OBSTRUCTION DATA SHEET

ODS 651
WESTCHESTER COUNTY AIRPORT
WHITE PLAINS, NEW YORK

DIGITIZED FROM

OC 651
SURVEYED JUNE 1990
9TH 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).

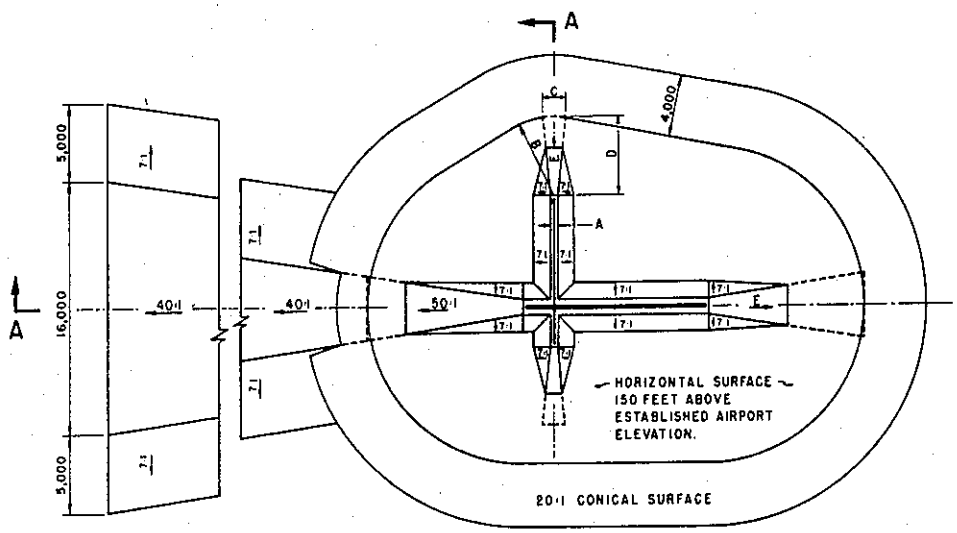
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

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)

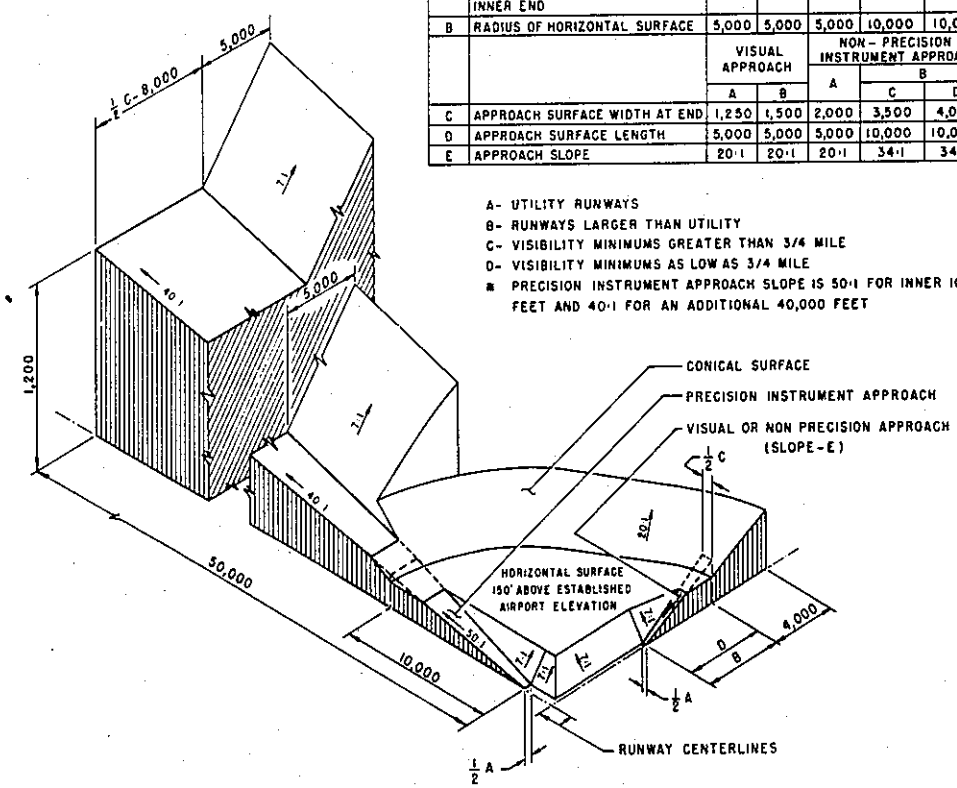
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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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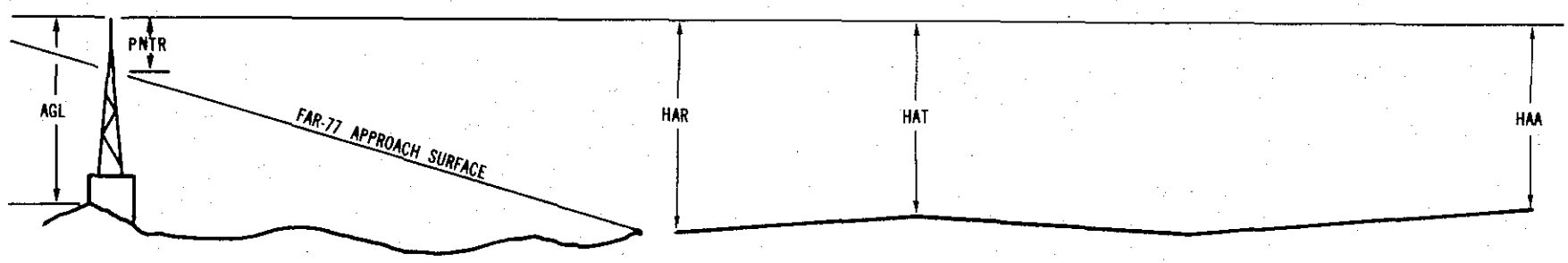

