OBSTRUCTION DATA SHEET

ODS 6394
MARATHON AIRPORT
MARATHON, FLORIDA

DIGITIZED FROM

OC 6394
SURVEYED FEBRUARY 1989
1ST EDITION

PREPARED AND DISTRIBUTED BY
THE NATIONAL OCEAN SERVICE
U.S. DEPARTMENT OF COMMERCE
FOR THE FEDERAL AVIATION ADMINISTRATION

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).

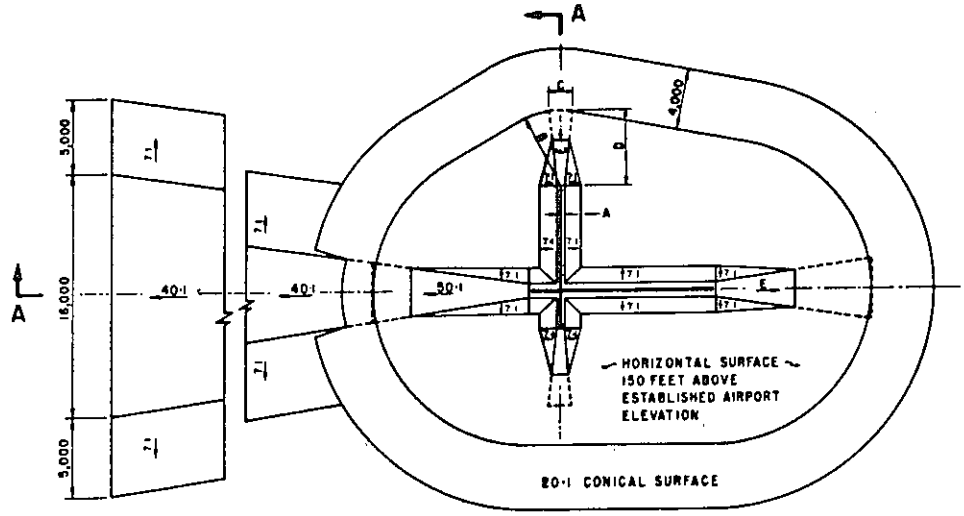
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

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)

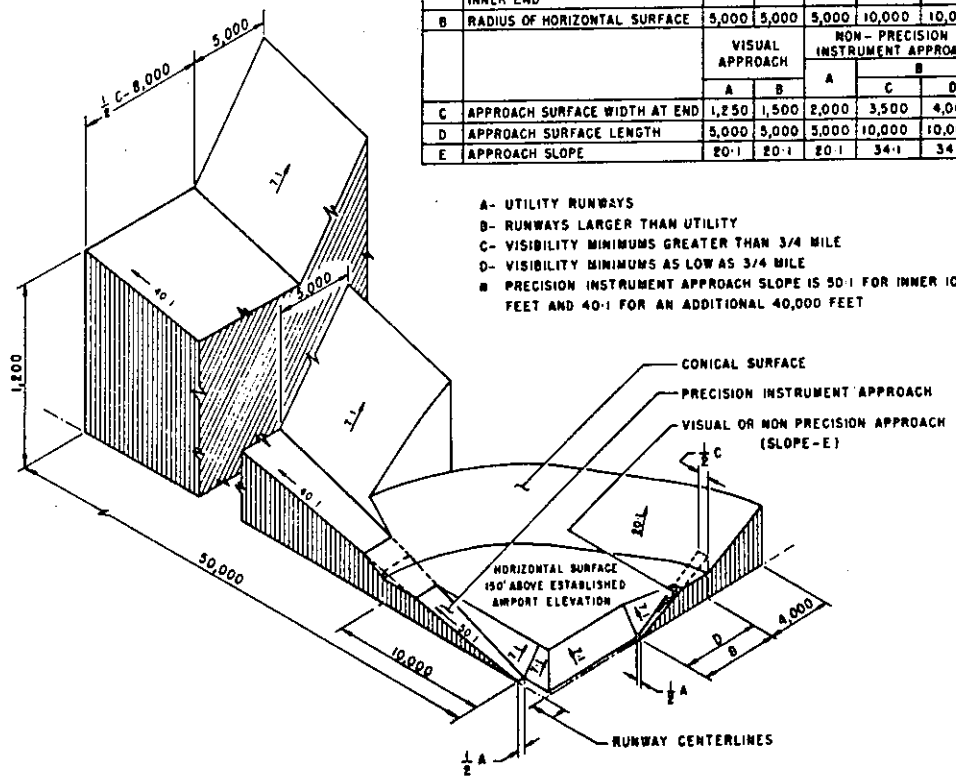
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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	*
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

