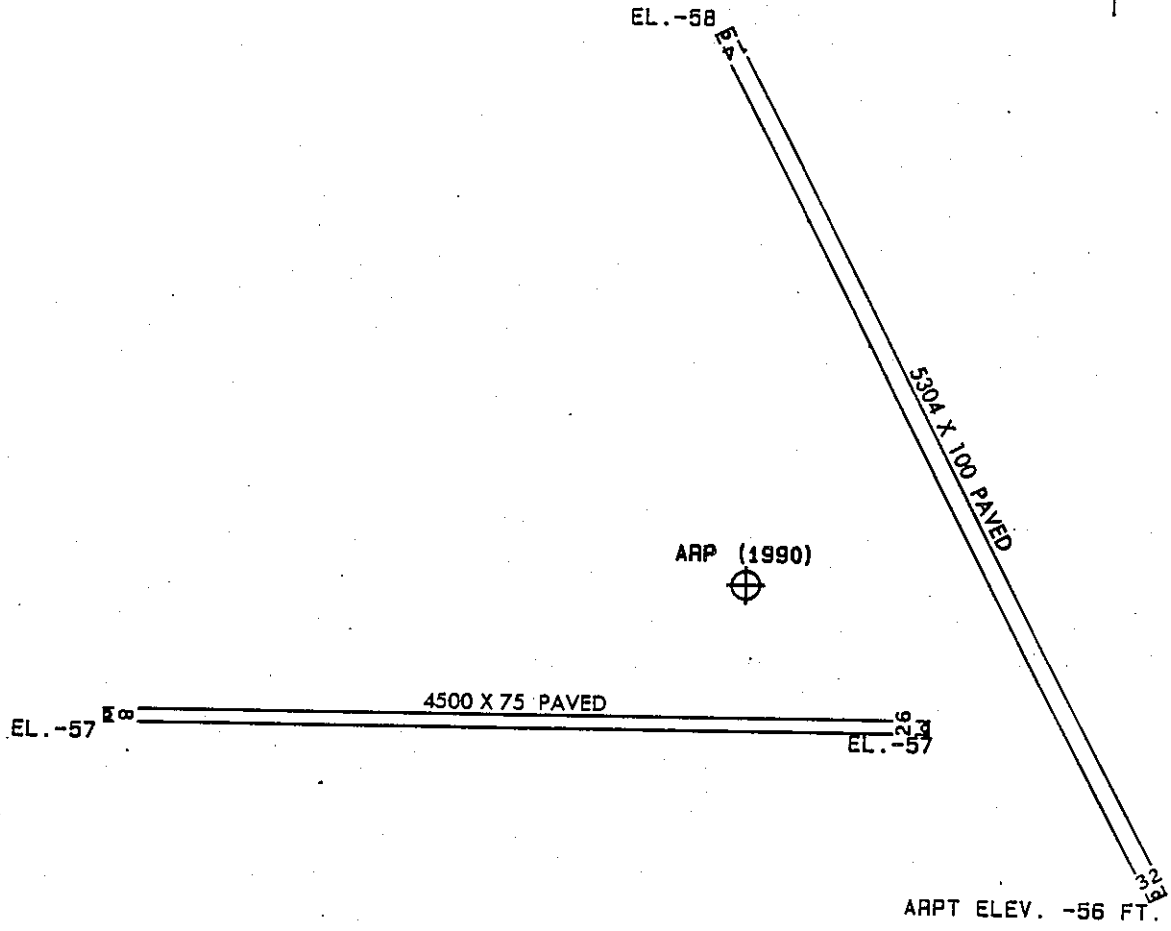
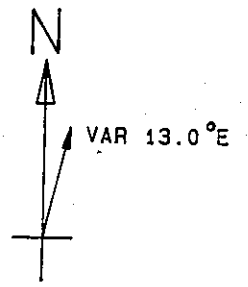


0C0790

AIRPORT ELEVATION -56

ARP 325003.025N 1153440.531W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
LIGHT STANDARD	324957.96	1153440.21	1A	-30		26	163 59	513
ANTENNA ON BUILDING	325009.68	1153436.86	1A	15		71	12 1	742
ANTENNA ON OL BUILDING	325008.30	1153434.19	1A	13		69	32 26	759
OL ANEMOMETER ON TOWER	325004.10	1153430.12	1A	-37		19	70 0	895
LIGHT STANDARD	324952.62	1153440.23	1A	-31		25	165 35	1052
TREE	325022.71	1153440.41	1A	-5		51	347 18	1989
ANTENNA ON BUILDING	325010.42	1153418.45	1A	-5		51	55 21	2027
ANTENNA ON BUILDING	325002.36	1153416.61	1A	-12		44	78 53	2043
OL ON AIRPORT BEACON	325007.43	1153416.27	1A	-4		52	64 51	2118
POLE	325024.77	1153431.23	1A	-30		26	6 52	2337
POLE	324951.27	1153508.16	1A	-22		34	230 15	2640
POLE	325029.21	1153432.90	1A	-27		29	0 49	2726
FLOODLIGHT ON POLE	324959.22	1153405.46	1A	-2		54	84 20	3017
LIGHT STANDARD	325036.61	1153440.00	1A	-30		26	347 46	3394
TANK	325037.33	1153441.29	1A	-45		11	345 56	3468
POLE	325036.93	1153449.85	1A	-30		26	333 57	3517
TREE	325037.87	1153440.42	1A	-24		32	347 10	3522
OL TANK	325042.68	1153440.89	1A	53		109	346 34	4008
OL ON POLE	324959.91	1153539.16	1A	2		58	253 24	5012
OL ON POLE	324950.47	1153539.14	1A	3		59	242 46	5160
ROD ON OL TOWER	325055.04	1153351.89	1B	84		140	25 17	6698
ROD OL RADIO TOWER	325142.94	1153342.00	1A	136	203	192	13 19	11265
ANTENNA ON OL TOWER	324756.96	1153438.95	2A	175	216	231	166 23	12741
ROD OL RADIO TOWER	324824.96	1153218.78	2A	204	257	260	116 19	15639
ANTENNA ON OL MICROWAVE T	324738.97	1153312.23	2C	167		223	139 37	16394



TOUCHDOWN ZONE RUNWAY ELEVATION	
8	-57
26	-57
14	-57
32	-56

IMPERIAL COUNTY AIRPORT  
 IMPERIAL, CALIFORNIA  
 (NOT TO SCALE)