OBSTRUCTION DATA SHEET

ODS 640
SARASOTA - BRADENTON AIRPORT
SARASOTA, FLORIDA

DIGITIZED FROM

OC 640
SURVEYED JANUARY 1991
12TH EDITION

PREPARED AND DISTRIBUTED BY
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).

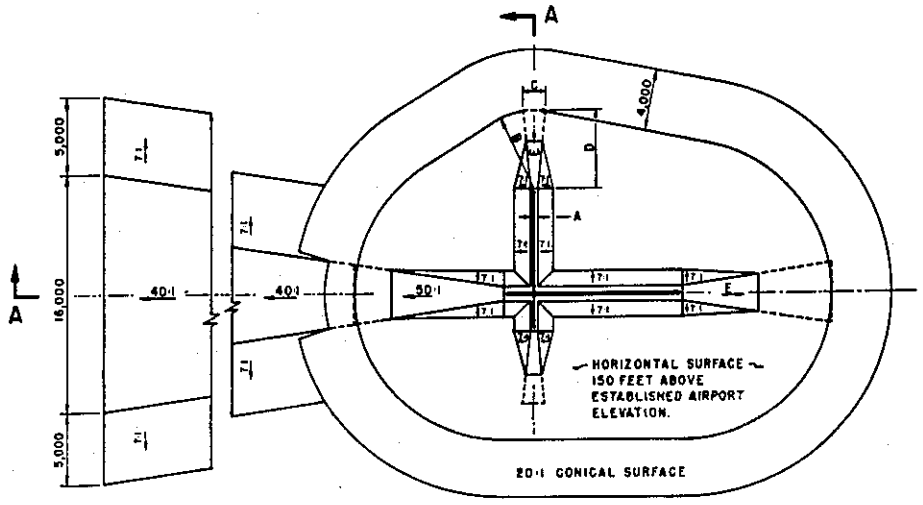
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

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)

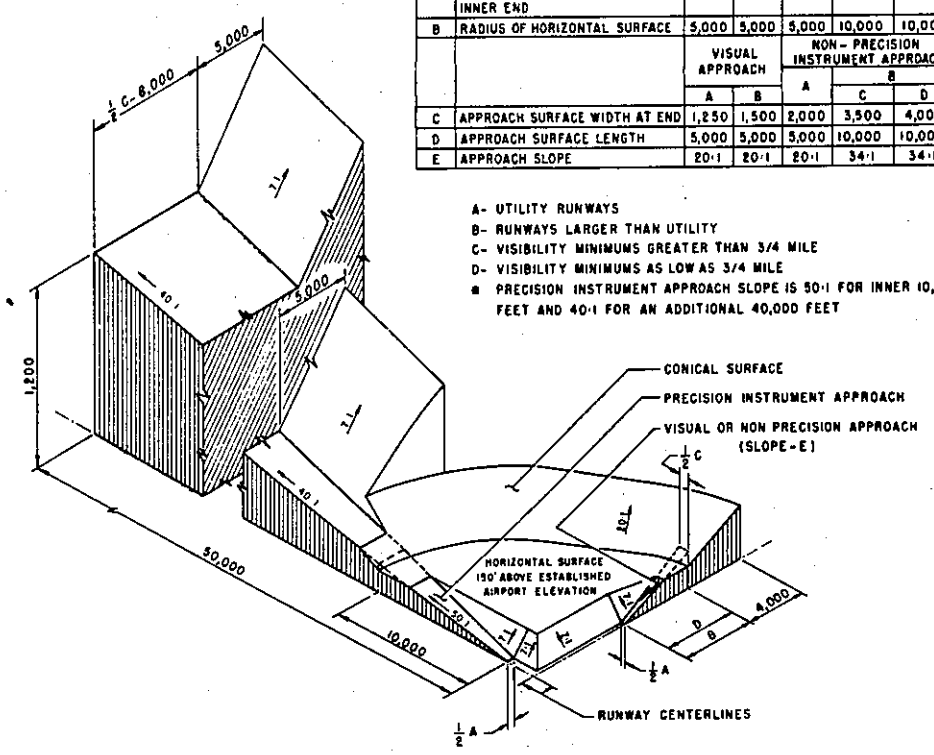
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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	*
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

