OBSTRUCTION DATA SHEET

ODS 30
ROBERT MUELLER MUNICIPAL AIRPORT
AUSTIN, TEXAS

DIGITIZED FROM

OC 30
SURVEYED MARCH 1990
12TH EDITION

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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).

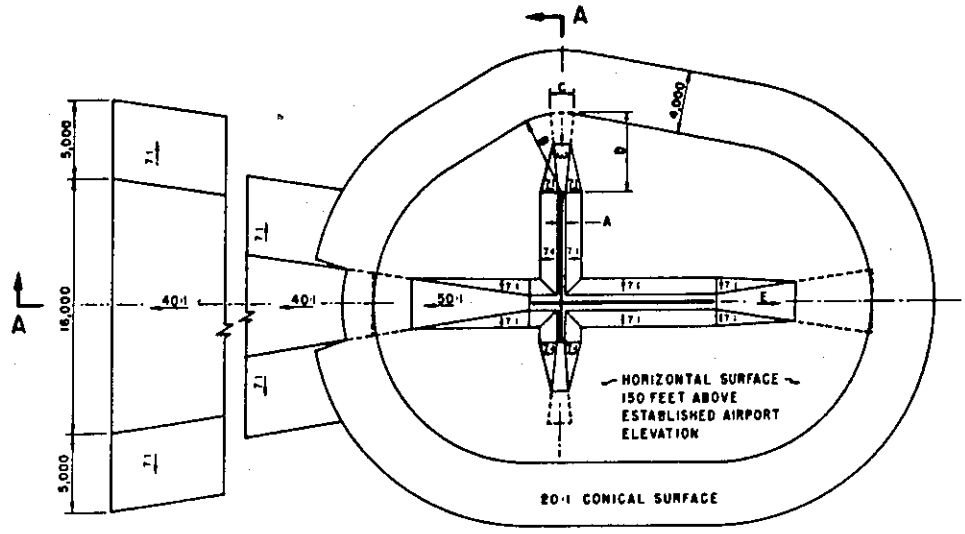
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

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)

