OBSTRUCTION DATA SHEET

ODS 5396
RENTON MUNICIPAL AIRPORT
RENTON, WASHINGTON

DIGITIZED FROM

OC 5396
SURVEYED JUNE 1989
6TH 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).

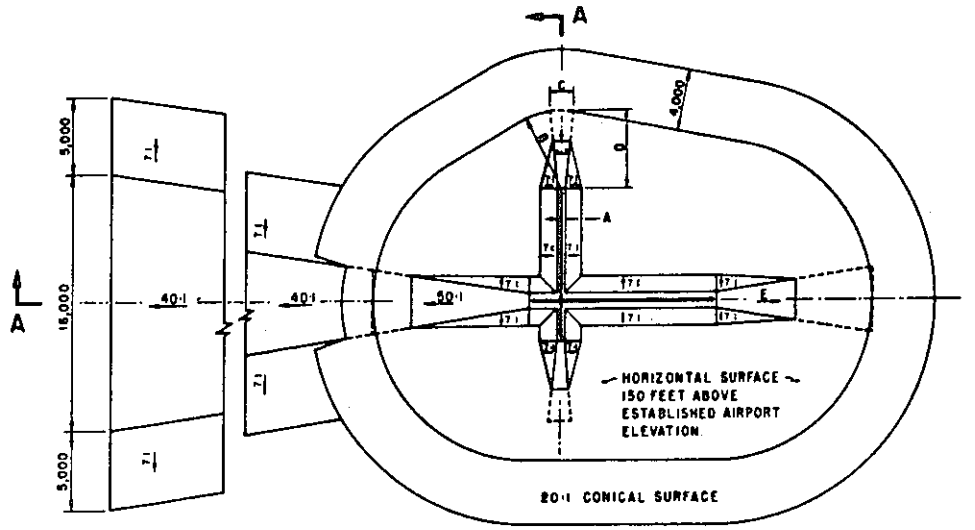
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

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)

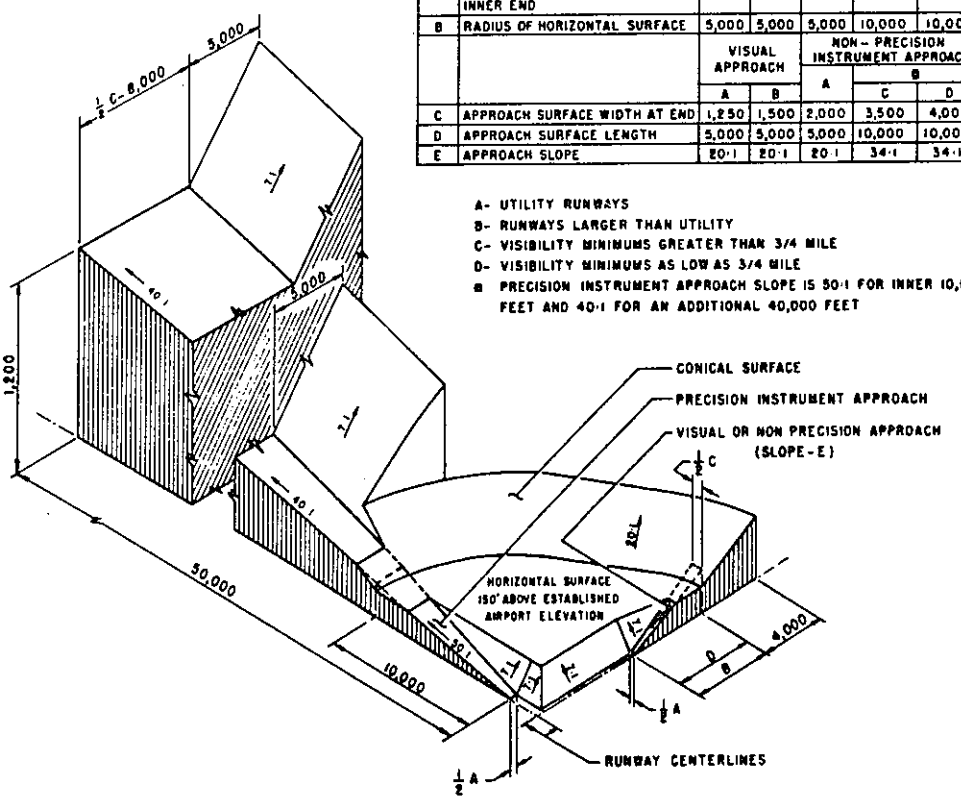
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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