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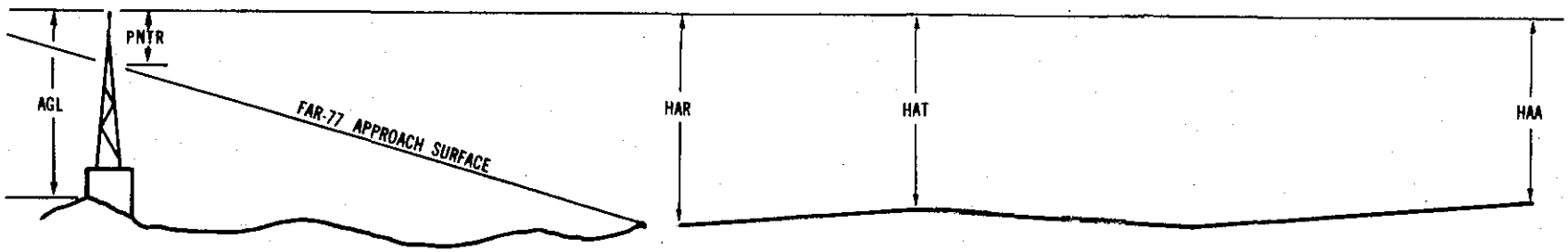
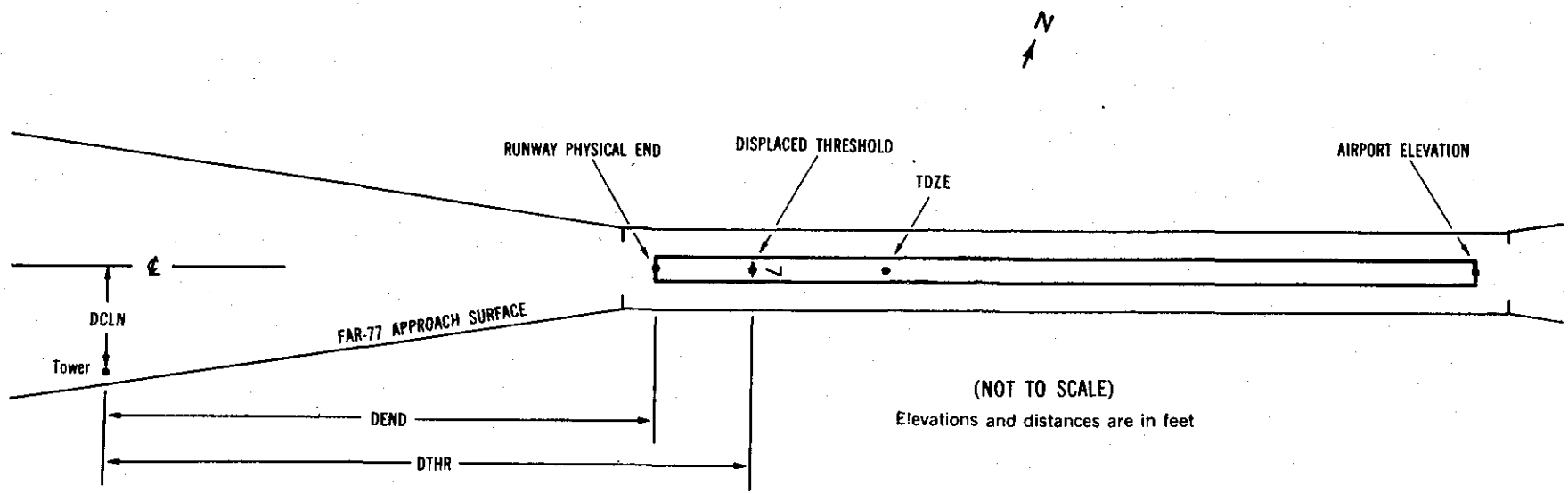




(NOT TO SCALE)

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).

