

OBSTRUCTION DATA SHEET

ODS 256
OPA LOCKA AIRPORT
MIAMI, FLORIDA

DIGITIZED FROM

OC 256
SURVEYED MARCH 1993
7TH EDITION

HORIZONTAL DATUM NAD 83
VERTICAL DATUM NGVD 29



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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 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.

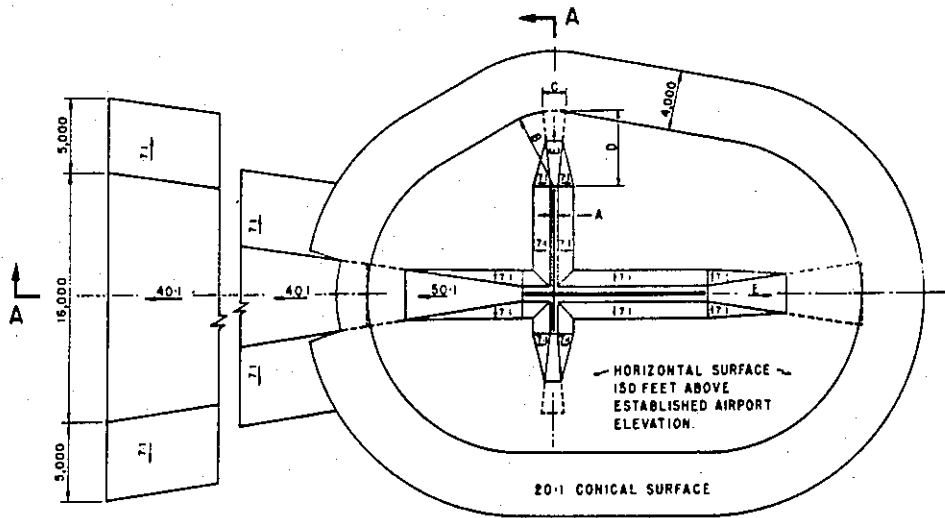
ODS information is arranged as follows:

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:

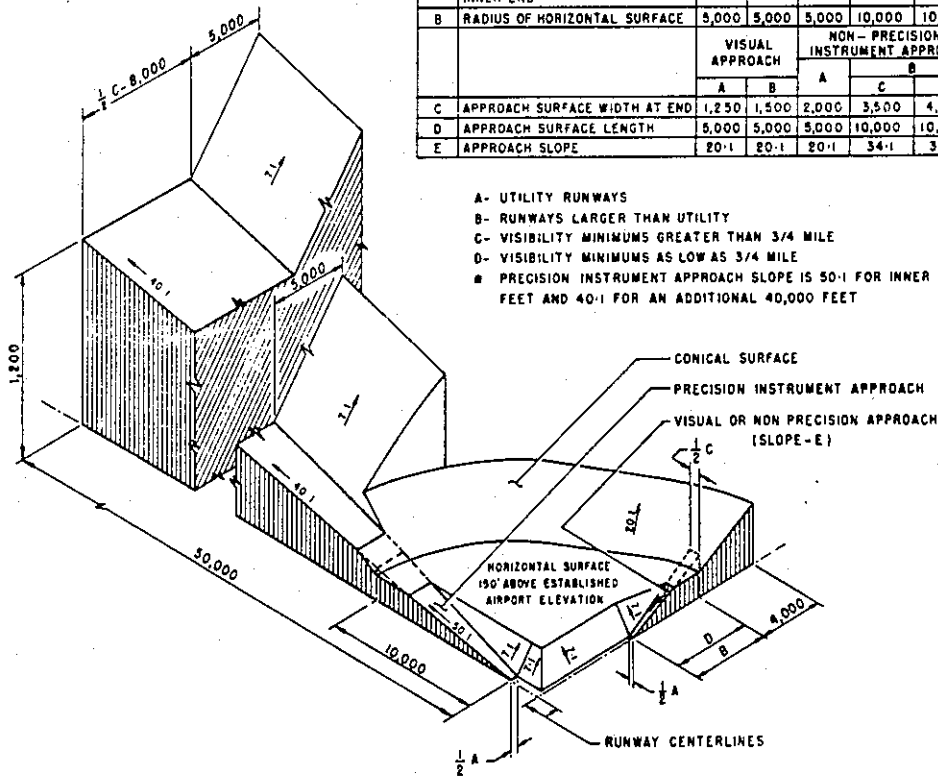
- A(V) Utility runway - visual approach only
- A(NP) ... Utility runway - nonprecision instrument approach
- B(V) Nonutility runway - visual approach only
- C Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
- D Nonutility runway - nonprecision instrument 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		
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

