OBSTRUCTION DATA SHEET

ODS 382
SCHENECTADY COUNTY AIRPORT
SCHENECTADY, NEW YORK

DIGITIZED FROM

OC 382
SURVEYED AUGUST 1990
4TH EDITION

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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).

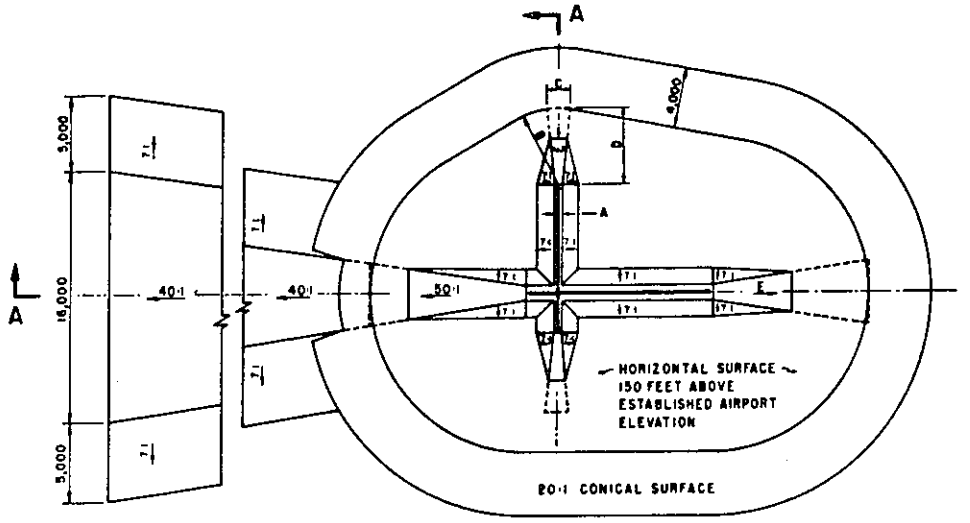
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

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)