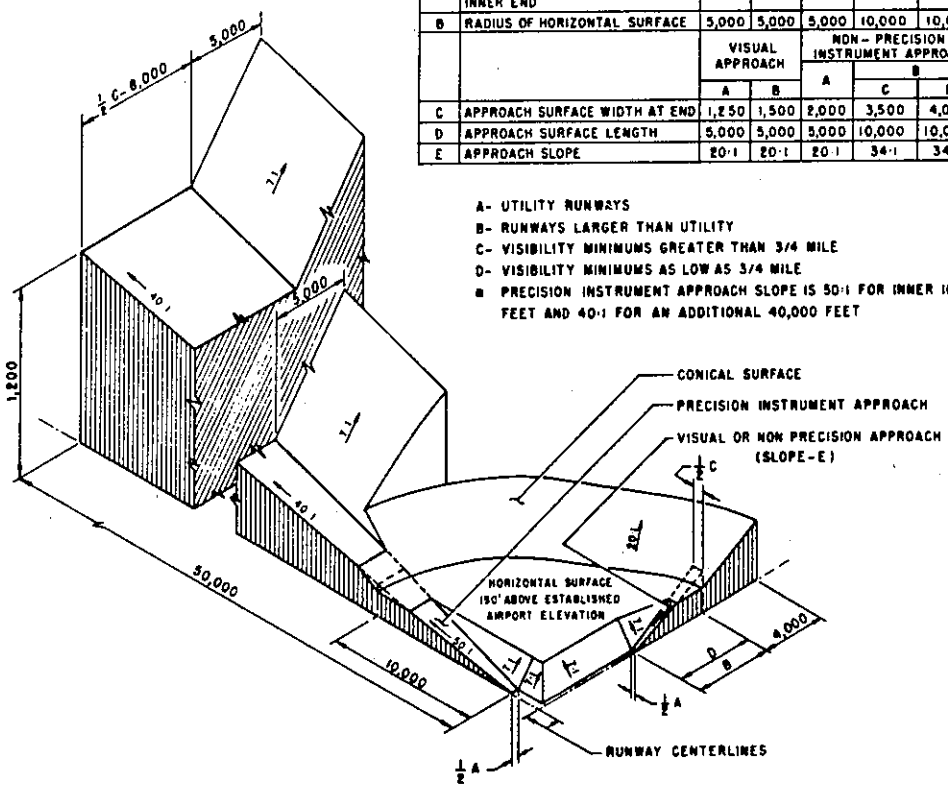
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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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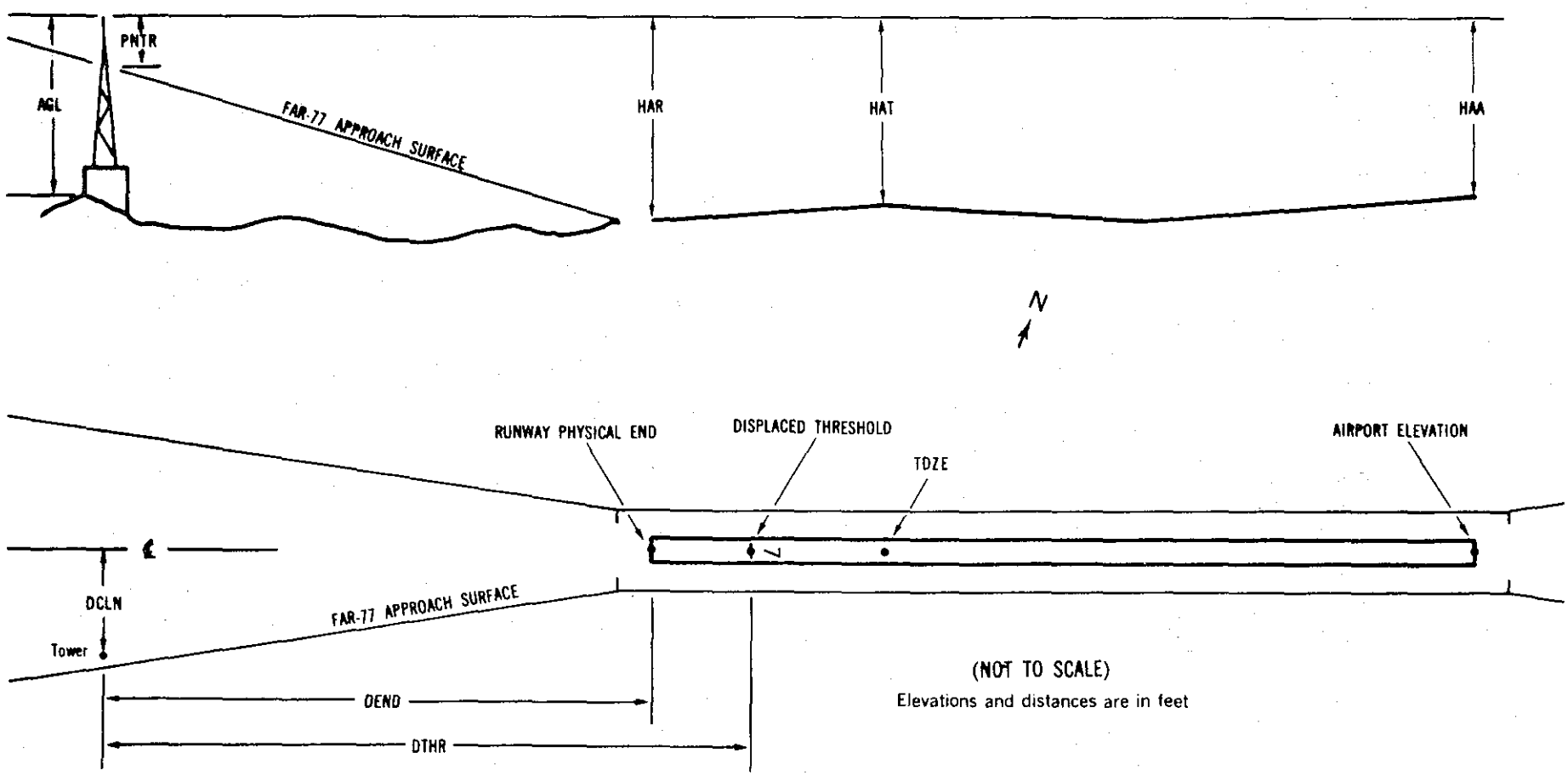


EXPLANATION OF FOOTNOTES

[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).

