OBSTRUCTION DATA SHEET

ODS 95
CONCORD MUNICIPAL AIRPORT
CONCORD, NEW HAMPSHIRE

DIGITIZED FROM

OC 95
SURVEYED JUNE 1991
5TH EDITION

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THE NATIONAL OCEAN SERVICE
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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).

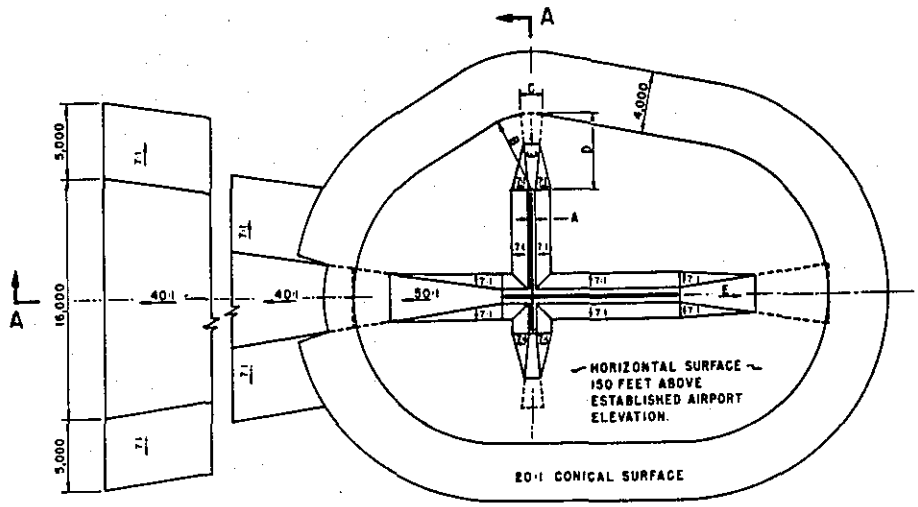
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

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)