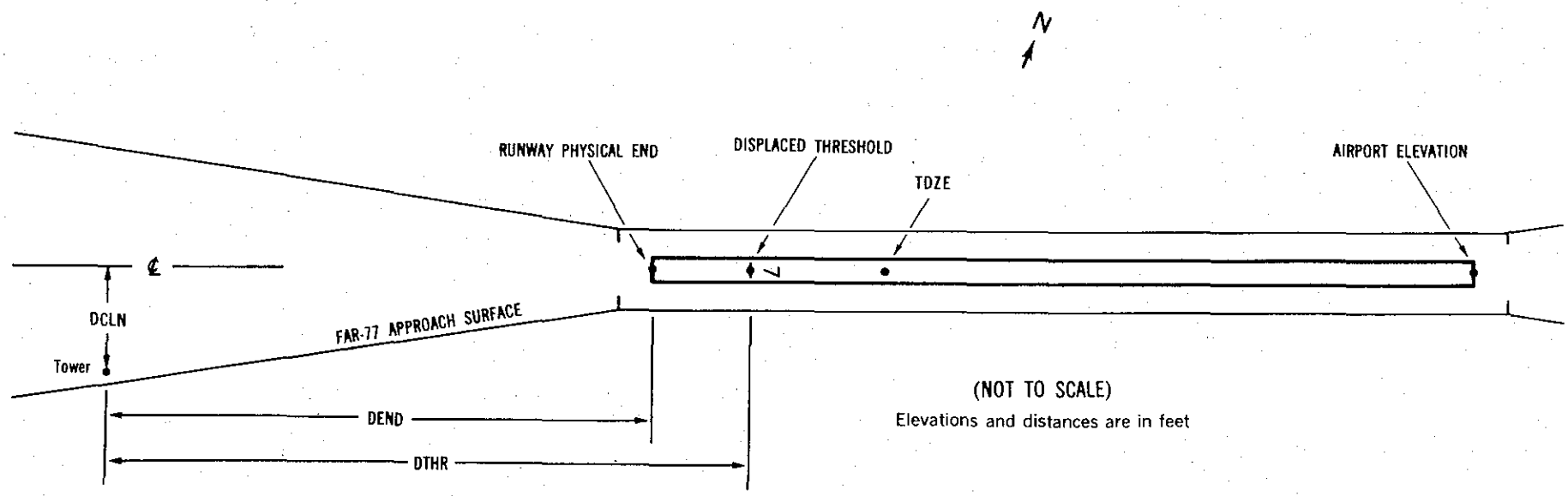

(NOT TO SCALE)

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).