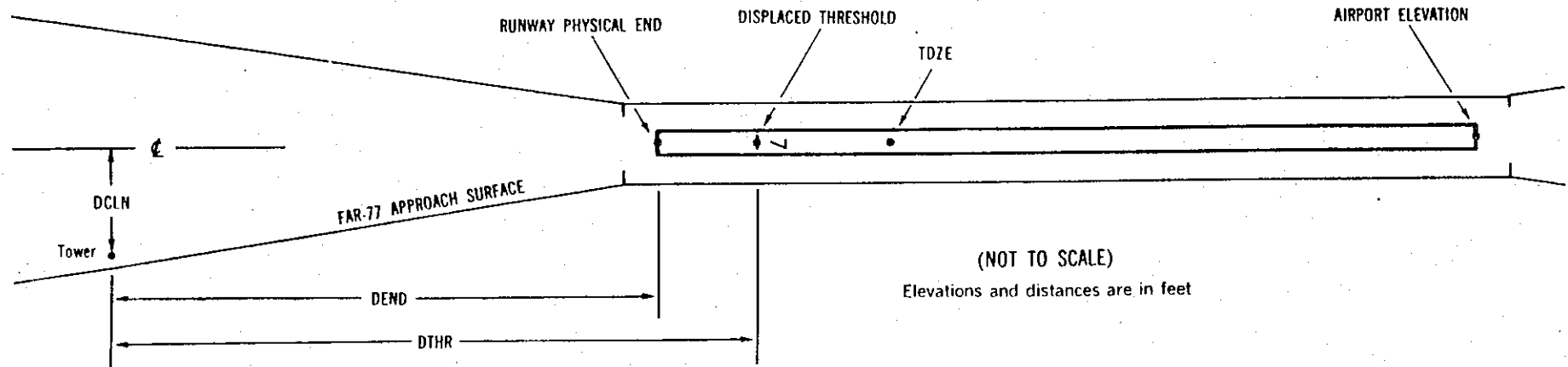
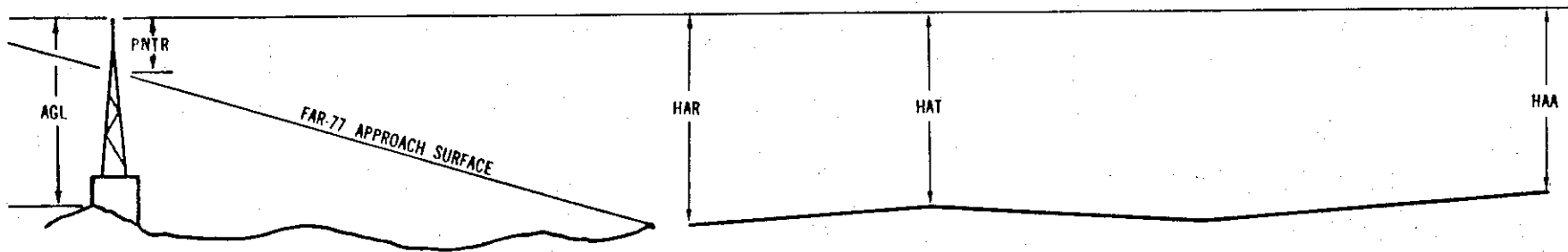
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

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	
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX	
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.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 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 displaced threshold
- 8 Accuracy codes:
- | | Horizontal (Ft.) | Vertical (Ft.) |
|---|------------------|----------------|
| 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 displaced 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 PNTR - Penetration of indicated FAR-77 approach or primary surface (See footnote 2).