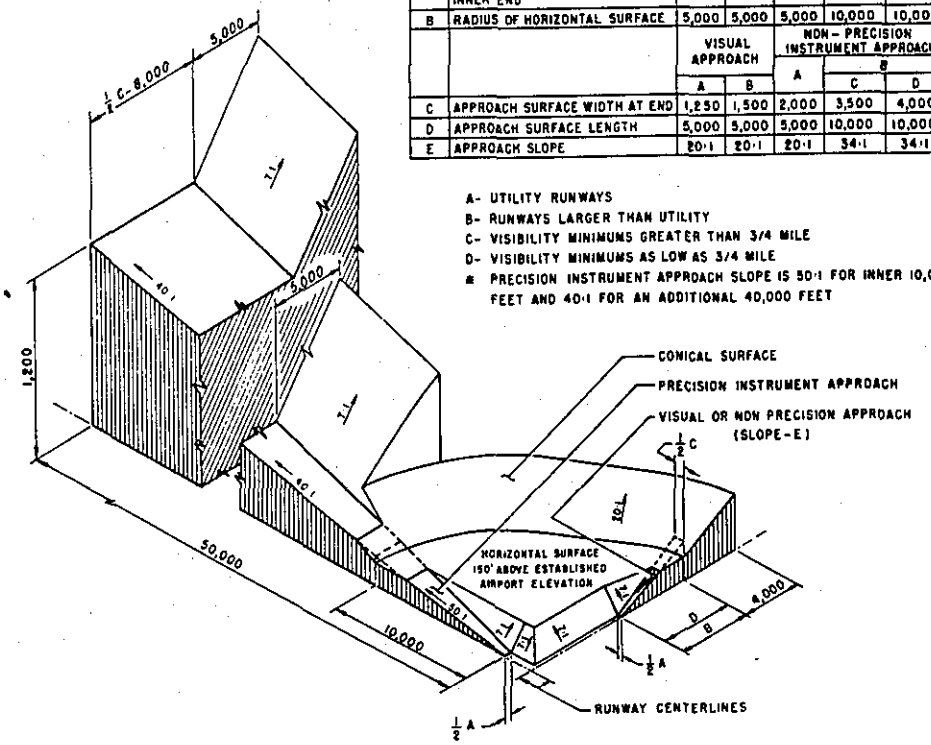
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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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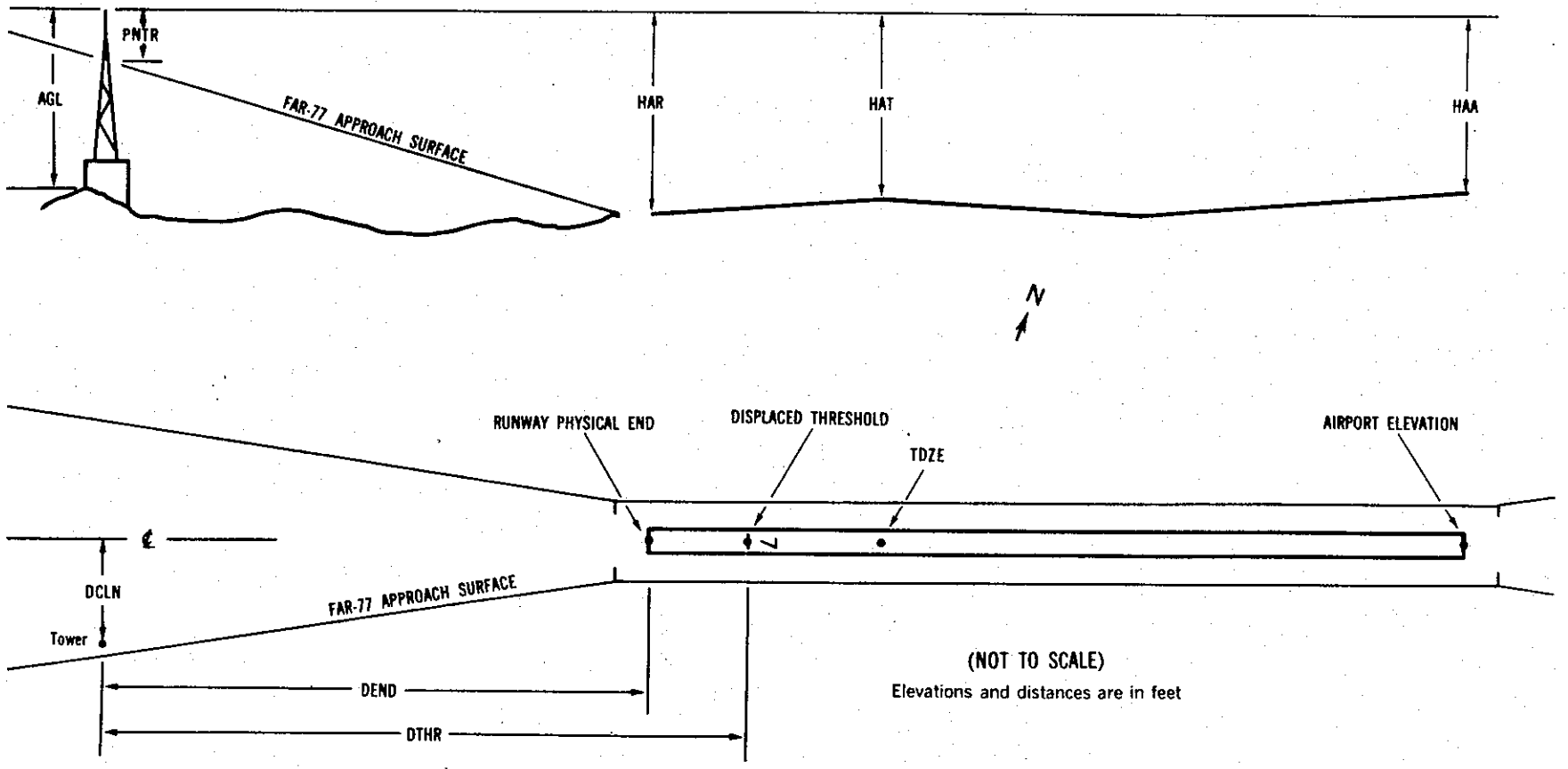

EXPLANATION OF FOOTNOTES

[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).