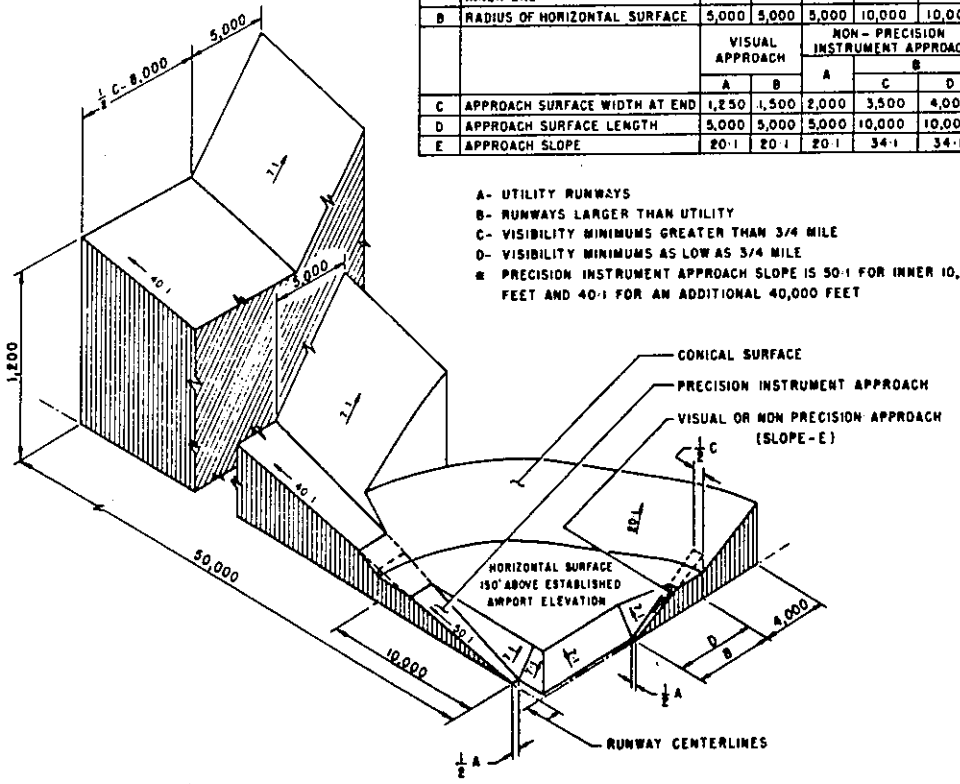
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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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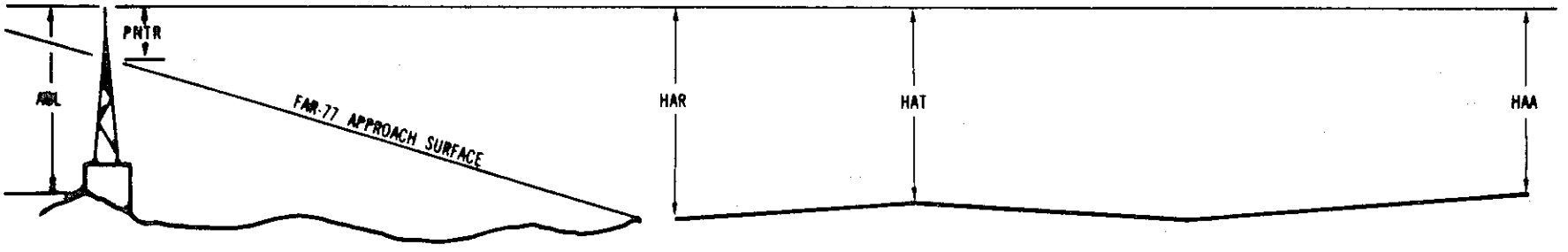
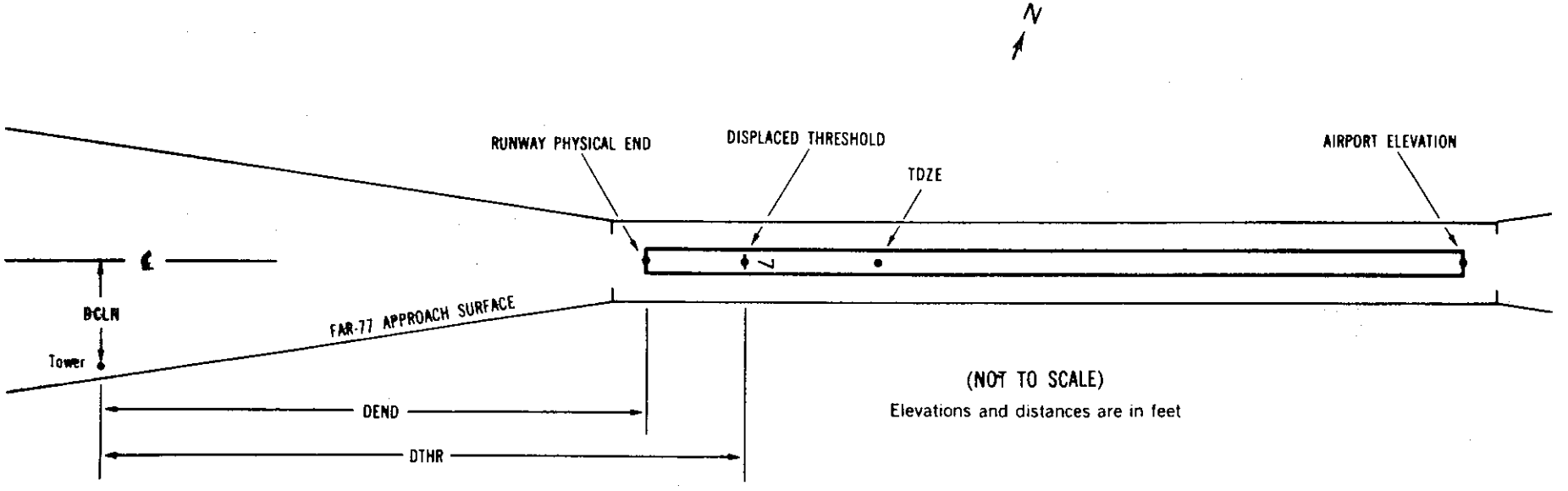




(NOT TO SCALE)

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).