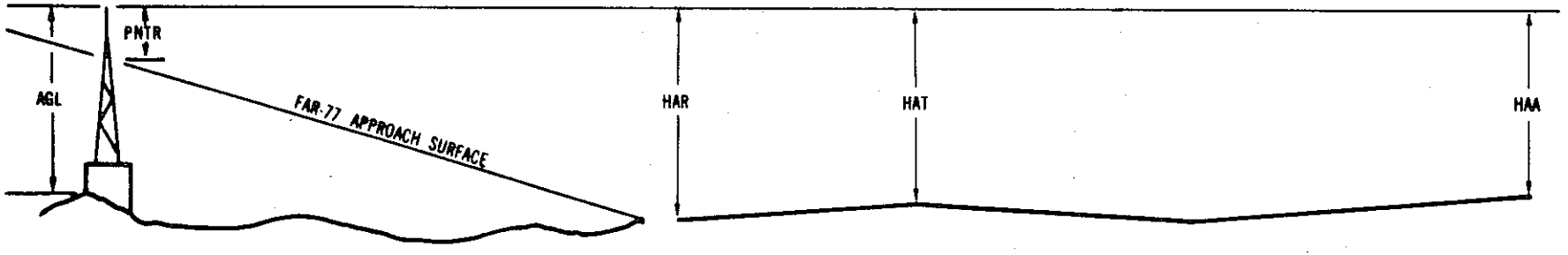
OC XXXX

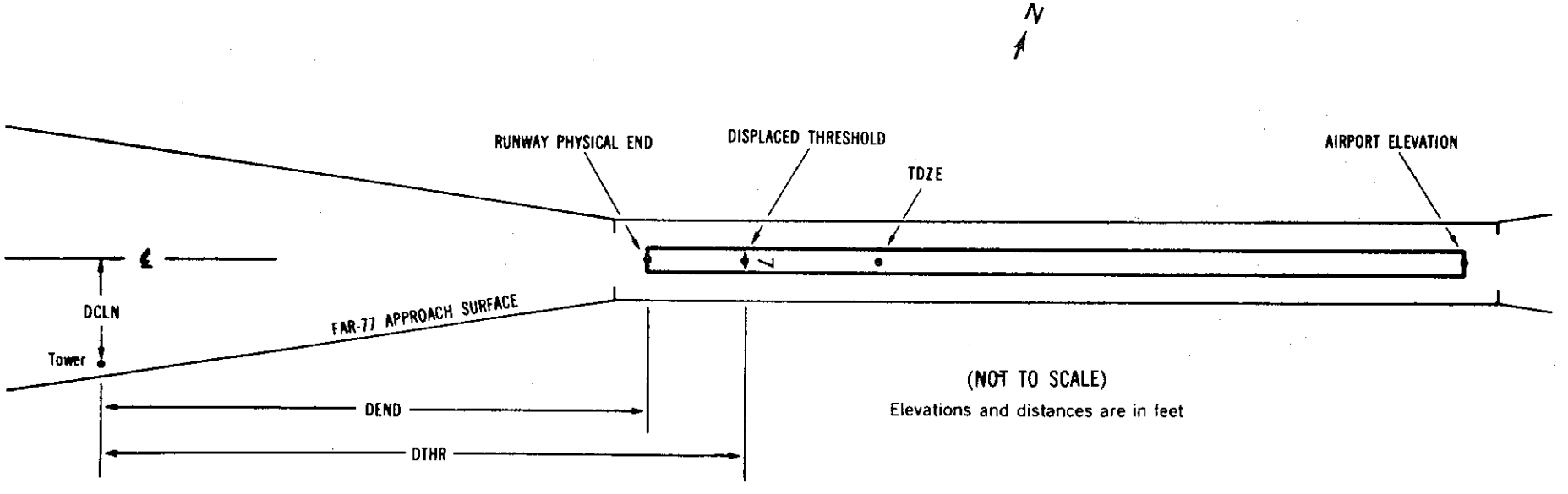
AIRPORT ELEVATION XXXX

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]
XXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXX	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).