OC0095

AIRPORT ELEVATION 346

3 A(V) 336/ 431158.998N 0713012.116W 1950335 336/344 431203.198N 0713010.571W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	431201.60	0713009.20	1A	340		4	-4	-6	-310	130	140R	4
TREE	431147.03	0713014.44	1A	400		64	56	54	1215	1656	149R	13
TREE	431147.02	0713017.14	1A	403		67	59	57	1268	1708	45L	14

21 A(V) 346/346 431237.139N 0712958.087W 0150344

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	431201.60	0713009.20	1A	340		-6	-6	-6	-3689		140L	4
BUSH	431239.64	0712958.24	1A	349		3	3	3	242		77R	1
TREE	431253.16	0712948.86	1A	421		75	75	75	1744		238L	-2
TREE	431255.46	0712952.17	1A	430		84	84	84	1906		59R	-1

12 C 340/341 431228.130N 0713030.515W 2850306

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	431218.82	0712942.84	1A	349		9	8	3	-3655		7L	8
WINDSOCK	431222.37	0713012.14	1A	354		14	13	8	-1466		209R	13
OL ON FENCE	431229.40	0713036.82	1A	348		8	7	2	484		3L	-1
TREE	431231.25	0713036.19	1A	356		16	15	10	488		196L	8
TREE	431228.19	0713047.99	1A	406		66	65	60	1252		330R	35
TREE	431231.61	0713050.55	1A	403		63	62	57	1525		45R	24
TREE	431236.79	0713058.39	1A	419		79	78	73	2221		311L	20

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AIRPORT ELEVATION 346

30 SUPLC 341/341 431219.153N 0712944.897W 1050337

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WINDSOCK	431222.37	0713012.14	1A	354		13	13	8	-2033		209L	13
BUSH	431218.82	0712942.84	1A	349		8	8	3	156		7R	8
BUSH	431217.31	0712940.86	1A	352		11	11	6	337		102L	7
FENCE POST	431217.11	0712938.37	1A	354		13	13	8	521		75L	4
TREE	431220.51	0712935.43	1A	379		38	38	33	641		315R	25
TREE	431212.76	0712923.19	1A	417		76	76	71	1721		208L	31
TREE	431216.32	0712921.86	1A	414		73	73	68	1722		166R	28
TREE	431156.93	0712805.08	1B	509		168	168	163	7724		250L	-53
TREE	431205.35	0712753.06	1B	543		202	202	197	8362		805R	-38

