OBSTRUCTION DATA SHEET

ODS 637
GOODWIN FIELD
EL DORADO, ARKANSAS

DIGITIZED FROM

OC 637
SURVEYED NOVEMBER 1990
10TH EDITION

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

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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).

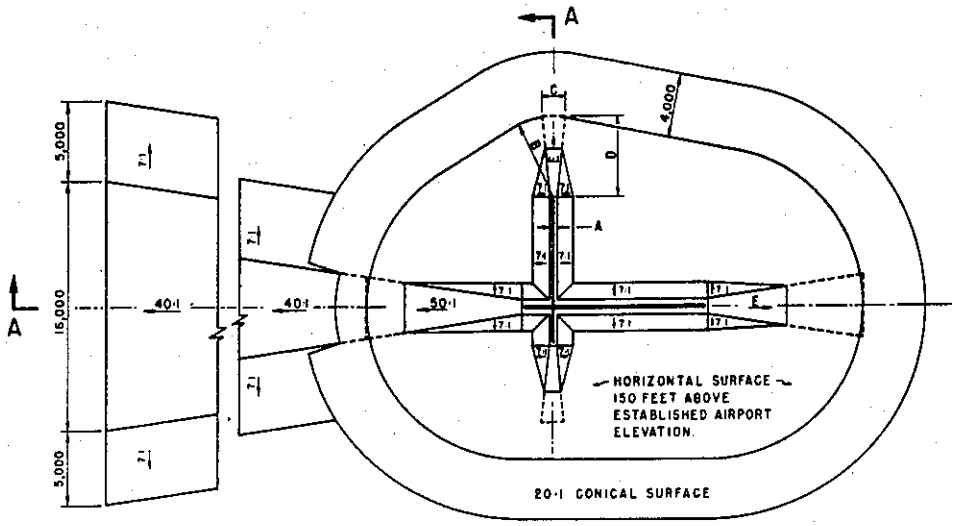
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

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)

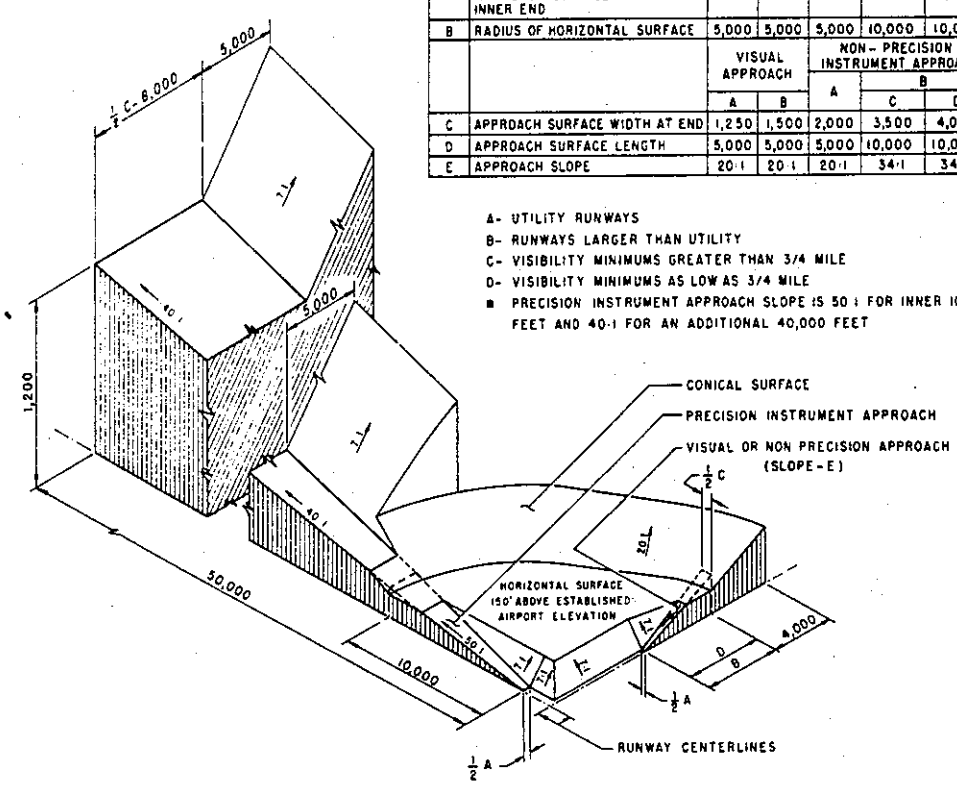
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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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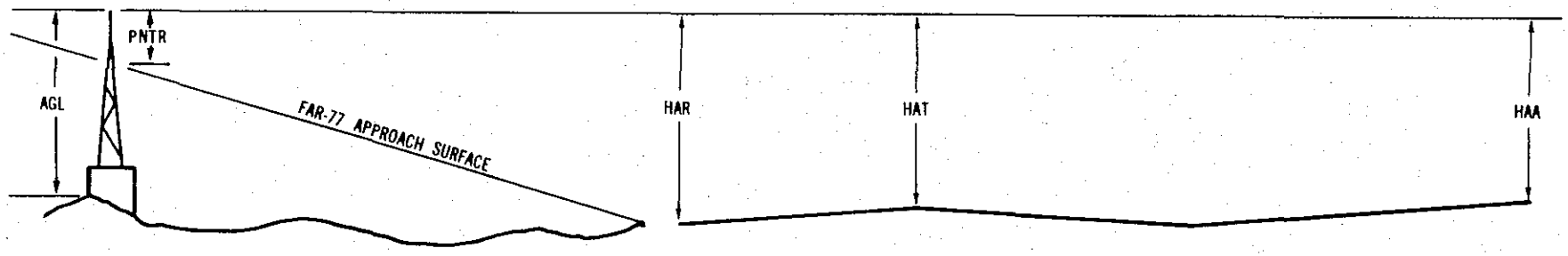