OC0030

AIRPORT ELEVATION 632

13L A(V) 628/628 301813.687N 0974214.456W 3133928

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL RTR TOWER	301829.06	0974231.29	1A	675		47	47	43	2139		105L	-50
ROAD (N)	301830.55	0974235.26	1A	658		30	30	26	2495		27R	-85
LIGHT STANDARD	301833.15	0974236.32	1A	682		54	54	50	2744		100L	-73
TREE	301834.05	0974240.28	1A	692		64	64	60	3057		74R	-79
TREE	301838.99	0974244.18	1A	695		67	67	63	3650		51L	-105
TREE	301836.39	0974249.13	1A	706		78	78	74	3783		439R	-101
TREE	301843.82	0974247.48	1A	714		86	86	82	4196		204L	-114
TREE	301842.52	0974250.66	1A	727		99	99	95	4307		83R	-106

31R A(V) 601/624 301746.361N 0974141.459W 1333945

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LIGHT STANDARD	301742.42	0974135.63	1A	619		18	-5	-13	644		65R	-4
OL ON LIGHT STANDARD	301740.21	0974132.91	1A	629		28	5	-3	971		68R	-11
TREE	301728.08	0974119.62	1A	605		4	-19	-27	2661		14L	-119
TREE	301725.02	0974120.58	1A	589		-12	-35	-43	2813		296L	-143
TREE	301725.66	0974116.90	1A	602		1	-22	-30	3002		26L	-139
TREE	301722.71	0974115.09	1A	588		-13	-36	-44	3322		132L	-169
TREE	301720.00	0974111.37	1A	598		-3	-26	-34	3747		105L	-180

OC0030

AIRPORT ELEVATION 632

13R PIR 630/630 301816.902N 0974229.914W 3133857

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GLIDE SLOPE	301736.89	0974134.99	1A	638		8	8	6	-6274		400L	51
OL ON LIGHTED WINDSOCK	301736.99	0974137.19	1A	603		-27	-27	-29	-6128		273L	14
OL ON LIGHTED WINDSOCK	301750.19	0974149.12	1A	629		-1	-1	-3	-4451		516L	21
OL ON LIGHTED WINDSOCK	301810.05	0974217.24	1A	642		12	12	10	-1282		266L	16
ROD ON OL GLIDE SLOPE	301811.93	0974216.47	1A	680		50	50	48	-1200		450L	54
ANTENNA ON POLE	301821.43	0974240.16	1A	653		23	23	21	966		289R	8
OL LOCALIZER	301823.69	0974238.11	1A	645		15	15	13	994		0L	-1
LIGHT STANDARD	301825.63	0974240.06	1A	660		30	30	28	1253		24L	9
ROAD (N)	301830.55	0974235.26	1A	658		28	28	26	1291		674L	6
TREE	301822.63	0974245.13	1A	669		39	39	37	1365		502R	16
TREE	301824.75	0974243.74	1A	674		44	44	42	1425		263R	20
TREE	301829.59	0974242.85	1A	683		53	53	51	1705		145L	23
POLE	301823.92	0974250.31	1A	669		39	39	37	1783		721R	7
TREE	301834.05	0974240.28	1A	692		62	62	60	1853		626L	29
TREE	301830.93	0974246.57	1A	693		63	63	61	2034		17L	26
TREE	301838.99	0974244.18	1A	695		65	65	63	2445		752L	20
TREE	301836.39	0974249.13	1A	706		76	76	74	2578		262L	28
TREE	301843.82	0974247.48	1A	714		84	84	82	2991		905L	28
TREE	301842.52	0974250.66	1A	727		97	97	95	3102		617L	39
TREE	301841.11	0974259.23	1A	709		79	79	77	3547		4R	12
TREE	301839.50	0974301.70	1A	705		75	75	73	3591		271R	7
TREE	301855.31	0974257.43	1A	723		93	93	91	4424		1144L	9
CHURCH SPIRE	301845.40	0974308.89	1A	717		87	87	85	4460		275R	2
TREE	301853.96	0974259.67	1A	721		91	91	89	4472		909L	6
ANTENNA ON OL BUILDING	301910.09	0974404.74	1A	805		175	175	173	9723		1848R	-15

OC0030

AIRPORT ELEVATION 632

31L PIR 574/610 301727.237N 0974129.928W 1333927

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GLIDE SLOPE	301811.93	0974216.47	1A	680		106	70	48	-6069		450R	54
OL ON LIGHTED WINDSOCK	301810.05	0974217.24	1A	642		68	32	10	-5986		266R	16
OL ON LIGHTED WINDSOCK	301750.19	0974149.12	1A	629		55	19	-3	-2818		516R	21
OL ON LIGHTED WINDSOCK	301736.99	0974137.19	1A	603		29	-7	-29	-1141		273R	14
ROD ON OL GLIDE SLOPE	301736.89	0974134.99	1A	638		64	28	6	-994		400R	51
TREE	301721.06	0974131.35	1A	591		17	-19	-41	341		538L	14
ANTENNA ON BUILDING	301722.71	0974127.80	1A	579		5	-31	-53	450		202L	1
OL ON LOCALIZER	301723.98	0974126.00	1A	573		-1	-37	-59	476		0L	-7
TREE	301719.08	0974127.71	1A	580		6	-30	-52	709		462L	-4
TREE	301725.02	0974120.58	1A	589		15	-21	-43	747		404R	4
TREE	301717.32	0974124.05	1A	586		12	-24	-46	1065		369L	-5
TREE	301722.71	0974115.09	1A	588		14	-22	-44	1257		567R	-7
TREE	301720.00	0974111.37	1A	598		24	-12	-34	1682		595R	-6
ANTENNA	301706.02	0974057.36	1A	636		62	26	4	3545		421R	-5