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AIRPORT ELEVATION 346

17 SUPLC 341/ 431229.127N 0713029.316W 3350305 340/340 431223.394N 0713025.670W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	431138.99	0712950.87	1A	336		-5	-4	-10	-5804	-5164	441L	4
OL ON GLIDE SLOPE	431142.59	0713003.59	1A	367		26	27	21	-5076	-4436	260R	33
TREE	431152.35	0712959.73	1A	342		1	2	-4	-4300	-3660	417L	6
BUSH	431201.60	0713009.20	1A	340		-1	0	-6	-3155	-2515	175L	4
WINDSOCK	431217.55	0713015.28	1A	357		16	17	11	-1501	-861	448L	19
OL ON FENCE	431229.40	0713036.82	1A	348		7	8	2	259	900	492R	5
OL ON LOCALIZER	431231.89	0713031.08	1A	347		6	7	1	309	949	0R	3
TREE	431231.25	0713036.19	1A	356		15	16	10	410	1050	371R	9
TREE	431232.19	0713034.03	1A	365		24	25	19	428	1069	186R	17
TREE	431235.36	0713030.73	1A	388		47	48	42	616	1257	171L	35
ROD ON POLE	431236.41	0713028.52	1A	375		34	35	29	644	1284	365L	21
TREE	431233.99	0713036.82	1A	399		58	59	53	681	1321	296R	44
TREE	431235.40	0713034.30	1A	399		58	59	53	731	1372	67R	42
TREE	431235.99	0713037.39	1A	400		59	60	54	883	1523	249R	39
TREE	431240.80	0713037.85	1A	415		74	75	69	1338	1978	74R	41
TREE	431244.02	0713047.10	1A	403		62	63	57	1923	2563	558R	11
TREE	431248.44	0713038.49	1A	403		62	63	57	2059	2700	209L	7
TREE	431247.54	0713041.33	1A	416		75	76	70	2066	2706	21R	20
TREE	431245.35	0713048.86	1A	410		69	70	64	2100	2740	619R	13

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AIRPORT ELEVATION 346

35 PIR 332/336 431135.350N 0712955.125W 1550328

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WINDSOCK	431217.55	0713015.28	1A	357		25	21	11	-4504		448R	19
BUSH	431201.60	0713009.20	1A	340		8	4	-6	-2850		175R	4
TREE	431152.35	0712959.73	1A	342		10	6	-4	-1705		417R	6
OL ON GLIDE SLOPE	431142.59	0713003.59	1A	367		35	31	21	-929		260L	33
TREE	431138.99	0712950.87	1A	336		4	0	-10	-201		441R	4
BUSH	431128.79	0712958.59	1A	341		9	5	-5	494		513L	3
TREE	431132.61	0712945.59	1A	356		24	20	10	549		523R	17
TREE	431130.74	0712943.32	1A	378		46	42	32	792		596R	34
TREE	431129.17	0712942.41	1A	377		45	41	31	965		590R	30
TREE	431123.40	0712955.12	1A	365		33	29	19	1097		510L	15
TREE	431119.90	0712954.53	1A	384		52	48	38	1437		620L	27
TREE	431117.53	0712937.71	1A	374		42	38	28	2180		409R	2
TREE	431109.79	0712946.58	1A	388		56	52	42	2614		518L	8
TREE	431110.33	0712940.39	1A	376		44	40	30	2757		78L	-7
TREE	431029.36	0712857.62	1A	530		198	194	184	7854		1047R	45
TREE	431027.89	0712853.19	1A	552		220	216	206	8128		1282R	61
TREE	431028.56	0712850.00	1A	566		234	230	220	8166		1524R	75
TREE	431025.66	0712857.22	1A	502		170	166	156	8207		915R	10
TREE	431013.00	0712840.84	1A	532		200	196	186	9881		1476R	6