OC0256

AIRPORT ELEVATION 9

36L AV 8/ 8 255356.752 -801652.374 1916.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	255342.08	-801655.20	1A	69		61	61	60	1482		249L	-3
TREE	255330.78	-801653.23	1A	82		74	74	73	2622		63L	-47

18R AV 8/ 8 255429.429 -801652.172 1801916.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	255454.79	-801653.41	1A	90		82	82	81	2559		128R	-36
TREE	255454.78	-801649.02	1A	55		47	47	46	2561		273L	-71

36R AV 8/ 8 255357.160 -801644.708 1921.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	255345.43	-801646.22	1A	52		44	44	43	1185		132L	-5
TREE	255341.20	-801644.24	1A	54		46	46	45	1611		52R	-24
OL ON TANK	255339.12	-801645.77	1A	55		47	47	46	1822		87L	-34
TREE	255332.70	-801647.79	1A	78		70	70	69	2471		267L	-43

18L AV 7/ 7 255440.578 -801644.438 1801921.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
VENT ON BLDG	255456.52	-801641.87	1A	43		36	36	34	1611		225L	-35
VENT ON BLDG	255458.24	-801643.90	1A	43		36	36	34	1783		39L	-44

9C AV 9/ 9 255421.098 -801720.797 901726.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
LT POLE	255419.39	-801732.63	1A	38		29	29	29	1080		178R	-15
LT POLE	255422.84	-801732.87	1A	38		29	29	29	1104		170L	-16
TREE	255421.84	-801734.43	1A	38		29	29	29	1245		69L	-23

OC0256

AIRPORT ELEVATION 9

27C AV 7/ 9 255420.945 -801647.833 2701741.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
SIGN	255421.79	-801632.04	1A	34		27	25	25	1442		93R	-35
TREE	255423.83	-801624.88	1A	71		64	62	62	2094		302R	-31
OL ON APBN	255416.86	-801604.82	1A	67		60	58	58	3930		392L	-127

9L PIR 8/ 9 255445.527 -801719.223 865627.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE	255454.71	-801551.47	1A	17		9	8	8	-8050		499L	8
PIPE	255452.23	-801558.34	1A	14		6	5	5	-7411		282L	5
OL ON WSK	255446.89	-801559.82	1A	30		22	21	21	-7247		249R	21
PIPE	255451.98	-801605.29	1A	16		8	7	7	-6776		291L	7
ROD ON OL GS	255442.87	-801707.56	1A	48		40	39	39	-1050		325R	39
OL ON WSK	255448.48	-801711.16	1A	35		27	26	26	-751		258L	26
LT POLE	255447.86	-801733.18	1A	33		25	24	24	1260		303L	3
TREE	255441.68	-801734.89	1A	46		38	37	37	1450		312R	13
BLDG	255438.99	-801734.98	1A	38		30	29	29	1472		583R	4
LT POLE	255448.26	-801738.38	1A	42		34	33	33	1732		369L	3
TREE	255445.57	-801805.56	1A	114		106	105	105	4225		231L	25