OC0382

AIRPORT ELEVATION 378

4 PIR 318/338 425048.558N 07356 3.221W 2055904

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	425151.02	0735516.26	1A	400		82	62	22	-7217		373R	22
TREE	425153.46	0735527.25	1A	459		141	121	81	-7081		471L	81
TREE	425151.87	0735528.18	1A	462		144	124	84	-6905		462L	85
TREE	425143.85	0735521.04	1A	404		86	66	26	-6409		372R	33
TREE	425146.32	0735531.38	1A	452		134	114	74	-6295		430L	83
TREE	425143.88	0735532.93	1A	446		128	108	68	-6023		426L	79
GROUND	425135.40	0735526.19	1A	382		64	44	4	-5471		402R	20
TREE	425138.71	0735536.89	1A	432		114	94	54	-5424		462L	71
TREE	425127.42	0735531.71	1A	386		68	48	8	-4565		386R	33
OL ON GLIDE SLOPE	425057.27	0735553.42	1A	348		30	10	-30	-1113		270R	23
TREE	425036.50	0735603.63	1A	356		38	18	-22	1111		507R	20
TREE	425037.03	0735606.49	1A	349		31	11	-29	1156		292R	12
TREE	425030.76	0735614.23	1A	366		48	28	-12	1979		52R	12

0C0382

AIRPORT ELEVATION 378

22 C 378/378 425150.707N 0735522.044W 0255932

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GLIDE SLOPE	425057.27	0735553.42	1A	348		-30	-30	-30	-5886		270L	23
TREE	425127.42	0735531.71	1A	386		8	8	8	-2435		386L	33
TREE	425138.71	0735536.89	1A	432		54	54	54	-1576		462R	71
GROUND	425135.40	0735526.19	1A	382		4	4	4	-1529		402L	20
TREE	425143.88	0735532.93	1A	446		68	68	68	-977		426R	79
TREE	425146.32	0735531.38	1A	452		74	74	74	-704		430R	83
TREE	425143.85	0735521.04	1A	404		26	26	26	-591		372L	33
TREE	425151.87	0735528.18	1A	462		84	84	84	-95		462R	85
TREE	425153.46	0735527.25	1A	459		81	81	81	81		471R	81
TREE	425151.02	0735516.26	1A	400		22	22	22	217		373L	22
TREE	425154.56	0735525.96	1A	458		80	80	80	223		433R	79
TREE	425152.35	0735515.38	1A	417		39	39	39	367		373L	34
TREE	425153.94	0735513.67	1A	430		52	52	52	568		417L	41
TREE	425158.68	0735524.40	1A	449		71	71	71	648		512R	58
TREE	425155.32	0735510.73	1A	434		56	56	56	789		553L	39
OL ON LOCALIZER	425159.34	0735516.32	1A	380		2	2	2	972		0L	-21
TREE	425157.98	0735510.02	1A	406		28	28	28	1054		482L	3
TREE	425204.34	0735516.07	1A	413		35	35	35	1435		205R	-1