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AIRPORT ELEVATION 346

ARP 431212.473N 0713008.941W

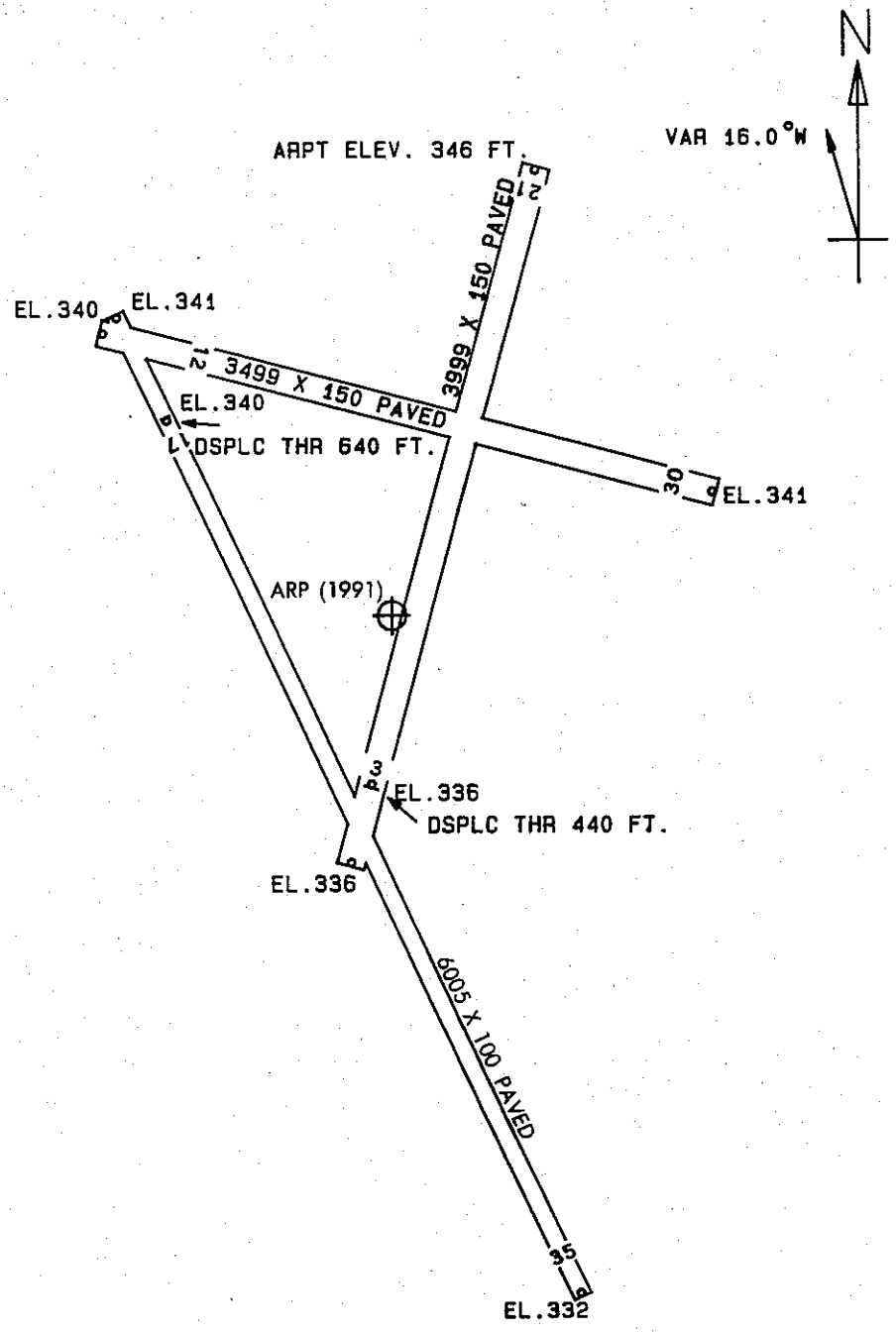
OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	431210.89	0713002.44	1A	381		35	124 27	508
TREE	431215.47	0713002.02	1A	366		20	75 23	595
OL ON ANEMOMETER	431219.61	0713012.71	1A	372		26	354 52	774
TREE	431218.39	0712957.98	1A	364		18	69 33	1009
TREE	431202.09	0713020.90	1A	379		33	236 7	1375
TREE	431216.65	0712950.13	1A	380		34	89 6	1456
TREE	431213.27	0712946.78	1A	408		62	103 11	1643
TREE	431200.16	0713024.00	1A	405		59	237 49	1672
OL ON AIRPORT BEACON	431217.07	0713033.48	1A	395		49	300 22	1876
TREE	431215.61	0712943.52	1A	363		17	96 25	1909
TREE	431154.45	0713018.14	1A	393		47	216 29	1947
TREE	431229.16	0712955.24	1A	393		47	47 0	1971
ANTENNA	431152.35	0713018.20	1A	390		44	214 36	2150
POLE	431214.82	0712939.73	1A	372		26	99 45	2176
DF ANTENNA	431223.42	0713038.63	1A	402		56	312 45	2463
TREE	431224.41	0712938.51	1A	408		62	77 47	2557
TREE	431149.10	0712954.70	1A	362		16	171 59	2591
TREE	431236.36	0712953.61	1A	384		38	41 8	2672
TREE	431211.11	0712932.81	1A	398		52	108 56	2679
TREE	431221.44	0712934.67	1A	383		37	86 19	2696
TREE	431237.89	0713021.48	1A	427		81	356 9	2736
TREE	431237.01	0713025.51	1A	416		70	349 43	2771
TREE	431223.67	0713043.74	1A	414		68	309 44	2815
BUSH	431238.78	0712955.19	1A	354		8	36 56	2851
TREE	431145.80	0713021.69	1A	417		71	215 16	2861
ANTENNA	431226.73	0713043.31	1A	385		39	315 33	2926
TREE	431209.64	0712928.58	1A	419		73	111 29	3003
TREE	431239.66	0712952.32	1A	388		42	40 5	3016
TREE	431224.57	0713046.26	1A	415		69	309 54	3023
TREE	431144.57	0712951.66	1A	370		24	171 37	3102
TREE	431209.78	0712924.03	1A	416		70	110 41	3338
TREE	431245.67	0712959.81	1A	405		59	27 23	3428
TREE	431138.29	0713008.12	1A	411		65	195 0	3461