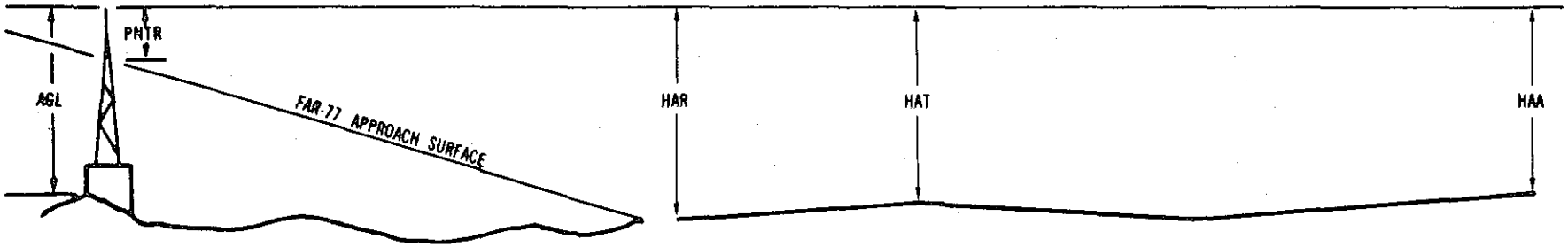
ANNOTATION OF ODS DATA FORMAT

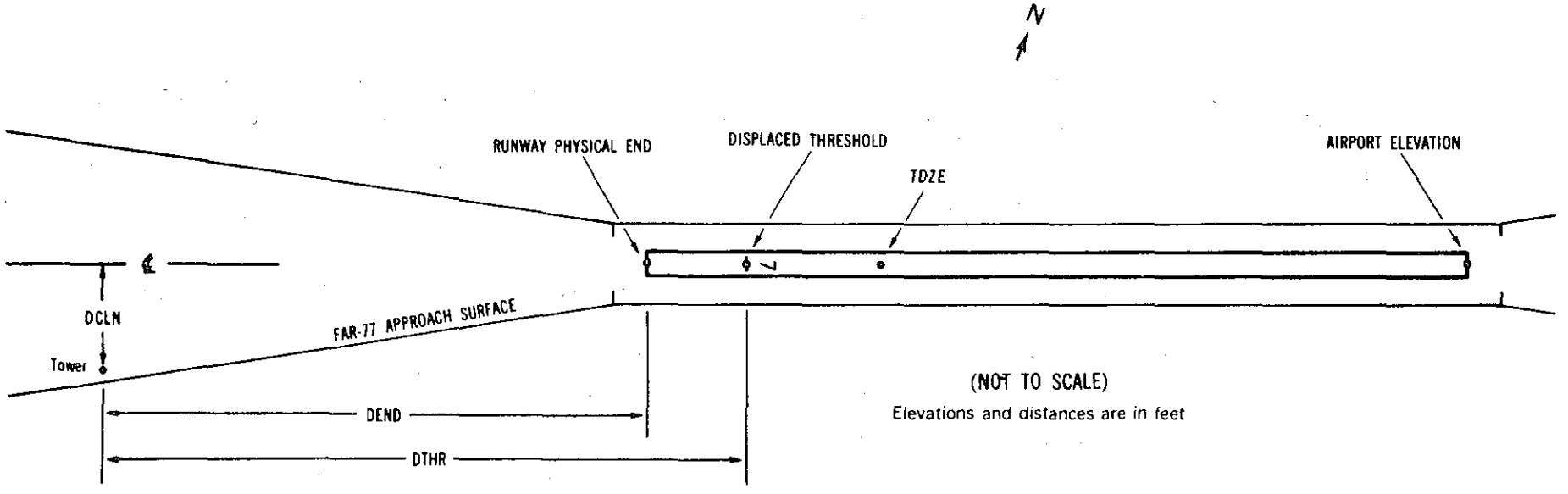
OC XXXX

AIRPORT ELEVATION XXXX

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]
XXXXXXXXXXX			XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXX			XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

****





(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).