OC5396

AIRPORT ELEVATION 29

15 PIR 21/22 473002.311N 1221256.245W 3540830

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON BLAST SHIELD	472907.68	1221247.90	1A	49		28	27	20	-5565		5L	20
SIGN	472908.71	1221253.86	1A	49		28	27	20	-5419		392R	20
OL ON HANGAR	472910.81	1221242.23	1A	64		43	42	35	-5290		425L	36
HANGAR	472922.10	1221255.65	1A	43		22	21	14	-4057		375R	20
BLAST FENCE	472924.98	1221243.47	1A	34		13	12	5	-3853		487L	11
POLE	472932.02	1221244.14	1A	52		31	30	23	-3138		514L	30
OL ON WINDSOCK	472931.91	1221247.01	1A	50		29	28	21	-3129		317L	28
ANT AND APBN ON OL CT TR	472931.72	1221257.83	1A	98		77	76	69	-3072		424R	76
POLE	472938.01	1221244.99	1A	51		30	29	22	-2528		517L	29
MOBILE STAND	472941.60	1221259.15	1A	63		42	41	34	-2068		413R	41
ANTENNA ON RTR TOWER	472942.60	1221247.16	1A	58		37	36	29	-2050		417L	36
NONDIRECTIONAL BEACON	472944.20	1221248.57	1A	55		34	33	26	-1879		337L	33
TREE	472953.90	1221250.76	1A	42		21	20	13	-887		288L	21
SIGN	472955.56	1221252.48	1A	23		2	1	-6	-706		187L	2
ANTENNA ON OL HANGAR	472955.22	1221302.30	1A	55		34	33	26	-673		487R	34
TREE	472959.67	1221248.50	1A	54		33	32	25	-321		502L	33
OL ON LIGHT STANDARD	473000.48	1221301.84	1A	48		27	26	19	-146		401R	27
FENCE	473000.89	1221300.22	1A	25		4	3	-4	-116		286R	4
TREE	473001.47	1221302.81	1A	49		28	27	20	-39		457R	28
FENCE	473002.74	1221249.84	1A	28		7	6	-1	-2		442L	7
WOOD PILING	473003.26	1221253.78	1A	26		5	4	-3	78		178L	5
TREE	473138.52	1221331.84	1A	327		306	305	298	9946		1435R	111
TREE	473150.65	1221342.47	1A	443		422	421	414	11244		2035R	196
TREE	473153.00	1221337.37	1A	473		452	451	444	11445		1663R	221
TREE	473155.29	1221321.40	1A	470		449	448	441	11564		549R	215
TREE	473159.97	1221316.31	1A	485		464	463	456	12000		153R	219
TREE	473204.25	1221302.15	1A	426		405	404	397	12333		858L	152
TREE	473214.23	1221304.92	1A	448		427	426	419	13357		772L	148
TREE	473224.54	1221301.36	1A	459		438	437	430	14372		1122L	134
TREE	473235.33	1221256.89	1A	455		434	433	426	15428		1539L	103
TREE	473305.77	1221257.63	1A	484		463	462	455	18502		1803L	55

OC5396

AIRPORT ELEVATION 29

33 C 29/ 472909.499N 1221248.251W 1740836 27/27 472912.837N 1221248.756W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WOOD PILING	473003.26	1221253.78	1A	26		-3	-1	-3	-5457	-5117	178R	5
FENCE	473002.74	1221249.84	1A	28		-1	1	-1	-5377	-5037	442R	7
TREE	473001.47	1221302.81	1A	49		20	22	20	-5340	-5000	457L	28
FENCE	473000.89	1221300.22	1A	25		-4	-2	-4	-5263	-4924	286L	4
OL ON LIGHT STANDARD	473000.48	1221301.84	1A	48		19	21	19	-5234	-4894	401L	27
TREE	472959.67	1221248.50	1A	54		25	27	25	-5058	-4718	502R	33
ANTENNA ON OL HANGAR	472955.22	1221302.30	1A	55		26	28	26	-4706	-4366	487L	34
SIGN	472955.56	1221252.48	1A	23		-6	-4	-6	-4673	-4333	187R	2
TREE	472953.90	1221250.76	1A	42		13	15	13	-4493	-4153	288R	21
NONDIRECTIONAL BEACON	472944.20	1221248.57	1A	55		26	28	26	-3500	-3160	337R	33
ANTENNA ON RTR TOWER	472942.60	1221247.16	1A	58		29	31	29	-3329	-2989	417R	36
MOBILE STAND	472941.60	1221259.15	1A	63		34	36	34	-3312	-2972	413L	41
POLE	472938.01	1221244.99	1A	51		22	24	22	-2851	-2511	517R	29
ANT AND APBN ON OL CT TR	472931.72	1221257.83	1A	98		69	71	69	-2307	-1967	424L	76
OL ON WINDSOCK	472931.91	1221247.01	1A	50		21	23	21	-2250	-1910	317R	28
POLE	472932.02	1221244.14	1A	52		23	25	23	-2241	-1901	514R	30
BLAST FENCE	472924.98	1221243.47	1A	34		5	7	5	-1527	-1187	486R	11
HANGAR	472922.10	1221255.65	1A	43		14	16	14	-1322	-982	375L	20
OL ON HANGAR	472910.81	1221242.23	1A	64		35	37	35	-90	250	425R	36
SIGN	472908.71	1221253.86	1A	49		20	22	20	40	380	392L	20
OL ON BLAST SHIELD	472907.68	1221247.90	1A	49		20	22	20	186	526	5R	20
LIGHT STANDARD	472906.32	1221253.38	1A	69		40	42	40	285	625	383L	38
LIGHT STANDARD	472907.11	1221241.67	1A	71		42	44	42	286	626	425R	39
POLE	472904.91	1221249.55	1A	61		32	34	32	454	794	136L	25
TREE	472859.79	1221252.73	1A	110		81	83	81	948	1288	406L	59
TREE	472859.27	1221254.75	1A	114		85	87	85	986	1326	550L	62
ROD ON STACK	472856.56	1221237.08	1A	134		105	107	105	1382	1722	630R	70
TREE	472855.49	1221241.00	1A	120		91	93	91	1462	1802	351R	54
TRANSMISSION TOWER	472834.56	1221253.12	1A	116		87	89	87	3488	3828	694L	-10
TRANSMISSION TOWER	472801.64	1221224.89	1A	190		161	163	161	7003	7343	895R	-39
TREE	472758.12	1221244.58	1A	232		203	205	203	7221	7561	487L	-3
TREE	472743.08	1221233.67	1A	288		259	261	259	8813	9153	103R	6
TREE	472741.89	1221247.74	1A	276		247	249	247	8834	9174	871L	-7