OC0382

AIRPORT ELEVATION 378

10 C 325/ 425054.031N 0735628.240W 2675351 325/325 425054.100N 0735625.690W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GLIDE SLOPE	425057.27	0735553.42	1A	348		23	23	-30	-2605	-2414	233L	25
OL POLE	425056.73	0735634.89	1A	354		29	29	-24	485	675	292L	21
OL ON POLE	425052.82	0735635.05	1A	344		19	19	-34	511	702	103R	10
TREE	425052.09	0735635.19	1A	372		47	47	-6	525	715	178R	37
TREE	425055.09	0735638.92	1A	381		56	56	3	791	981	137L	39
TREE	425057.18	0735640.40	1A	393		68	68	15	894	1084	352L	48
TREE	425053.94	0735641.18	1A	386		61	61	8	964	1154	26L	39
TREE	425051.45	0735641.79	1A	393		68	68	15	1018	1208	224R	44
TREE	425050.02	0735646.57	1A	382		57	57	4	1380	1570	356R	22
TREE	425056.26	0735655.40	1A	386		61	61	8	2014	2204	300L	8

28 C 320/323 425055.780N 0735523.311W 0875435

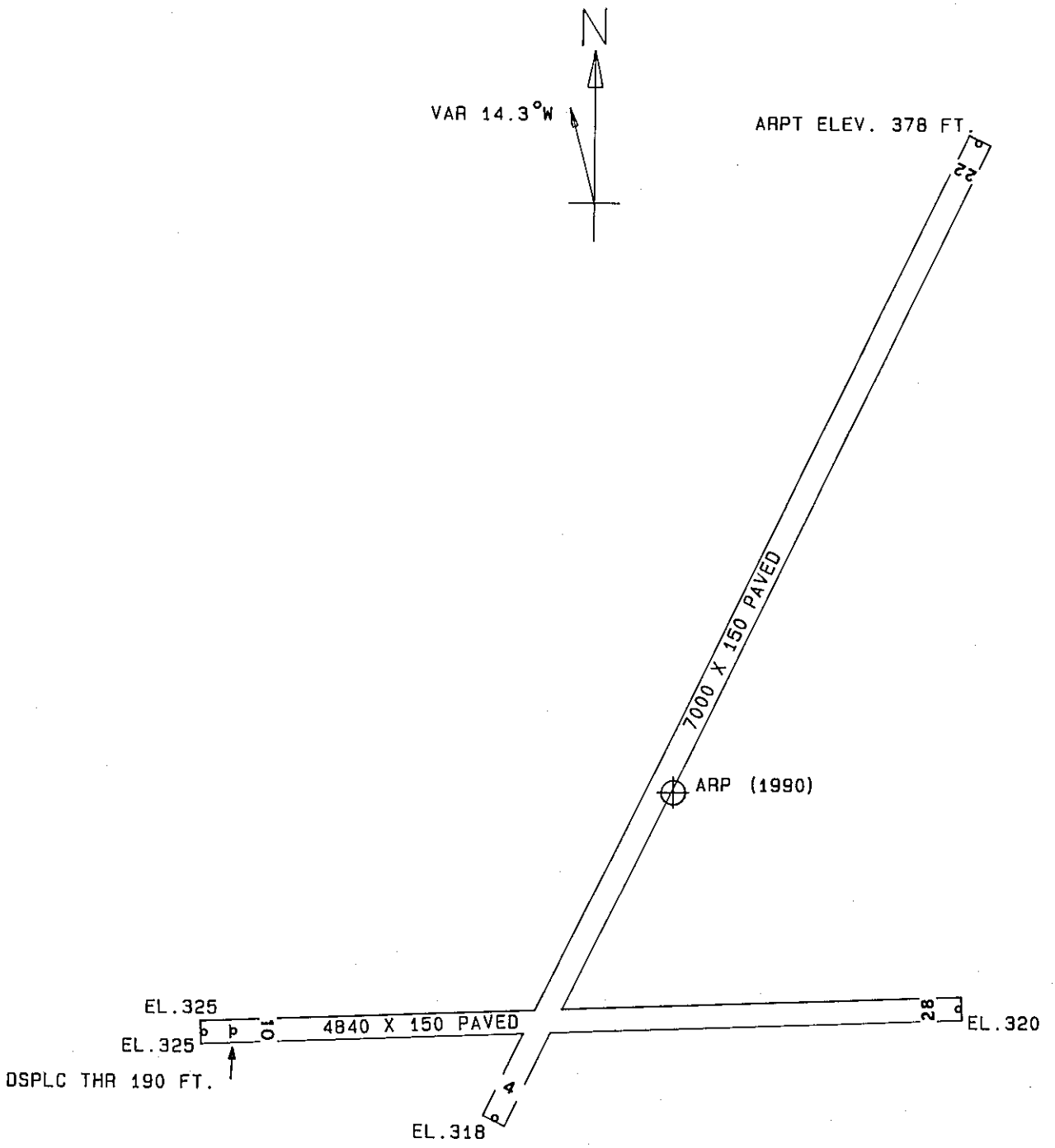
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GLIDE SLOPE	425057.27	0735553.42	1A	348		28	25	-30	-2236		233R	25
TREE	425058.57	0735520.11	1A	332		12	9	-46	249		274R	11
TREE	425058.38	0735517.63	1A	342		22	19	-36	433		247R	15
TREE	425054.41	0735515.74	1A	338		18	15	-40	559		159L	7
TREE	425055.61	0735513.90	1A	345		25	22	-33	700		43L	10