OC6394

AIRPORT ELEVATION 7

7 PIR 6/6 244323.068N 0810330.731W 2471657

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	244340.01	0810237.60	1A	16		10	10	9	-5179		314R	9
ANEMOMETER ON BUILDING	244337.86	0810239.43	1A	43		37	37	36	-4940		449R	36
TREE	244345.77	0810243.73	1A	53		47	47	46	-4883		440L	46
TREE	244343.77	0810245.09	1A	43		37	37	36	-4689		303L	36
OL CONTROL BOX AT PAPI	244339.29	0810244.92	1A	12		6	6	5	-4529		121R	5
FLOODLIGHT	244333.14	0810250.16	1A	43		37	37	36	-3844		507R	36
TREE	244340.20	0810254.02	1A	36		30	30	29	-3790		288L	29
OL WINDSOCK	244333.97	0810254.24	1A	27		21	21	20	-3529		284R	20
TREE	244335.74	0810305.24	1A	28		22	22	21	-2662		272L	21
POLE	244337.15	0810307.25	1A	43		37	37	36	-2546		475L	36
ANTENNA ON POLE	244327.41	0810307.29	1A	55		49	49	48	-2163		431R	49
TREE	244333.04	0810311.67	1A	33		27	27	26	-2010		250L	27
TREE	244331.14	0810316.42	1A	35		29	29	28	-1532		242L	29
TREE	244325.65	0810314.18	1A	25		19	19	18	-1508		349R	19
TREE	244328.87	0810322.45	1A	36		30	30	29	-931		245L	30
TREE	244322.04	0810321.07	1A	30		24	24	23	-781		440R	24
OL CONTROL BOX AT PAPI	244326.23	0810326.55	1A	11		5	5	4	-479		145L	5
TREE	244324.75	0810332.88	1A	37		31	31	30	117		234L	31
TREE	244318.60	0810331.25	1A	30		24	24	23	219		398R	24
TREE	244318.83	0810332.96	1A	34		28	28	27	355		315R	25
POLE	244324.78	0810339.71	1A	44		38	38	37	697		479L	28
TREE	244322.56	0810339.69	1A	34		28	28	27	782		272L	16
TREE	244320.51	0810344.45	1A	40		34	34	33	1266		250L	13
POLE	244322.51	0810345.83	1A	40		34	34	33	1306		486L	12
TRANSMISSION POLE	244310.93	0810343.28	1A	67		61	61	60	1541		684R	34
POLE	244320.28	0810347.82	1A	35		29	29	28	1562		349L	2
ANTENNA	244317.70	0810348.81	1A	56		50	50	49	1747		144L	19
TREE	244316.77	0810348.55	1A	47		41	41	40	1761		48L	10
TREE	244312.68	0810351.01	1A	56		50	50	49	2129		245R	11
TREE	244318.61	0810354.32	1A	57		51	51	50	2180		425L	11
ROD ON OL ANTENNA	244313.97	0810354.17	1A	65		59	59	58	2349		13R	16
TREE	244309.69	0810354.79	1A	73		67	67	66	2568		389R	20
ANTENNA	244305.07	0810357.14	1A	82		76	76	75	2948		736R	21

AIRPORT ELEVATION 7

7 PIR 6/6 244323.068N 0810330.731W 2471657

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TRANSMISSION POLE	244301.46	0810413.78	1A	98		92	92	91	4504		479R	6
ROD ON OL ANTENNA	244302.38	0810418.54	1A	145		139	139	138	4873		224R	46
ROD ON OL RADIO MAST	244239.32	0810545.32	1A	254	238	248	248	247	13153		722L	-26