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AIRPORT ELEVATION 439

11 SUPLC 398/399 410401.045N 0734258.275W 2822418

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	410352.67	0734158.47	1A	409		11	10	-30	-4656		157L	21
GROUND	410353.60	0734158.30	1A	391		-7	-8	-48	-4648		251L	3
BUSH	410350.87	0734159.19	1A	404		6	5	-35	-4642		33R	16
TREE	410349.18	0734201.54	1A	425		27	26	-14	-4502		239R	37
TREE	410354.21	0734233.64	1A	429		31	30	-10	-1992		270R	32
TREE	410354.86	0734237.48	1A	432		34	33	-7	-1691		269R	34
TREE	410402.47	0734252.18	1A	416		18	17	-23	-425		241L	18
TREE	410358.58	0734258.14	1A	420		22	21	-19	-64		241R	22
BUSH	410403.20	0734257.40	1A	431		33	32	-8	-19		227L	33
TREE	410359.27	0734259.49	1A	413		15	14	-26	52		195R	15
TREE	410359.39	0734301.49	1A	419		21	20	-20	204		217R	21
TREE	410402.89	0734301.11	1A	424		26	25	-15	253		136L	24
TREE	410359.70	0734303.77	1A	423		25	24	-16	382		223R	20
TREE	410401.28	0734305.32	1A	428		30	29	-11	532		93R	20
TREE	410403.80	0734304.74	1A	423		25	24	-16	543		166L	15
TREE	410401.66	0734307.24	1A	412		14	13	-27	684		87R	-1
TREE	410400.32	0734311.25	1A	436		38	37	-3	955		285R	16
TREE	410406.06	0734312.87	1A	438		40	39	-1	1201		255L	11
TREE	410405.72	0734316.26	1A	444		46	45	5	1447		166L	9
TREE	410400.42	0734318.66	1A	439		41	40	0	1511		397R	2
OL TANK	410423.12	0734426.43	1B	600		202	201	161	7075		733L	-1
TREE	410425.50	0734425.82	1B	594		196	195	155	7081		977L	-6

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AIRPORT ELEVATION 439

29 SUPLC 388/ 410351.594N 07342 1.529W 1022455 387/399 410354.327N 0734217.935W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	410359.39	0734301.49	1A	419		31	20	-20	-4655	-3368	217L	21
TREE	410359.27	0734259.49	1A	413		25	14	-26	-4503	-3216	195L	15
BUSH	410403.20	0734257.40	1A	431		43	32	-8	-4432	-3145	227R	33
TREE	410358.58	0734258.14	1A	420		32	21	-19	-4387	-3100	241L	22
TREE	410402.47	0734252.18	1A	416		28	17	-23	-4026	-2739	241R	18
TREE	410354.86	0734237.48	1A	432		44	33	-7	-2760	-1473	269L	34
TREE	410354.21	0734233.64	1A	429		41	30	-10	-2459	-1172	270L	32
TREE	410349.18	0734201.54	1A	425		37	26	-14	51	1338	239L	37
BUSH	410350.87	0734159.19	1A	404		16	5	-35	191	1478	33L	16
GROUND	410353.60	0734158.30	1A	391		3	-8	-48	198	1484	251R	3
TREE	410352.67	0734158.47	1A	409		21	10	-30	205	1492	157R	21
TREE	410353.67	0734157.43	1A	454		66	55	15	261	1548	273R	64
TREE	410352.62	0734156.45	1A	434		46	35	-5	358	1645	185R	41
TREE	410347.17	0734151.66	1A	447		59	48	8	835	2122	275L	40
TREE	410352.61	0734142.83	1A	510		122	111	71	1377	2664	408R	87
TREE	410349.57	0734143.27	1A	486		98	87	47	1410	2697	101R	62
TREE	410347.84	0734142.77	1A	471		83	72	32	1485	2772	62L	45