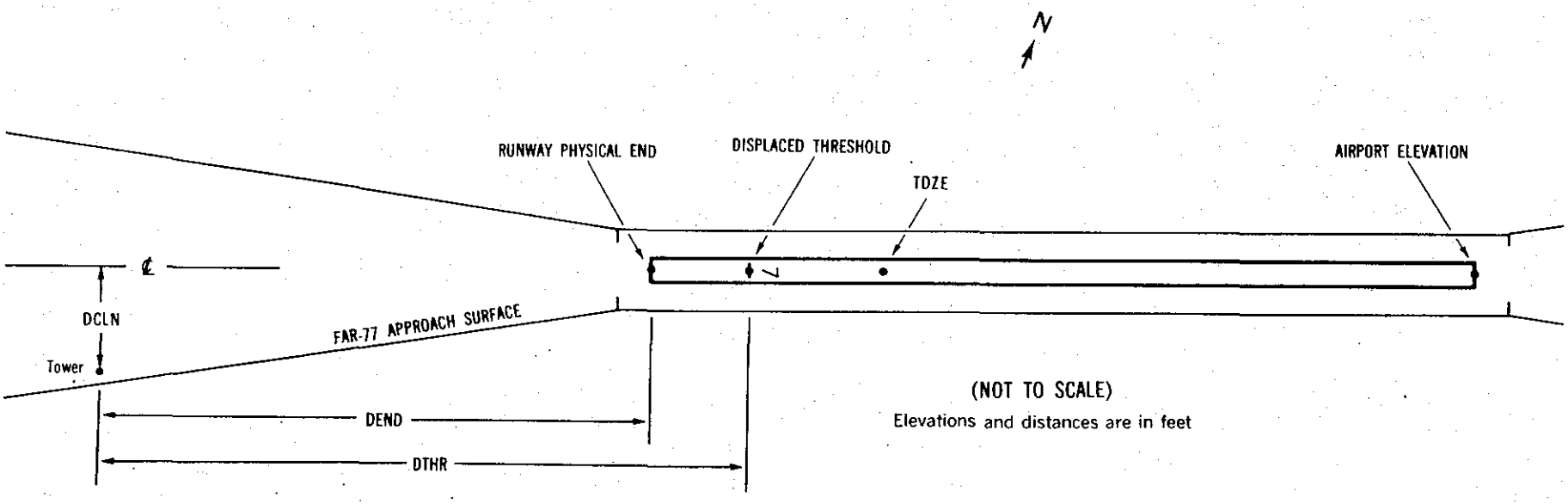

(NOT TO SCALE)

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).