OC6394

AIRPORT ELEVATION 7

25 PIR 7/7 244342.227N 0810240.626W 0671718

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	244318.60	0810331.25	1A	30		23	23	23	-5227		398L	24
TREE	244324.75	0810332.88	1A	37		30	30	30	-5126		234R	31
OL CONTROL BOX AT PAPI	244326.23	0810326.55	1A	11		4	4	4	-4529		145R	5
TREE	244322.04	0810321.07	1A	30		23	23	23	-4227		440L	24
TREE	244328.87	0810322.45	1A	36		29	29	29	-4078		245R	30
TREE	244325.65	0810314.18	1A	25		18	18	18	-3500		349L	19
TREE	244331.14	0810316.42	1A	35		28	28	28	-3476		242R	29
TREE	244333.04	0810311.67	1A	33		26	26	26	-2999		250R	27
ANTENNA ON POLE	244327.41	0810307.29	1A	55		48	48	48	-2845		431L	49
POLE	244337.15	0810307.25	1A	43		36	36	36	-2463		475R	36
TREE	244335.74	0810305.24	1A	28		21	21	21	-2346		272R	21
OL WINDSOCK	244333.97	0810254.24	1A	27		20	20	20	-1480		284L	20
TREE	244340.20	0810254.02	1A	36		29	29	29	-1218		288R	29
FLOODLIGHT	244333.14	0810250.16	1A	43		36	36	36	-1165		507L	36
OL CONTROL BOX AT PAPI	244339.29	0810244.92	1A	12		5	5	5	-480		121L	5
TREE	244343.77	0810245.09	1A	43		36	36	36	-319		303R	36
TREE	244345.77	0810243.73	1A	53		46	46	46	-126		440R	46
ANEMOMETER ON BUILDING	244337.86	0810239.43	1A	43		36	36	36	-69		449L	36
BUSH	244340.01	0810237.60	1A	16		9	9	9	171		314L	9
TREE	244345.72	0810239.32	1A	35		28	28	28	247		279R	27
TREE	244338.79	0810235.02	1A	17		10	10	10	343		520L	7
TREE	244349.08	0810237.88	1A	59		52	52	52	501		540R	46
TREE	244347.13	0810236.24	1A	35		28	28	28	564		300R	21
POLE	244339.73	0810230.88	1A	46		39	39	39	731		580L	28
TREE	244342.61	0810230.78	1A	27		20	20	20	853		315L	7
POLE	244349.96	0810233.81	1A	46		39	39	39	881		477R	25
CONCRETE POLE	244352.53	0810228.93	1A	58		51	51	51	1396		543R	27
ROD ON OL APT BEACON	244341.72	0810223.82	1A	62		55	55	55	1410		645L	31
TREE	244349.34	0810225.06	1A	68		61	61	61	1601		108R	33
ANTENNA ON POLE	244353.82	0810226.36	1A	66		59	59	59	1665		572R	30
ANTENNA ON POLE	244353.05	0810223.01	1A	93		86	86	86	1920		381R	52
TREE	244346.83	0810219.01	1A	61		54	54	54	2018		341L	18
TREE	244345.93	0810217.16	1A	72		65	65	65	2140		490L	26

AIRPORT ELEVATION 7

25 PIR 7/7 244342.227N 0810240.626W 0671718

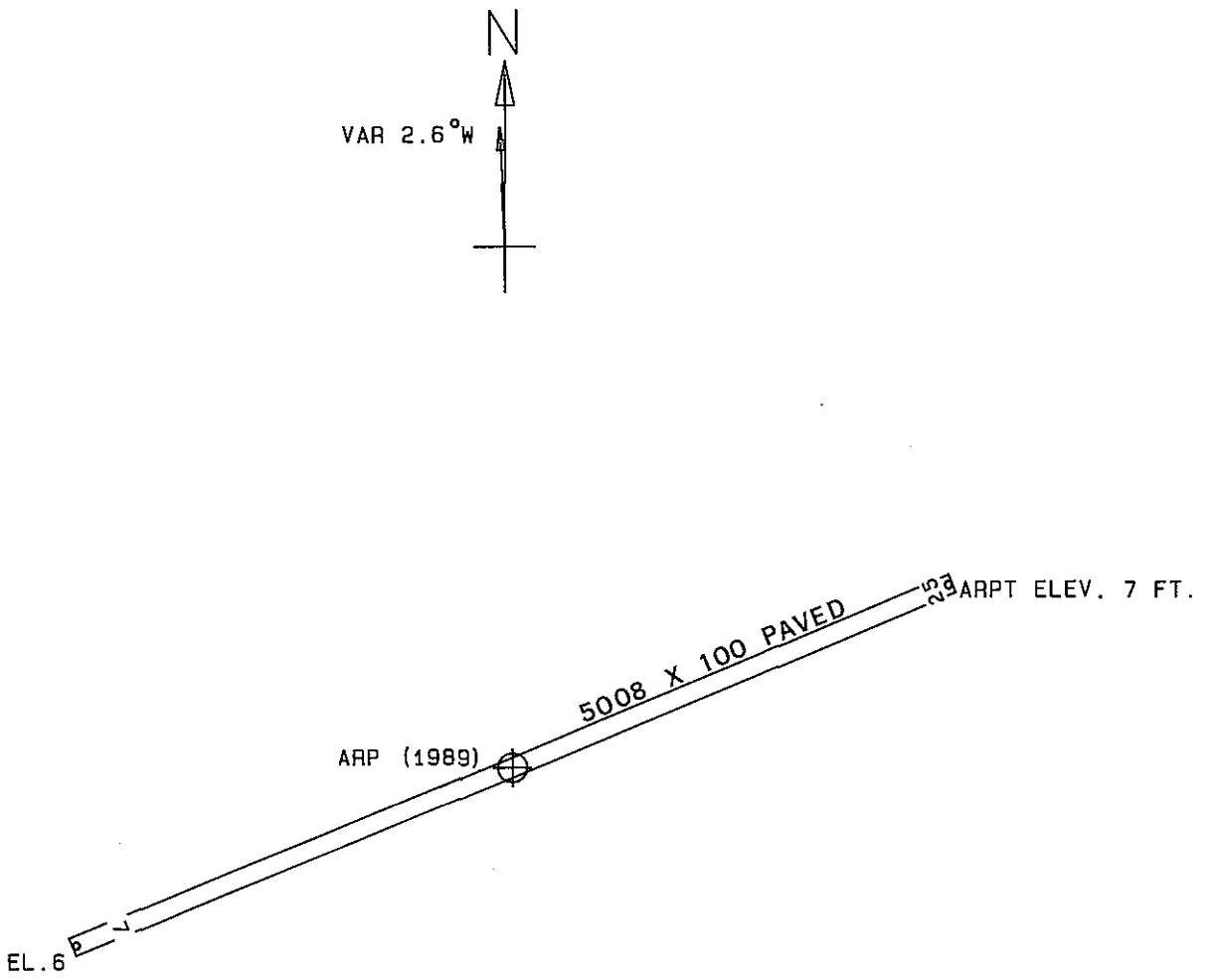
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	244350.03	0810215.96	1A	58		51	51	51	2402		152L	7
TREE	244357.22	0810218.62	1A	54		47	47	47	2456		612R	2
TREE	244347.25	0810211.84	1A	81		74	74	74	2645		557L	25
TREE	244355.03	0810207.17	1A	67		60	60	60	3344		1R	-3