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AIRPORT ELEVATION 439

16 PIR 439/439 410431.630N 0734249.442W 3295336

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	410332.92	0734209.74	1A	384		-55	-55	-55	-6666		349R	4
GROUND	410340.69	0734203.38	1A	389		-50	-50	-50	-6230		466L	11
GROUND	410346.46	0734207.86	1A	385		-54	-54	-54	-5552		463L	8
OL ON GLIDE SLOPE	410343.78	0734217.33	1A	409		-30	-30	-30	-5423		301R	32
BUSH	410350.57	0734222.26	1A	402		-37	-37	-37	-4640		283R	17
BUSH	410352.58	0734226.69	1A	412		-27	-27	-27	-4293		475R	21
OL ON TRANSMISSOMETER	410407.82	0734237.38	1A	428		-11	-11	-11	-2548		409R	16
OL ON TRANSMISSOMETER	410409.80	0734239.21	1A	428		-11	-11	-11	-2305		431R	15
TREE	410414.66	0734243.13	1A	438		-1	-1	-1	-1728		443R	21
ANTENNA ON OL GLIDE SLOPE	410421.88	0734236.08	1A	467		28	28	28	-1367		391L	45
OL WINDSOCK ON HANGAR	410420.38	0734248.42	1A	461		22	22	22	-1024		504R	34
TREE	410424.15	0734247.95	1A	458		19	19	19	-713		281R	27
GROUND	410430.18	0734240.78	1A	435		-4	-4	-4	-460		500L	1
TREE	410428.29	0734252.66	1A	465		26	26	26	-169		383R	28
TREE	410430.55	0734254.80	1A	454		15	15	15	111		410R	15
TREE	410433.07	0734253.87	1A	446		7	7	7	296		220R	5
TREE	410437.18	0734245.62	1A	460		21	21	21	339		535L	18
OL ON LOCALIZER	410436.60	0734253.24	1A	439		0	0	0	581		1L	-8
OL ON DME	410438.12	0734250.41	1A	447		8	8	8	606		265L	-1
TREE	410435.71	0734257.56	1A	462		23	23	23	669		331R	14
TREE	410442.40	0734250.91	1A	464		25	25	25	999		450L	9
TREE	410437.44	0734302.65	1A	476		37	37	37	1016		580R	21
TREE	410451.91	0734255.03	1A	497		58	58	58	1990		659L	22
TREE	410451.91	0734256.78	1A	494		55	55	55	2058		543L	18
TREE	410514.95	0734322.29	1A	546		107	107	107	5055		23L	10
TREE	410514.31	0734330.47	1A	539		100	100	100	5313		551R	-2
TREE	410551.06	0734327.11	1A	586		147	147	147	8401		1538L	-17
TREE	410603.02	0734357.56	1A	616		177	177	177	10618		128L	-33

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AIRPORT ELEVATION 439

34 PIR 380/402 410335.658N 07342 6.568W 1495404

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	410430.55	0734254.80	1A	454		74	52	15	-6659		410L	15
TREE	410428.29	0734252.66	1A	465		85	63	26	-6379		383L	28
GROUND	410430.18	0734240.78	1A	435		55	33	-4	-6088		500R	1
TREE	410424.15	0734247.95	1A	458		78	56	19	-5835		281L	27
OL WINDSOCK ON HANGAR	410420.38	0734248.42	1A	461		81	59	22	-5524		504L	34
ANTENNA ON OL GLIDE SLOPE	410421.88	0734236.08	1A	467		87	65	28	-5181		391R	45
TREE	410414.66	0734243.13	1A	438		58	36	-1	-4820		443L	21
OL ON TRANSMISSOMETER	410409.80	0734239.21	1A	428		48	26	-11	-4243		431L	15
OL ON TRANSMISSOMETER	410407.82	0734237.38	1A	428		48	26	-11	-4000		409L	16
BUSH	410352.58	0734226.69	1A	412		32	10	-27	-2255		475L	21
BUSH	410350.57	0734222.26	1A	402		22	0	-37	-1908		283L	17
OL ON GLIDE SLOPE	410343.78	0734217.33	1A	409		29	7	-30	-1125		301L	32
GROUND	410346.46	0734207.86	1A	385		5	-17	-54	-996		462R	8
GROUND	410340.69	0734203.38	1A	389		9	-13	-50	-318		466R	11
BUSH	410332.92	0734209.74	1A	384		4	-18	-55	118		349L	4
GROUND	410335.86	0734158.98	1A	384		4	-18	-55	274		514R	3
PIPE	410332.77	0734200.50	1A	394		14	-8	-45	486		256R	8
TREE	410333.90	0734157.31	1A	408		28	6	-31	510		524R	22
OL ON LOCALIZER	410327.12	0734200.05	1A	381		1	-21	-58	999		1L	-15
TREE	410328.65	0734154.86	1A	427		47	25	-12	1063		420R	30
TREE	410323.35	0734206.79	1A	433		53	31	-6	1070		639L	36
TREE	410327.28	0734157.43	1A	428		48	26	-11	1085		180R	30
TREE	410325.63	0734200.28	1A	423		43	21	-16	1119		92L	25
TREE	410322.30	0734203.37	1A	438		58	36	-1	1293		466L	36
TREE	410321.20	0734200.80	1A	420		40	18	-19	1488		352L	14
TREE	410313.88	0734201.31	1A	418		38	16	-21	2109		757L	-1
TREE	410313.33	0734137.36	1A	493		113	91	54	3077		803R	55
OL POLE	410309.05	0734137.17	1A	510		130	108	71	3459		598R	65