OC0640

AIRPORT ELEVATION 28

4 SUPLC 23/24 272322.790N 0823328.196W 2180550

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON WINDSOCK	272352.27	0823259.04	1A	35		12	11	7	-3964		231R	11
OL ON WINDSOCK	272329.48	0823319.09	1A	32		9	8	4	-1038		229R	8
ROAD (N)	272320.69	0823334.32	1A	37		14	13	9	508		304L	5
FLOODLIGHT	272319.71	0823335.40	1A	48		25	24	20	645		319L	12
SIGN	272318.95	0823334.52	1A	44		21	20	16	656		210L	8
TREE	272318.04	0823335.61	1A	52		29	28	24	790		230L	12
LIGHT STANDARD	272315.67	0823333.90	1A	51		28	27	23	883		39R	8
TREE	272314.16	0823333.09	1A	51		28	27	23	958		190R	6
TREE	272312.09	0823333.14	1A	68		45	44	40	1125		316R	18
TREE	272310.49	0823334.01	1A	74		51	50	46	1301		354R	19
TREE	272313.98	0823339.76	1A	86		63	62	58	1343		271L	29
TREE	272308.92	0823335.36	1A	72		49	48	44	1501		356R	11
TREE	272308.29	0823337.51	1A	81		58	57	53	1671		242R	15
TREE	272308.66	0823339.72	1A	86		63	62	58	1763		63R	17
TREE	272305.98	0823336.96	1A	81		58	57	53	1824		426R	10
TREE	272257.63	0823344.96	1A	127		104	103	99	2932		378R	24
TREE	272255.51	0823344.63	1A	123		100	99	95	3082		534R	15

OC0640

AIRPORT ELEVATION 28

22 C 25/25 272401.782N 0823253.945W 0380606

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON WINDSOCK	272329.48	0823319.09	1A	32		7	7	4	-3965		229L	8
OL ON WINDSOCK	272352.27	0823259.04	1A	35		10	10	7	-1039		231L	11
FENCE	272402.12	0823250.36	1A	31		6	6	3	226		233L	5
FENCE	272402.61	0823249.63	1A	32		7	7	4	306		254L	4
ROAD (N)	272403.10	0823249.02	1A	42		17	17	14	378		267L	12
OL ON FENCE	272406.80	0823249.61	1A	34		9	9	6	640		5R	-4
VENT ON BUILDING	272410.34	0823246.28	1A	56		31	31	28	1106		11L	4
BUSH	272408.55	0823243.56	1A	52		27	27	24	1115		315L	1
POLE	272411.98	0823246.56	1A	60		35	35	32	1221		111R	5
POLE	272414.93	0823248.51	1A	59		34	34	31	1347		434R	1
TREE	272411.53	0823241.43	1A	77		52	52	49	1470		280L	15
TREE	272414.18	0823244.96	1A	80		55	55	52	1485		135R	17
TREE	272413.93	0823241.11	1A	79		54	54	51	1679		154L	10
TREE	272418.87	0823241.09	1A	91		66	66	63	2073		154R	11
ANTENNA	272422.42	0823243.19	1A	81		56	56	53	2238		523R	-4
TREE	272421.40	0823240.51	1A	92		67	67	64	2306		270R	5