OC0637

AIRPORT ELEVATION 277

4 C 259/260 331249.513N 09249 6.883W 2255434

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	331339.39	0924812.75	1A	270		11	10	-7	-6811		421L	10
BUSH	331338.35	0924811.96	1A	272		13	12	-5	-6786		299L	12
GROUND	331338.49	0924815.18	1A	269		10	9	-8	-6599		500L	9
GROUND	331326.25	0924813.33	1A	264		5	4	-13	-5851		498R	9
BUSH	331328.54	0924824.54	1A	267		8	7	-10	-5328		330L	15
TREE	331321.48	0924819.47	1A	270		11	10	-7	-5141		482R	19
BUSH	331319.10	0924837.72	1A	260		1	0	-17	-3860		424L	13
CEILOMETER	331301.20	0924847.57	1A	262		3	2	-15	-2000		293R	3
BUSH	331254.45	0924852.37	1A	265		6	5	-12	-1233		499R	6
TREE	331254.76	0924907.92	1A	308		49	48	31	-305		442L	50
TREE	331250.61	0924913.52	1A	292		33	32	15	328		472L	29
TREE	331248.48	0924916.88	1A	318		59	58	41	683		516L	45
ROD ON OL DME	331243.16	0924915.97	1A	262		3	2	-15	1001		76L	-21
TREE	331245.00	0924920.54	1A	324		65	64	47	1151		480L	37
TREE	331242.78	0924918.43	1A	311		52	51	34	1178		194L	23
TREE	331240.25	0924916.72	1A	313		54	53	36	1252		91R	23
TREE	331235.17	0924915.10	1A	325		66	65	48	1510		555R	27
TREE	331234.70	0924921.94	1A	315		56	55	38	1960		185R	4

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AIRPORT ELEVATION 277

22 D 260/260 331334.940N 0924811.089W 0455504

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	331254.76	0924907.92	1A	308		48	48	31	-6294		442R	50
BUSH	331254.45	0924852.37	1A	265		5	5	-12	-5367		499L	6
CEILOMETER	331301.20	0924847.57	1A	262		2	2	-15	-4599		293L	3
BUSH	331319.10	0924837.72	1A	260		0	0	-17	-2739		424R	13
TREE	331321.48	0924819.47	1A	270		10	10	-7	-1458		482L	19
BUSH	331328.54	0924824.54	1A	267		7	7	-10	-1271		330R	15
GROUND	331326.25	0924813.33	1A	264		4	4	-13	-748		498L	9
GROUND	331338.49	0924815.18	1A	269		9	9	-8	0		500R	9
BUSH	331338.35	0924811.96	1A	272		12	12	-5	187		299R	12
GROUND	331339.39	0924812.75	1A	270		10	10	-7	212		421R	10
TREE	331342.31	0924807.44	1A	291		31	31	14	741		319R	15
TREE	331346.97	0924806.92	1A	304		44	44	27	1100		627R	18
TREE	331339.42	0924754.17	1A	314		54	54	37	1347		674L	20
TREE	331349.79	0924803.47	1A	311		51	51	34	1509		628R	12
TREE	331357.02	0924750.73	1A	352		92	92	75	2795		401R	16
TREE	331351.66	0924742.75	1A	354		94	94	77	2905		460L	14
TREE	331353.97	0924743.49	1A	356		96	96	79	3022		249L	13
TREE	331359.17	0924744.01	1A	362		102	102	85	3356		159R	9
TREE	331403.41	0924746.37	1A	374		114	114	97	3510		606R	17

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AIRPORT ELEVATION 277

13 SUPLC 277/277 331338.499N 09249 5.944W 3155455

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	331300.76	0924822.54	1A	245		-32	-32	-32	-5305		5R	1
TREE	331337.01	0924907.97	1A	311		34	34	34	12		229R	34
TREE	331339.12	0924910.90	1A	307		30	30	30	338		259R	26
TREE	331339.76	0924911.95	1A	315		38	38	38	447		278R	31
TREE	331348.21	0924911.37	1A	328		51	51	51	1026		352L	27
TREE	331344.33	0924918.67	1A	343		66	66	66	1175		367R	37
TREE	331345.77	0924917.68	1A	322		45	45	45	1221		205R	15
TREE	331349.16	0924925.21	1A	352		75	75	75	1912		426R	25
TREE	331351.98	0924927.67	1A	360		83	83	83	2263		378R	22
TREE	331353.97	0924926.78	1A	369		92	92	92	2354		183R	29
TREE	331357.57	0924924.78	1A	401		124	124	124	2498		192L	56
TREE	331400.78	0924922.19	1A	403		126	126	126	2578		575L	56
TREE	331360.00	0924924.06	1A	407		130	130	130	2631		406L	58