OC0651

AIRPORT ELEVATION 439

ARP 410400.681N 0734228.771W

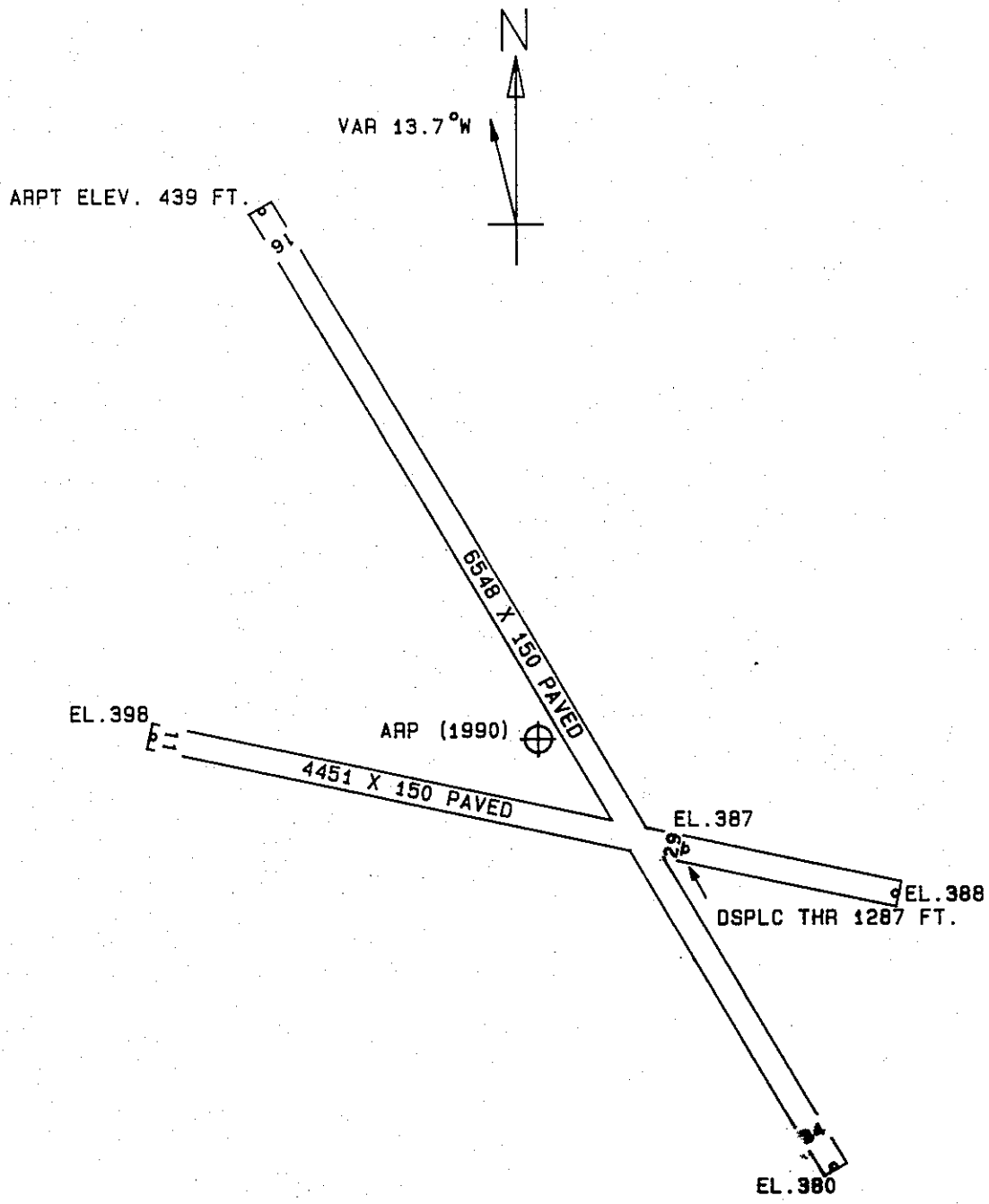
OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
LIGHTED WINDSOCK	410402.09	0734240.79	1A	423		-16	292 32	932
AIRPORT BEACON	410401.58	0734214.90	1A	454		15	98 50	1067
OL ON HANGAR	410417.47	0734226.32	1A	477		38	20 1	1709
ANTENNA ON OL CONTROL TWR	410346.05	0734240.93	1A	521		82	225 52	1749
TREE	410413.45	0734244.31	1A	456		17	331 4	1757
BUSH	410349.64	0734207.41	1A	395		-44	138 2	1982
TREE	410406.37	0734254.19	1A	480		41	300 11	2030
TREE	410339.66	0734229.80	1A	505		66	195 50	2129
TREE	410404.20	0734256.62	1A	458		19	293 11	2163
TREE	410339.60	0734221.04	1A	467		28	178 11	2214
BUSH	410349.07	0734203.66	1A	411		-28	135 7	2254
TREE	410356.77	0734159.36	1A	480		41	113 39	2288
TREE	410345.89	0734204.94	1A	418		-21	143 3	2360
TREE	410406.64	0734300.66	1A	457		18	297 34	2516
TREE	410357.05	0734301.62	1A	471		32	275 24	2543
TREE	410420.50	0734251.08	1A	492		53	333 17	2635
TREE	410358.01	0734303.62	1A	453		14	277 55	2683
TREE	410354.03	0734302.72	1A	493		54	269 12	2686
TREE	410336.06	0734215.53	1A	433		-6	171 33	2691
TREE	410342.96	0734202.31	1A	427		-12	145 12	2706
TREE	410333.53	0734212.97	1A	421		-18	169 55	3003
TREE	410344.10	0734155.03	1A	464		25	136 41	3081