OC0640

AIRPORT ELEVATION 28

14 PIR 23/24 272406.158N 0823346.301W 3142244

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON WINDSOCK	272322.93	0823300.30	1A	34		11	10	6	-6016		219R	9
ROD ON OL GLIDE SLOPE	272327.05	0823256.77	1A	60		37	36	32	-5953		300L	35
BUILDING	272353.57	0823324.23	1A	29		6	5	1	-2311		483L	7
OL ON WINDSOCK	272354.52	0823336.57	1A	30		7	6	2	-1449		227R	7
ROD ON OL GLIDE SLOPE	272401.80	0823334.96	1A	55		32	31	27	-1038		400L	32
GROUND	272405.40	0823350.26	1A	26		3	2	-2	202		304R	3
TREE	272405.03	0823353.66	1A	34		11	10	6	394		546R	7
ANTENNA ON BUILDING	272411.54	0823355.72	1A	42		19	18	14	987		205R	3
TREE	272414.85	0823401.93	1A	52		29	28	24	1621		358R	1
POLE	272418.16	0823403.16	1A	55		32	31	27	1934		197R	-3
TREE	272423.51	0823400.16	1A	60		37	36	32	2118		379L	-1
TREE	272415.60	0823409.30	1A	81		58	57	53	2148		768R	19
POLE	272425.80	0823400.33	1A	62		39	38	34	2291		533L	-3
TREE	272417.07	0823409.95	1A	83		60	59	55	2294		703R	18
TREE	272424.19	0823407.03	1A	72		49	48	44	2609		6R	1
TREE	272433.96	0823404.30	1A	82		59	58	54	3123		872L	1
TREE	272429.48	0823417.65	1A	105		82	81	77	3666		293R	13
ANTENNA	272456.20	0823432.71	1A	136		113	112	108	6524		687L	-13

OC0640

AIRPORT ELEVATION 28

32 PIR 28/28 272317.649N 0823250.774W 1342310

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	272405.40	0823350.26	1A	26		-2	-2	-2	-7205		304L	3
ROD ON OL GLIDE SLOPE	272401.80	0823334.96	1A	55		27	27	27	-5965		400R	32
OL ON WINDSOCK	272354.52	0823336.57	1A	30		2	2	2	-5554		227L	7
BUILDING	272353.57	0823324.23	1A	29		1	1	1	-4693		483R	7
ROD ON OL GLIDE SLOPE	272327.05	0823256.77	1A	60		32	32	32	-1050		300R	35
OL ON WINDSOCK	272322.93	0823300.30	1A	34		6	6	6	-987		219L	9
POST	272312.92	0823249.00	1A	32		4	4	4	448		230L	-1
ROAD (N)	272317.54	0823241.75	1A	35		7	7	7	589		562R	-1
ANTENNA ON BUILDING	272310.76	0823246.56	1A	42		14	14	14	758		232L	3
TREE	272315.00	0823239.74	1A	49		21	21	21	898		504R	7
TREE	272312.51	0823237.31	1A	48		20	20	20	1230		479R	-1
TREE	272300.94	0823242.36	1A	69		41	41	41	1722		676L	11
TREE	272301.61	0823240.75	1A	67		39	39	39	1779		525L	7
TREE	272304.13	0823237.80	1A	62		34	34	34	1791		157L	2
TREE	272300.99	0823236.08	1A	71		43	43	43	2124		276L	5
TREE	272252.19	0823229.19	1A	87		59	59	59	3189		476L	-1
ROD ON POLE	272253.70	0823227.09	1A	79		51	51	51	3217		235L	-9