OC0382

AIRPORT ELEVATION 378

ARP 425109.525N 0735548.007W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
OL ON WINDSOCK	425101.83	0735543.74	1A	355		-23	172 5	841
ANTENNA ON OL ATCT	425111.53	0735603.28	1A	389		11	294 26	1156
OL RADIO BEACON	425109.27	0735606.68	1A	359		-19	283 14	1391
TREE	425100.06	0735522.47	1A	352		-26	131 2	2130
TREE	425049.46	0735535.40	1A	374		-4	169 29	2238
TREE	425050.86	0735615.99	1A	381		3	242 7	2813
TREE	425041.34	0735558.41	1A	341		-37	209 30	2957
TREE	425050.84	0735619.57	1A	385		7	245 29	3018
TREE	425047.83	0735616.46	1A	403		25	238 17	3052
POLE	425057.37	0735628.19	1A	355		-23	261 57	3236
TREE	425044.91	0735620.69	1A	413		35	238 38	3484
TREE	425049.48	0735628.07	1A	410		32	250 5	3609
TREE	425139.56	0735521.53	1A	406		28	47 16	3624
TREE	425034.83	0735602.17	1A	366		-12	211 1	3667
TREE	425039.23	0735623.02	1A	403		25	234 41	4027
TREE	425148.81	0735531.93	1A	464		86	31 4	4153
TREE	425049.47	0735640.59	1A	380		2	256 54	4412
TREE	425059.37	0735648.45	1A	415		37	271 27	4618
TREE	425146.86	0735511.15	1A	435		57	50 17	4672
TREE	425148.55	0735510.14	1A	452		74	49 49	4854
TREE	425154.78	0735509.55	1A	432		54	46 19	5403
OL ON WATER TANK	425003.78	0735427.44	1B	569		191	152 15	8963
OL ON WATER TANK	425002.87	0735427.95	1B	569		191	152 49	9006
TREE	425152.84	0735746.52	1B	530		152	310 44	9857
TREE	425156.12	0735812.26	1B	542		164	308 1	11734
TREE	425220.45	0735757.94	2C	566		188	320 53	12050
WATER TANK	425224.37	0735756.77	2C	573		195	322 38	12222
TOWER	425224.14	0735758.20	2C	623		245	322 14	12292
TRANSMISSION TOWER	425245.61	0735818.61	2C	664		286	325 15	14847



TOUCHDOWN ZONE RUNWAY	ELEVATION
4	338
22	378
10	325
28	23

SCHENECTADY COUNTY AIRPORT

SCHENECTADY, NEW YORK

(NOT TO SCALE)