TREE	410338.45	0734200.17	1A	413		-26	149 28	3140
TREE	410339.32	0734158.84	1A	446		7	147 1	3151
TREE	410332.06	0734212.06	1A	418		-21	169 52	3167
TREE	410422.79	0734258.52	1A	537		98	328 11	3193
TREE	410345.23	0734151.59	1A	459		20	132 28	3249
TREE	410400.14	0734146.31	1A	564		125	104 40	3253
TREE	410357.95	0734145.55	1A	549		110	108 28	3322
ANTENNA ON HANGAR	410432.99	0734237.42	1A	515		76	2 15	3336
TREE	410423.90	0734300.48	1A	540		101	327 45	3380
TREE	410327.89	0734209.38	1A	414		-25	169 35	3636
TREE	410327.26	0734210.33	1A	441		2	171 2	3666

OC0651 File Continued from Previous Page

AIRPORT ELEVATION 439

ARP 410400.681N 0734228.771W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	410359.37	0734317.19	1A	444		5	281 39	3711
TREE	410440.14	0734242.19	1A	505		66	359 16	4124
TREE	410454.38	0734414.96	1B	659		220	317 28	9782
TREE	410511.72	0734408.24	1B	624		185	327 3	10475
CHURCH STEEPLE	410544.47	0734123.85	1B	599		160	39 1	11622
TREE	410441.01	0734459.57	1B	595		156	303 11	12251
TREE	410443.29	0734501.72	2C	606		167	303 55	12484
TREE	410457.16	0734503.16	2C	595		156	309 31	13134
TREE	410545.76	0734423.87	2C	620		181	334 3	13813



TOUCHDOWN ZONE RUNWAY	ELEVATION
11	399
29	399
16	439
34	402

WESTCHESTER COUNTY AIRPORT

WHITE PLAINS, NEW YORK

(NOT TO SCALE)