OC0640

AIRPORT ELEVATION 28

ARP 272342.063N 0823315.425W

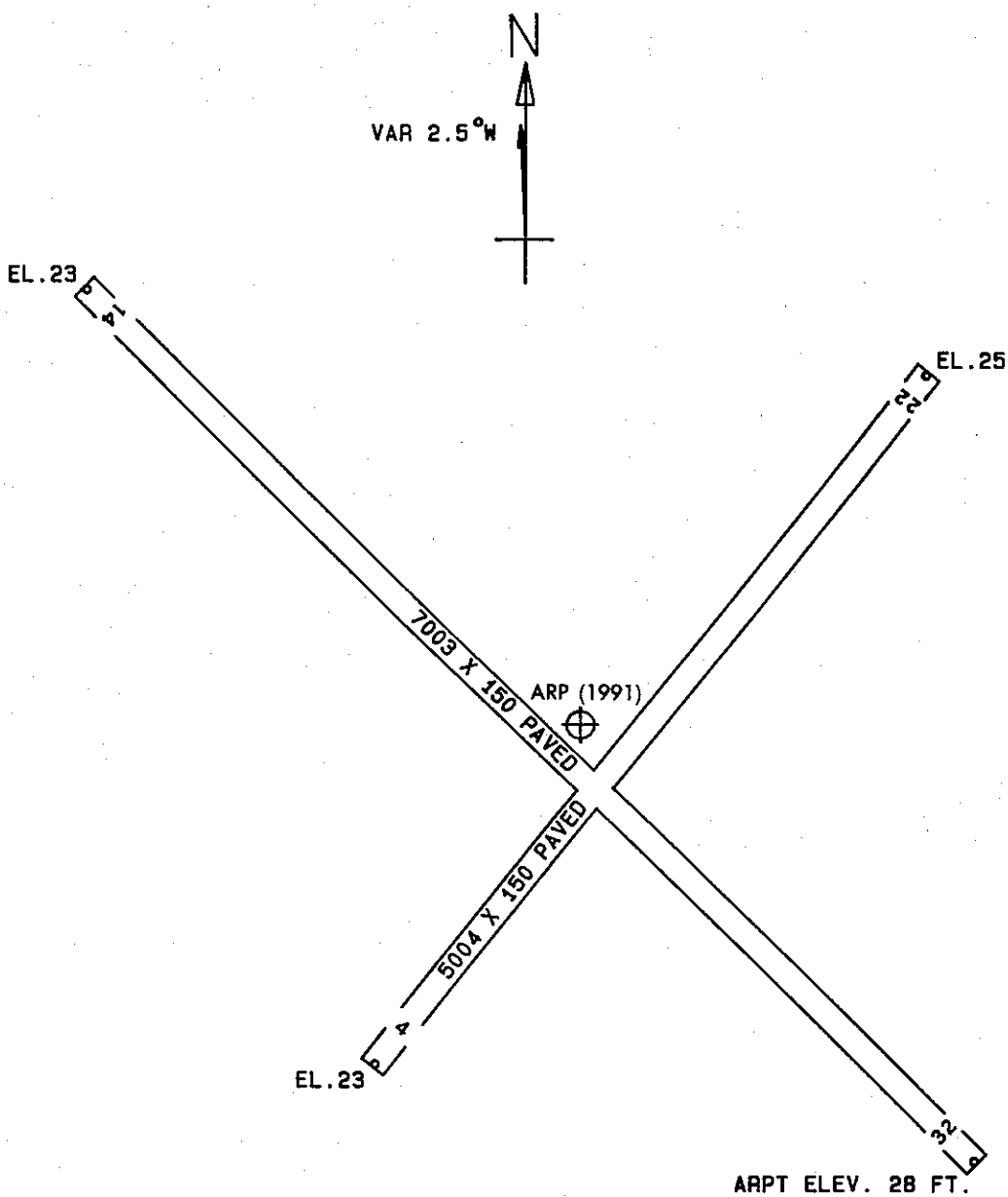
OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
ROD ON OL POLE	272350.40	0823316.46	1A	64		36	356 12	847
OL VORTAC	272350.78	0823316.02	1A	60		32	359 1	882
OL ON AIRPORT BEACON	272334.04	0823326.02	1A	74		46	232 12	1252
ROD ON ASR	272339.22	0823301.89	1A	86		58	105 43	1253
TREE	272328.68	0823314.33	1A	44		16	178 19	1355
ANEMOMETER	272353.93	0823323.73	1A	42		14	330 30	1413
WEATHER VANE ON OL BLDG	272329.58	0823330.60	1A	74		46	229 50	1860
FLOODLIGHT	272323.05	0823313.87	1A	91		63	178 19	1926
ROD ON OL RTR TOWER	272334.17	0823335.23	1A	77		49	248 26	1955
ROD ON OL RTR TOWER	272334.97	0823335.91	1A	77		49	251 17	1980
ROD ON OL RTR TOWER	272333.62	0823335.86	1A	77		49	247 41	2030
ROD ON OL RTR TOWER	272334.19	0823336.47	1A	77		49	249 46	2057
FLOODLIGHT	272350.26	0823254.07	1A	67		39	69 14	2096
BUILDING	272352.64	0823252.00	1A	53		25	65 40	2366
TREE	272353.68	0823342.05	1A	42		14	298 33	2672
ANTENNA ON ATCT	272409.71	0823310.97	1A	135		107	10 41	2820
SIGN	272320.49	0823335.59	1A	49		21	222 21	2837
POLE	272358.63	0823249.60	1A	55		27	56 48	2866
FLOODLIGHT	272312.86	0823304.39	1A	83		55	163 51	3113
TREE	272323.28	0823244.23	1A	72		44	126 30	3392
TREE	272359.14	0823350.26	1A	78		50	301 17	3583
FLOODLIGHT	272310.71	0823253.59	1A	60		32	150 38	3728
TREE	272359.87	0823352.08	1A	78		50	301 4	3762
FLOODLIGHT	272408.34	0823242.23	1A	56		28	50 56	4000
TREE	272317.25	0823239.39	1A	66		38	130 9	4103
TREE	272317.70	0823236.98	1A	77		49	127 52	4250
TREE	272315.79	0823238.45	1A	60		32	131 1	4259
TREE	272419.62	0823253.91	1A	124		96	29 35	4260
TREE	272404.72	0823355.49	1A	71		43	304 51	4275
TREE	272418.51	0823246.44	1A	82		54	37 52	4514
TREE	272411.15	0823236.85	1A	92		64	52 18	4552
TREE	272416.52	0823348.20	1A	48		20	322 10	4564
TREE	272418.55	0823347.38	1A	66		38	324 30	4677