31 SUPLC 244/261 331302.271N 0924824.204W 1355518

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	331337.01	0924907.97	1A	311		67	50	34	-5109		229L	34
GROUND	331300.76	0924822.54	1A	245		1	-16	-32	208		5L	1
TREE	331301.60	0924819.35	1A	276		32	15	-1	335		249R	28
TREE	331301.32	0924818.46	1A	287		43	26	10	409		284R	37
TREE	331257.22	0924822.82	1A	283		39	22	6	449		271L	32
TREE	331254.37	0924820.35	1A	277		33	16	0	801		320L	15
TREE	331257.37	0924812.90	1A	282		38	21	5	1024		346R	14
TREE	331250.51	0924817.18	1A	311		67	50	34	1269		398L	36
TREE	331255.62	0924810.51	1A	300		56	39	23	1292		368R	24
TREE	331253.52	0924807.46	1A	303		59	42	26	1626		407R	17
TREE	331244.35	0924810.98	1A	339		95	78	62	2083		453L	40
TREE	331244.71	0924806.51	1A	329		85	68	52	2321		155L	23
TREE	331243.92	0924757.48	1A	318		74	57	41	2912		341R	-6

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AIRPORT ELEVATION 277

35 A(V) 258/270 331253.440N 09249 4.727W 1805502

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	331234.54	0924903.85	1A	331		73	61	54	1909		105R	-12

17 A(V) 275/275 331330.259N 09249 4.026W 0005502

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	331341.44	0924902.82	1A	319		44	44	42	1132		85L	-3
TREE	331342.03	0924905.49	1A	321		46	46	44	1188		143R	-3
TREE	331344.80	0924901.84	1A	341		66	66	64	1473		162L	2
TREE	331347.64	0924903.60	1A	351		76	76	74	1757		8L	-2