27R SUPLC 9/ 9 255449.750 -801551.708 2665705.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON WSK	255448.48	-801711.16	1A	35		26	26	26	-7252		258R	26
ROD ON OL GS	255442.87	-801707.56	1A	48		39	39	39	-6953		325L	39
PIPE	255451.98	-801605.29	1A	16		7	7	7	-1226		291R	7
OL ON WSK	255446.89	-801559.82	1A	30		21	21	21	-755		249L	21
PIPE	255452.23	-801558.34	1A	14		5	5	5	-592		282R	5
FENCE	255454.71	-801551.47	1A	17		8	8	8	48		499R	8
PIPE	255452.72	-801549.49	1A	12		3	3	3	218		289R	3
ANT ON BLDG	255448.13	-801534.13	1A	23		14	14	14	1594		248L	-27
TREE	255456.03	-801532.29	1A	48		39	39	39	1804		539R	-8
TREE	255457.87	-801530.62	1A	52		43	43	43	1967		717R	-9
TREE	255451.74	-801518.51	1A	81		72	72	72	3038		39R	-11

OC0256

AIRPORT ELEVATION 9

9R AV 8/ 8 255356.528 -801706.599 865640.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
LT POLE	255354.70	-801723.95	1A	51		43	43	42	1592		100R	-26
ANT ON MCWV TWR	255350.96	-801756.10	1A	118		110	110	109	4544		320R	-107

27L AV 8/ 8 255358.376 -801628.293 2665657.

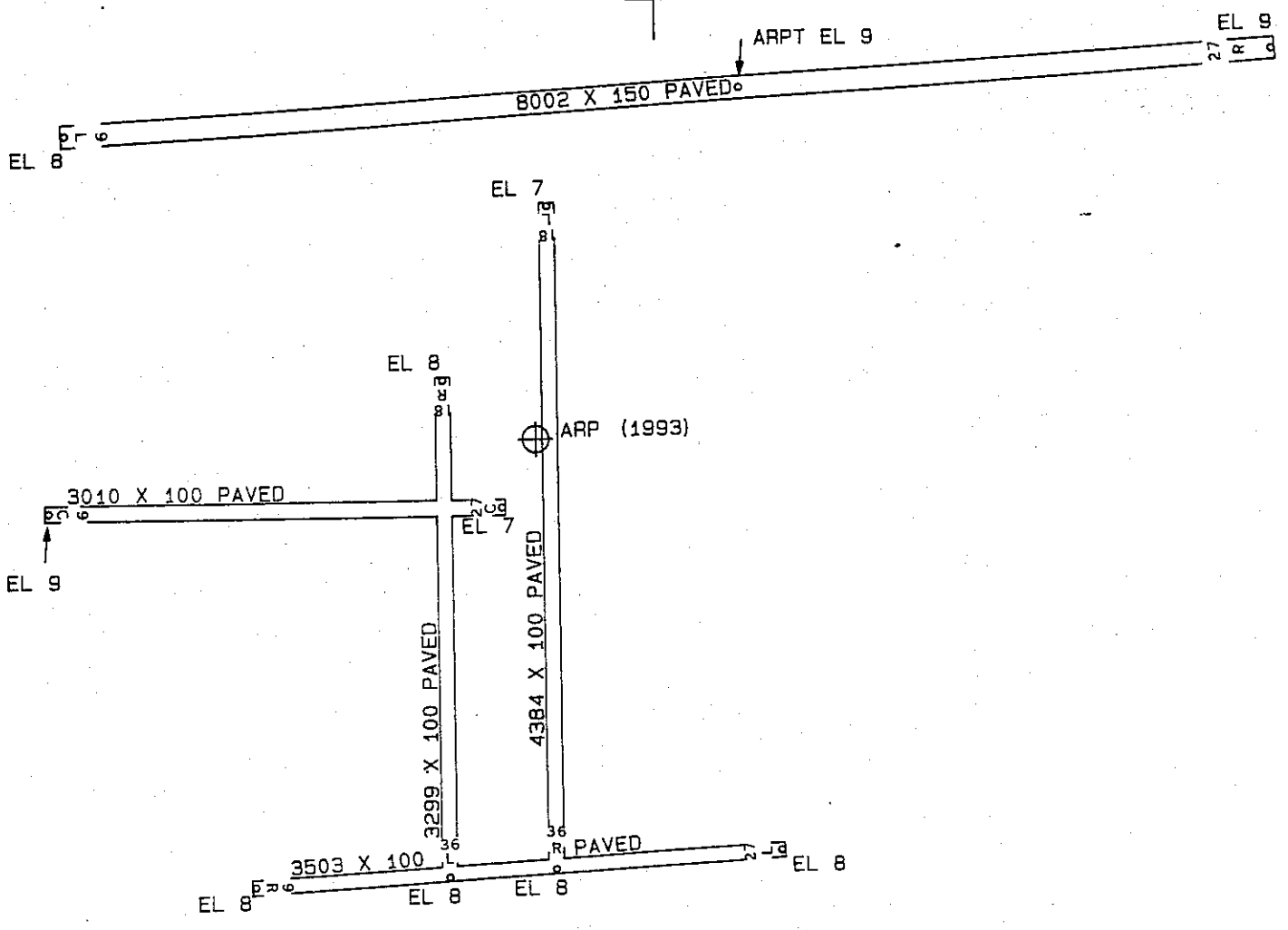
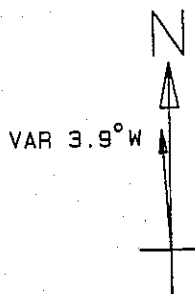
OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
LT POLE	255400.13	-801604.65	1A	33		25	25	24	2166		62R	-73
TREE	255403.43	-801558.41	1A	91		83	83	82	2752		364R	-44