OC6394

AIRPORT ELEVATION 7

ARP 244332.648N 0810305.679W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	244335.98	0810312.19	1A	37		30	301 54	688
TREE	244324.55	0810302.97	1A	75		68	165 34	855
ANTENNA	244340.36	0810301.77	1A	58		51	27 26	858
POLE	244330.48	0810256.47	1A	40		33	107 2	877
TREE	244333.75	0810319.55	1A	62		55	277 34	1284
TRANSMISSION POLE	244330.76	0810251.31	1A	67		60	100 48	1339
TREE	244328.29	0810251.25	1A	72		65	110 54	1402
TREE	244335.48	0810321.96	1A	69		62	283 22	1528
CUPOLA ON HOUSE	244343.83	0810252.74	1A	30		23	49 10	1642
TREE	244319.98	0810318.56	1A	74		67	225 29	1746
TREE	244317.49	0810320.07	1A	69		62	223 32	2025
TREE	244329.85	0810328.10	1A	57		50	264 49	2087
TREE	244347.06	0810249.36	1A	52		45	48 34	2093
POLE	244319.79	0810324.43	1A	45		38	235 43	2162
POLE	244335.95	0810242.16	1A	45		38	83 51	2194
ANTENNA	244346.72	0810244.92	1A	47		40	56 2	2383
TREE	244329.23	0810331.44	1A	55		48	264 20	2400
FLOODLIGHT	244337.19	0810239.09	1A	46		39	82 0	2494
TREE	244331.78	0810334.48	1A	89		82	270 43	2657
TREE	244326.65	0810340.47	1A	65		58	261 55	3264
TREE	244309.13	0810330.65	1A	80		73	226 44	3308
TRANSMISSION POLE	244338.77	0810227.83	1A	89		82	82 34	3544
TREE	244337.50	0810226.40	1A	74		67	84 54	3654
TREE	244325.39	0810349.31	1A	72		65	262 17	4089
TRANSMISSION POLE	244341.96	0810212.69	1A	96		89	81 43	4976
TREE	244359.79	0810220.37	1A	82		75	59 20	4996
ANTENNA	244404.34	0810221.30	1A	89		82	54 35	5194
ANTENNA	244343.39	0810202.65	1A	128		121	82 1	5912
ROD ON OL ANTENNA	244345.98	0810202.70	1A	143		136	79 33	5961
ANTENNA	244256.61	0810405.23	1A	86		79	239 5	6587
OL MICROWAVE	244220.05	0810437.46	1B	147		140	231 43	11195
OL ANTENNA	244159.83	0810519.26	2A	255	251	248	235 21	15476
OL ANTENNA	244152.29	0810519.98	2A	255	252	248	233 19	16000



TOUCHDOWN ZONE RUNWAY ELEVATION	
7	6
25	7

MARATHON AIRPORT

MARATHON, FLORIDA

(NOT TO SCALE)