OC0637

AIRPORT ELEVATION 277

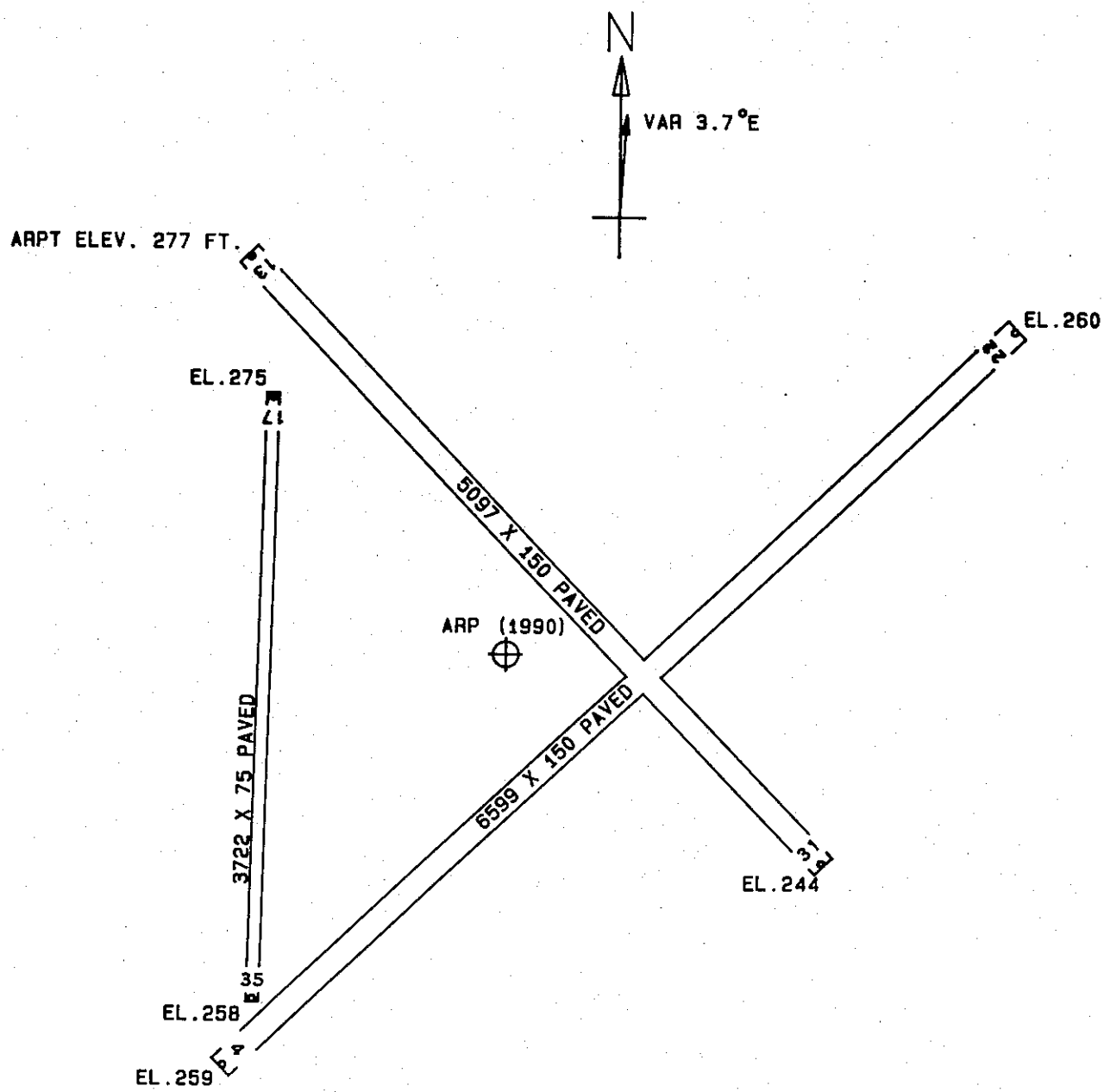
ARP 331314.833N 0924847.128W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
OL ON LIGHTED WINDSOCK	331313.56	0924850.90	1A	283		6	244 20	345
TREE	331325.39	0924845.97	1A	286		9	1 35	1072
OL ON HANGAR	331301.20	0924841.19	1A	284		7	156 12	1468
ANTENNA ON OL BUILDING	331300.34	0924837.38	1A	309		32	146 50	1683
TREE	331320.53	0924906.88	1A	317		40	285 14	1774
ROD ON AIRPORT BEACON	331257.18	0924839.33	1A	311		34	155 55	1903
TREE	331333.34	0924852.07	1A	329		52	343 38	1917
ROD ON OL DF	331300.58	0924832.01	1A	272		-5	134 35	1930
TREE	331305.63	0924907.77	1A	324		47	238 21	1985
TREE	331315.56	0924821.45	1A	299		22	84 21	2183
TREE	331330.29	0924828.76	1A	320		43	41 16	2209
TREE	331331.03	0924908.10	1A	339		62	308 53	2420
TREE	331250.13	0924855.15	1A	315		38	191 34	2588
TREE	331256.54	0924824.68	1A	305		28	130 25	2656
TREE	331339.53	0924858.59	1A	325		48	334 59	2679
TREE	331254.81	0924909.19	1A	318		41	219 6	2758
TREE	331248.75	0924857.00	1A	311		34	193 57	2767
TREE	331254.22	0924911.04	1A	316		39	220 35	2910
TREE	331322.23	0924813.60	1A	311		34	71 36	2945
TREE	331338.03	0924910.35	1A	320		43	316 13	3064
TREE	331301.02	0924814.92	1A	309		32	113 20	3072
TREE	331337.36	0924821.11	1A	329		52	40 27	3173
TREE	331324.37	0924811.05	1A	311		34	68 50	3213
TREE	331258.58	0924813.20	1A	304		27	115 59	3318
TREE	331340.72	0924822.93	1A	358		81	34 27	3328
TREE	331242.83	0924901.58	1A	313		36	197 6	3460
TREE	331327.99	0924806.51	1A	310		33	65 14	3698
TREE	331326.40	0924805.23	1A	337		60	68 7	3746
TREE	331248.54	0924920.10	1A	331		54	222 49	3862
TREE	331344.16	0924817.60	1A	347		70	36 33	3883
TREE	331245.53	0924922.94	1A	332		55	222 4	4247
TREE	331333.55	0924759.89	1A	307		30	61 3	4437
TREE	331354.13	0924911.94	1A	373		96	328 21	4496

AIRPORT ELEVATION 277

ARP 331314.833N 0924847.128W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	331234.37	0924911.84	1A	335		58	203 29	4597
TREE	331233.51	0924909.76	1A	338		61	201 1	4598
TREE	331351.01	0924804.00	1A	338		61	41 21	5176
TREE	331354.07	0924801.54	1A	348		71	40 37	5543
TREE	331356.26	0924758.99	1A	341		64	40 37	5853



TOUCHDOWN ZONE RUNWAY	ELEVATION
4	260
22	260
13	277
31	261
35	270
17	275

GOODWIN FIELD

EL DORADO, ARKANSAS

(NOT TO SCALE)