17 C 632/632 301817.524N 0974221.127W 3533905

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LIGHTED WINDSOCK	301738.33	0974213.61	1A	622		-10	-10	-10	-4008		217L	16
OL ON LIGHTED WINDSOCK	301810.05	0974217.24	1A	642		10	10	10	-788		255L	15
TREE	301826.62	0974221.08	1A	669		37	37	37	913		105L	16
TREE	301827.82	0974223.84	1A	673		41	41	41	1060		121R	16
TREE	301829.87	0974227.57	1A	671		39	39	39	1302		423R	7
TREE	301831.64	0974220.20	1A	687		55	55	55	1409		239L	19
OL ON BUILDING	301904.41	0974230.34	1A	762		130	130	130	4797		279R	-5
ANTENNA ON BUILDING	301908.78	0974219.35	1A	785		153	153	153	5129		728L	8
ANTENNA ON BUILDING	301925.82	0974216.22	1A	776		144	144	144	6810		1191L	-50
ANTENNA ON BUILDING	301925.62	0974237.67	1A	793		161	161	161	6997		680R	-39
ANTENNA ON BUILDING	301944.05	0974240.64	1A	806		174	174	174	8876		734R	-81

OC0030

AIRPORT ELEVATION 632

35 SUPLC 596/620 301728.277N 0974214.813W 1733908

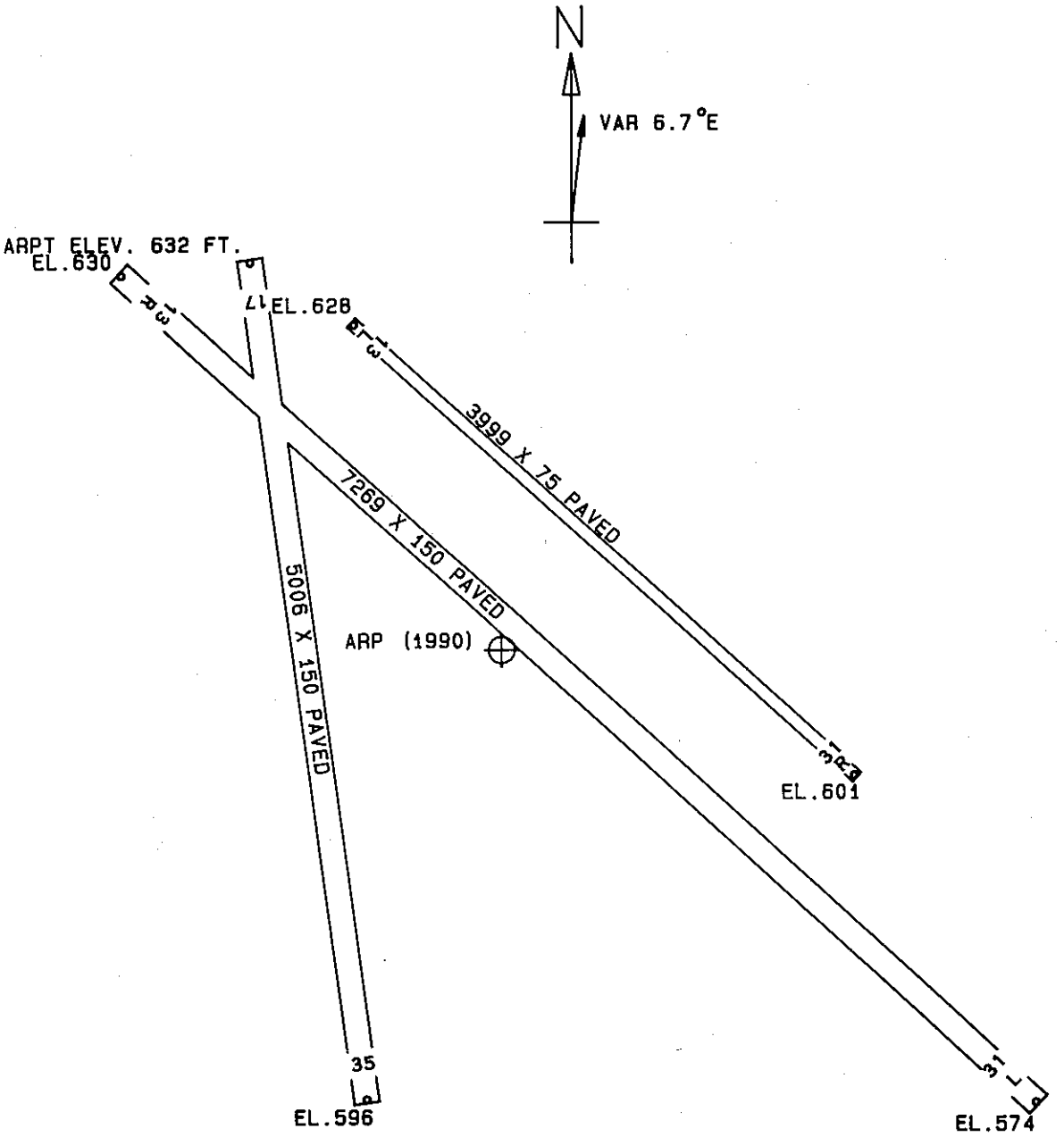
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LIGHTED WINDSOCK	301810.05	0974217.24	1A	642		46	22	10	-4218		255R	15
OL ON LIGHTED WINDSOCK	301738.33	0974213.61	1A	622		26	2	-10	-998		217R	16
TREE	301722.61	0974210.57	1A	610		14	-10	-22	610		306R	2
TREE	301719.60	0974215.70	1A	623		27	3	-9	863		174L	8
TREE	301718.19	0974214.02	1A	628		32	8	-4	1020		44L	8
TREE	301716.90	0974215.90	1A	629		33	9	-3	1132		222L	6