000256

AIRPORT ELEVATION 9

ARP 255425.294 -801645.565

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
ANT ON OL HANGAR	255428.29	-801627.42	1A	94		85	8333	1685
ROD ON OL AMOM	255438.81	-801700.66	1A	31		22	31837	1939
OL ON WSK	255405.16	-801648.48	1A	37		28	19121	2050
ANT ON OL ATCT	255437.18	-801622.64	1A	141		132	6404	2413
TREE	255456.52	-801639.38	1A	140		131	1403	3203
TREE	255456.38	-801634.16	1A	110		101	2214	3307
TREE	255453.79	-801704.93	1A	84		75	33219	3377
TREE	255456.23	-801624.92	1A	118		109	3500	3649
TREE	255451.97	-801720.16	1A	74		65	31421	4151
TREE	255349.83	-801622.51	1A	108		99	15326	4154
LT POLE	255424.70	-801732.22	1A	38		29	27305	4260
LT POLE	255417.71	-801731.88	1A	38		29	26338	4298
TREE	255341.80	-801640.67	1A	52		43	17805	4414
LT POLE	255353.30	-801720.88	1A	47		38	22851	4564
TREE	255340.86	-801700.05	1A	84		75	20019	4678
TREE	255456.79	-801604.78	1A	132		123	5324	4897
TREE	255452.31	-801731.98	1A	86		77	30640	5040
TREE	255338.35	-801704.82	1A	105		96	20415	5056
ANT ON OL TWR	255515.43	-801711.69	1A	159		150	33839	5596
TREE	255457.30	-801555.39	1A	130		121	5842	5607
MCVW TWR	255456.24	-801740.00	1A	84		75	30603	5871
TREE	255501.13	-801552.98	1A	158		149	5653	6013
TREE	255458.13	-801547.72	1A	139		130	6146	6236
ANT	255437.15	-801526.66	1A	105		96	8427	7304
TREE	255442.72	-801515.69	1A	92		83	8147	8393
ANT ON OL TANK	255406.38	-801453.29	1A	180		171	10426	10429



TOUCHDOWN ZONE	RUNWAY ELEVATION
36L	8
18R	8
36R	8
18L	7
9C	9
27C	9
9L	9
27R	9
9R	8
27L	8

OPA LOCKA AIRPORT
 MIAMI, FLORIDA
 (NOT TO SCALE)

(ELEVATIONS AND DISTANCES IN FEET)