AIRPORT ELEVATION 29

33 C 29/ 472909.499N 1221248.251W 1740836 27/27 472912.837N 1221248.756W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	472733.30	1221234.51	1A	297		268	270	268	9792	10132	55L	-14
TREE	472733.28	1221226.01	1A	306		277	279	277	9854	10194	526R	-7
TREE	472729.76	1221226.70	1A	334		305	307	305	10205	10545	442R	105

OC5396

AIRPORT ELEVATION 29

ARP 472935.905N 1221252.247W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	472938.80	1221306.56	1A	218		189	266 48	1026
OL ON FLOODLIGHT	472945.38	1221301.48	1A	61		32	306 47	1150
TREE	472930.35	1221307.02	1A	214		185	221 12	1160
TREE	472926.49	1221307.10	1A	204		175	207 8	1397
TREE	472948.75	1221244.42	1A	75		46	2 39	1408
OL ON FLOODLIGHT	472950.65	1221302.60	1A	58		29	314 45	1654
TREE	472920.25	1221304.03	1A	171		142	187 13	1781
TREE	472921.89	1221234.85	1A	142		113	120 8	1856
TREE	472917.70	1221258.21	1A	117		88	172 43	1890
TREE	472955.18	1221310.98	1A	169		140	306 50	2339
OL ON HANGAR	472914.41	1221239.27	1A	102		73	137 56	2353
WINDSOCK	472912.90	1221258.49	1A	76		47	170 37	2370
OL ON BUILDING	473000.84	1221247.16	1A	87		58	348 4	2551
TREE	473000.70	1221305.97	1A	101		72	319 38	2683
BUILDING	473003.75	1221248.33	1A	39		10	345 38	2834
TREE	473002.90	1221305.54	1A	68		39	321 45	2884
TREE	473002.39	1221308.23	1A	113		84	317 58	2899
TREE	472920.40	1221328.49	1B	453		424	217 56	2943
LIGHT STANDARD	472906.34	1221255.56	1A	71		42	164 33	3005
LIGHT STANDARD	472907.00	1221239.41	1A	70		41	143 27	3058
ANTENNA	472919.48	1221329.80	1B	443		414	217 22	3069
TREE	472929.72	1221340.05	1B	468		439	239 24	3342
TREE	472914.33	1221330.27	1B	446		417	210 16	3406
TREE	472902.10	1221301.54	1A	133		104	170 45	3485
CHURCH SPIRE	472925.96	1221342.48	1B	467		438	233 55	3594
TREE	472935.95	1221346.85	1B	487		458	250 16	3750
TRANSMISSION TOWER	472904.74	1221324.32	1B	412		383	195 6	3850
ANTENNA ON TANK	472924.36	1221347.11	1B	524		495	232 57	3945
TRANSMISSION TOWER	472854.24	1221310.85	1B	286		257	177 2	4411
TREE	472951.98	1221401.57	1B	461		432	269 5	5031
TREE	473012.56	1221348.46	1B	191		162	294 6	5356
TREE	472901.14	1221357.58	1B	413		384	212 4	5705
TRANSMISSION TOWER	472932.85	1221416.44	1B	545		516	247 9	5790