OC0095 File Continued from Previous Page

AIRPORT ELEVATION 346

ARP 431212.473N 0713008.941W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	431219.82	0712922.06	1A	405		59	93 55	3551
ANTENNA	431236.39	0713047.20	1A	399		53	326 31	3727
TREE	431248.56	0712958.29	1A	405		59	28 11	3738
TREE	431132.78	0713001.82	1A	353		7	188 31	4053
TREE	431131.15	0713003.28	1A	386		40	190 16	4205
TREE	431133.47	0712944.73	1A	367		21	171 34	4338
TREE	431257.16	0712956.50	1A	425		79	27 31	4617
TREE	431245.08	0713052.96	1A	425		79	331 22	4640
TREE	431352.41	0713004.41	1B	503		157	17 54	10124
TREE	431129.32	0712804.24	1B	650		304	131 18	10218
TREE	431355.16	0713000.65	1B	507		161	19 23	10415
TREE	431350.74	0712915.10	1B	507		161	37 50	10718
TREE	431050.45	0712835.97	1B	604		258	156 19	10789
TREE	431216.88	0712741.06	1B	622		276	103 39	10962
TREE	431403.30	0713002.92	1B	518		172	18 17	11230
TREE	431405.30	0713030.28	1B	502		156	8 8	11532
TREE	431053.60	0712810.20	1B	708		362	148 13	11881
TREE	431403.23	0712914.07	2C	562		216	35 55	11928
TREE	431027.86	0712841.59	1B	607		261	164 34	12412
TREE	431412.55	0712928.78	2C	580		234	29 44	12516
TREE	431249.66	0712726.88	2C	654		308	88 34	12579
TREE	431152.99	0712713.29	2C	771		425	114 36	13159
ROD ON OL RADIO MAST	431018.44	0712835.32	1B	607		261	165 0	13469
TREE	431018.34	0712831.99	1B	618		272	164 8	13606
TREE	431031.36	0712801.08	2C	699		353	153 13	13948
TREE	431428.19	0712927.51	2C	662		316	28 35	14079
TREE	431040.69	0712743.82	2C	726		380	146 49	14210
TREE	431307.87	0712646.49	2C	885		539	85 28	16008



TOUCHDOWN ZONE RUNWAY	ELEVATION
3	344
21	346
12	341
30	341
17	340
35	336

CONCORD MUNICIPAL AIRPORT

CONCORD, NEW HAMPSHIRE

(NOT TO SCALE)