OC0640 File Continued from Previous Page

AIRPORT ELEVATION 28

ARP 272342.063N 0823315.425W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	272303.39	0823246.26	1A	75		47	148 33	4708
ANTENNA ON RTR TOWER	272300.13	0823252.23	1A	96		68	156 13	4723
ANTENNA ON RTR TOWER	272300.01	0823251.31	1A	96		68	155 23	4771
ANTENNA ON RTR TOWER	272259.32	0823252.31	1A	96		68	156 44	4793
ANTENNA ON RTR TOWER	272259.22	0823251.44	1A	96		68	155 57	4837
TREE	272408.17	0823400.95	1A	75		47	305 14	4877
TREE	272421.59	0823351.24	1A	67		39	323 32	5133
TREE	272409.80	0823406.32	1A	107		79	303 54	5374
TREE	272424.35	0823354.00	1A	69		41	323 21	5506
TREE	272414.40	0823408.55	1A	82		54	306 48	5796
OL ON WATER TANK	272314.50	0823202.59	1B	148		120	115 28	7131
OL ON TANK	272226.12	0823258.41	1B	169		141	171 11	7820
ANTENNA	272202.24	0823228.74	1B	190		162	159 50	10924
ANTENNA	272204.34	0823221.96	1B	183		155	156 28	10982
ANTENNA	272512.71	0823427.18	1B	181		153	327 16	11208



TOUCHDOWN ZONE RUNWAY	ELEVATION
4	24
22	25
14	24
32	28

SARASOTA-BRADENTON AIRPORT

SARASOTA, FLORIDA

(NOT TO SCALE)