OC0030

AIRPORT ELEVATION 632

ARP 301754.280N 0974204.990W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
OL VORTAC	301750.38	0974210.99	1A	650		18	226 27	657
OL ON LIGHTED WSK ON HGR	301808.21	0974156.40	1A	667		35	21 27	1596
OL ON LIGHTED WSK ON HGR	301746.89	0974224.58	1A	658		26	239 49	1873
ANTENNA & APBN ON OL ATCT	301730.34	0974155.17	1A	709		77	153 42	2567
TREE	301810.29	0974231.11	1A	659		27	298 32	2804
POLE	301824.31	0974216.94	1A	663		31	334 14	3209
OL ON POLE	301725.22	0974220.81	1A	634		2	198 35	3247
TREE	301825.81	0974216.00	1A	692		60	336 27	3328
ANTENNA	301812.69	0974237.17	1A	679		47	296 42	3379
ROD OL RADAR DOME	301726.16	0974143.13	1A	637		5	139 18	3427
TREE	301815.80	0974239.83	1A	684		52	298 45	3749
TREE	301718.37	0974218.65	1A	636		4	191 35	3820
TREE	301721.54	0974134.93	1A	615		-17	134 45	4229
TREE	301819.78	0974246.97	1A	678		46	298 18	4492
TREE	301718.20	0974131.21	1A	599		-33	134 12	4697
LIGHT STANDARD	301834.70	0974232.27	1A	698		66	322 57	4732
ROD ON ASR	301702.20	0974148.65	1B	636		4	158 4	5453
ANTENNA ON BUILDING	301908.35	0974158.94	1B	770		138	357 21	7501
LIGHT TOWER	301646.43	0974315.00	1B	752		120	215 9	9201
VENT ON BUILDING	301920.87	0974243.56	1B	762		130	332 10	9379
ANTENNA ON OL BUILDING	301927.52	0974209.39	1B	798		166	350 57	9428
ANTENNA	301916.82	0974301.04	1B	785		153	322 48	9679
ANTENNA ON BUILDING	301934.95	0974213.90	1B	809		177	348 54	10200
ANTENNA ON OL BUILDING	301928.64	0974248.51	1B	785		153	331 30	10267
ANTENNA ON BUILDING	301719.42	0974409.16	1A	805	245	173	245 23	11442
FLOODLIGHT ON BUILDING	301951.12	0974213.70	1B	791		159	349 36	11828
ANTENNA ON BUILDING	301710.04	0974420.59	2A	922	328	290	242 42	12701
ANTENNA ON BUILDING	301659.35	0974427.27	2A	883	316	251	239 20	13653



TOUCHDOWN ZONE RUNWAY	ELEVATION
13L	628
31R	624
13R	630
31L	610
17	632
35	620

ROBERT MUELLER MUNICIPAL AIRPORT

AUSTIN , TEXAS

(NOT TO SCALE)