AIRPORT ELEVATION 29

ARP 472935.905N 1221252.247W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	472956.55	1221412.53	1B	458		429	270 59	5897
TRANSMISSION TOWER	473011.45	1221142.40	1B	220		191	33 18	5998
ROD ON OL TANK	472919.39	1221422.81	1B	585		556	235 9	6441
TREE	473017.44	1221404.34	1B	304		275	290 35	6497
TREE	473006.74	1221129.12	1B	325		296	41 30	6508
TREE	472940.60	1221116.71	1B	306		277	66 3	6578
TREE	472915.70	1221426.00	1B	530		501	232 34	6757
TREE	472900.98	1221416.11	1B	440		411	218 39	6760
BUILDING	472837.20	1221155.37	1B	280		251	126 54	7117
TREE	473017.13	1221127.13	1B	376		347	34 38	7184
TREE	473022.55	1221133.22	1B	358		329	29 8	7196
TRANSMISSION TOWER	472915.35	1221111.32	1B	353		324	86 55	7237
TREE	473034.35	1221146.39	1B	328		299	17 34	7451
TREE	473016.48	1221426.88	1B	403		374	282 32	7689
TREE	472934.05	1221058.36	1B	417		388	71 34	7823
BUILDING	472825.50	1221201.56	1B	271		242	134 11	7938
TREE	472832.02	1221141.51	1B	430		401	123 18	8093
OL ON WATER TANK	472932.44	1221451.54	1B	562		533	247 46	8200
TREE	473025.51	1221428.35	1B	318		289	287 30	8296
TREE	473001.30	1221447.28	1B	404		375	268 15	8308
TREE	473007.38	1221058.23	1B	414		385	48 2	8454
STACK	473014.54	1221055.40	1B	430		401	44 11	8928
TREE	472856.63	1221449.80	1B	433		404	223 58	9001
TREE	472911.67	1221458.36	1B	452		423	234 23	9003
TREE	473103.13	1221217.47	1B	248		219	355 19	9155
TREE	473101.15	1221201.52	1B	313		284	2 9	9314
BELL TOWER	472955.37	1221036.95	1B	430		401	58 12	9498
TRANSMISSION TOWER	472842.92	1221057.79	1B	408		379	104 31	9519
TRANSMISSION TOWER	472814.49	1221141.96	1B	544		515	129 51	9558
CHIMNEY ON BUILDING	472923.14	1221032.27	1B	417		388	77 51	9700
TRANSMISSION TOWER	472959.79	1221512.02	1B	446		417	264 22	9898
TRANSMISSION TOWER	472808.34	1221143.83	1B	515		486	132 17	10040
CHIMNEY ON BUILDING	473030.15	1221049.49	1B	451		422	37 5	10063

AIRPORT ELEVATION 29

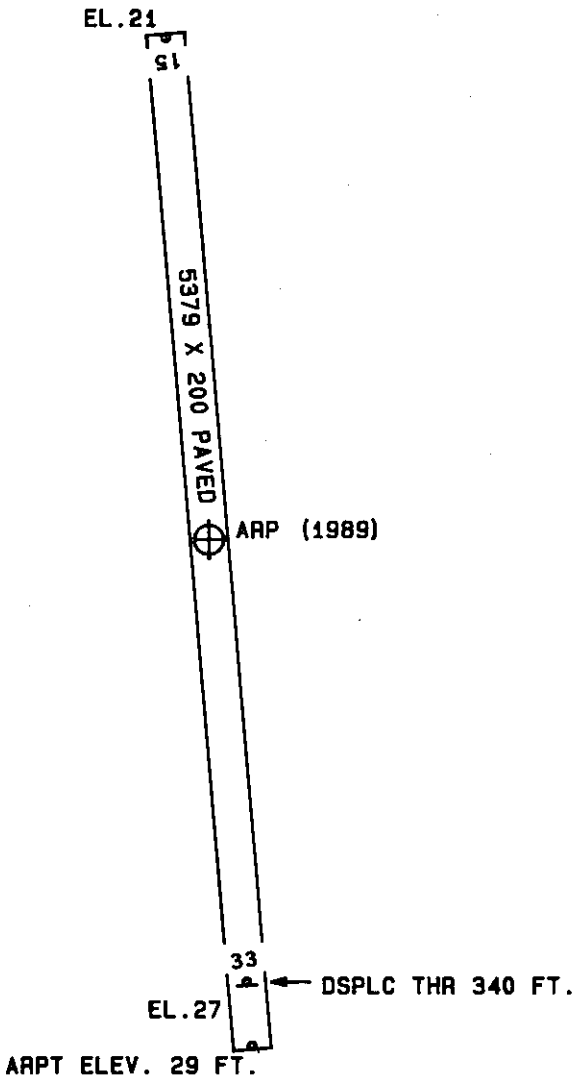
ARP 472935.905N 1221252.247W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	473101.92	1221138.34	1B	304		275	10 24	10085
TRANSMISSION TOWER	472808.02	1221138.37	1B	562		533	130 31	10250
ANTENNA ON BUILDING	472946.33	1221521.30	2C	479		450	256 7	10290
TRANSMISSION TOWER	472812.96	1221125.05	1B	576		547	124 43	10320
TREE	472957.36	1221025.08	2C	458		429	58 3	10337
TREE	472943.57	1221022.00	2C	480		451	65 53	10347
TREE	472915.54	1221020.63	2C	415		386	81 24	10615
TREE	473039.64	1221048.26	1B	440		411	33 0	10685
TREE	472756.79	1221156.48	1B	400		371	139 19	10749
TREE	472923.04	1221527.67	2C	378		349	243 15	10753
TREE	472815.87	1221105.94	1B	450		421	118 11	10912
TREE	472814.78	1221437.23	1B	199		170	201 28	10935
OL ON TANK	473013.81	1221021.35	2C	577		548	49 51	11050
TREE	473058.40	1221104.94	1B	377		348	21 35	11142
TRANSMISSION TOWER	472750.45	1221205.30	1B	380		351	143 24	11161
TRANSMISSION TOWER	472748.26	1221158.46	1B	453		424	141 29	11516
TREE	473009.38	1221532.56	2C	430		401	267 20	11519
TREE	473117.03	1221133.02	1B	325		296	8 9	11600
TREE	472948.31	1221542.57	2C	437		408	256 21	11764
TREE	473024.77	1221528.27	2C	446		417	275 1	11802
TRANSMISSION TOWER	472927.01	1221000.74	2C	515		486	74 33	11813
TRANSMISSION TOWER	472943.74	1220958.75	2C	544		515	66 22	11941
OL ON TANK	472757.31	1221113.02	1B	601		572	125 53	12093
TRANSMISSION TOWER	473010.73	1221002.68	2C	573		544	53 19	12167
TREE	472952.87	1220954.59	2C	533		504	62 10	12321
TREE	472947.60	1221550.87	2C	409		380	255 44	12324
TREE	473113.00	1221056.97	2C	402		373	19 0	12626
TREE	472852.80	1220959.56	2C	470		441	90 24	12639
TREE	473050.04	1221017.79	2C	477		448	34 52	12996
TRANSMISSION TOWER	472736.35	1221142.86	2C	503		474	138 43	13018
TREE	472756.53	1221459.35	2C	273		244	201 8	13327
TREE	472803.43	1221029.94	2C	465		436	113 58	13541
TRANSMISSION TOWER	473027.97	1221556.98	2C	423		394	272 48	13738

AIRPORT ELEVATION 29

ARP 472935.905N 1221252.247W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	473125.40	1221050.08	2C	406		377	17 17	13908
TREE	472726.27	1221137.46	2C	485		456	138 50	14104
TREE	472856.80	1220934.72	2C	504		475	86 28	14133
TRANSMISSION TOWER	473022.01	1221609.33	2C	406		377	269 16	14316
TREE	473048.06	1220952.30	2C	519		490	39 34	14356
TREE	472911.75	1220926.02	2C	480		451	79 59	14373
TREE	473154.16	1221404.35	2C	374		345	320 45	14858
TREE	472753.66	1221016.17	2C	530		501	114 12	14908
TREE	473158.13	1221352.33	2C	412		383	324 14	14990
TRANSMISSION TOWER	472720.83	1221121.04	2C	564		535	135 35	15053



TOUCHDOWN ZONE RUNWAY	ELEVATION
15	22
33	27

RENTON MUNICIPAL AIRPORT

RENTON, WASHINGTON

(NOT TO SCALE)