

# OBSTRUCTION DATA SHEET

ODS 996  
SUFFOLK COUNTY AIRPORT  
WESTHAMPTON BEACH, NEW YORK

DIGITIZED FROM

OC 996  
SURVEYED JULY 1988  
2ND 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:

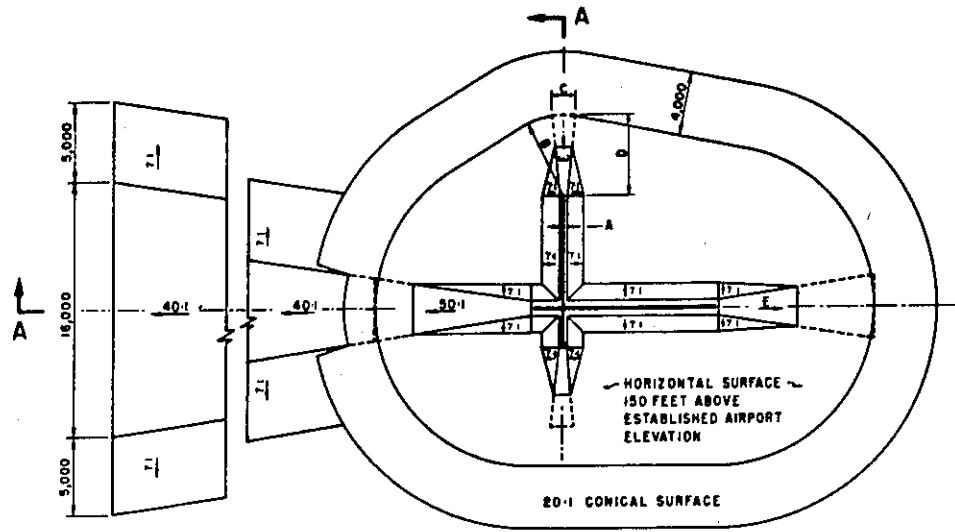
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the 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)

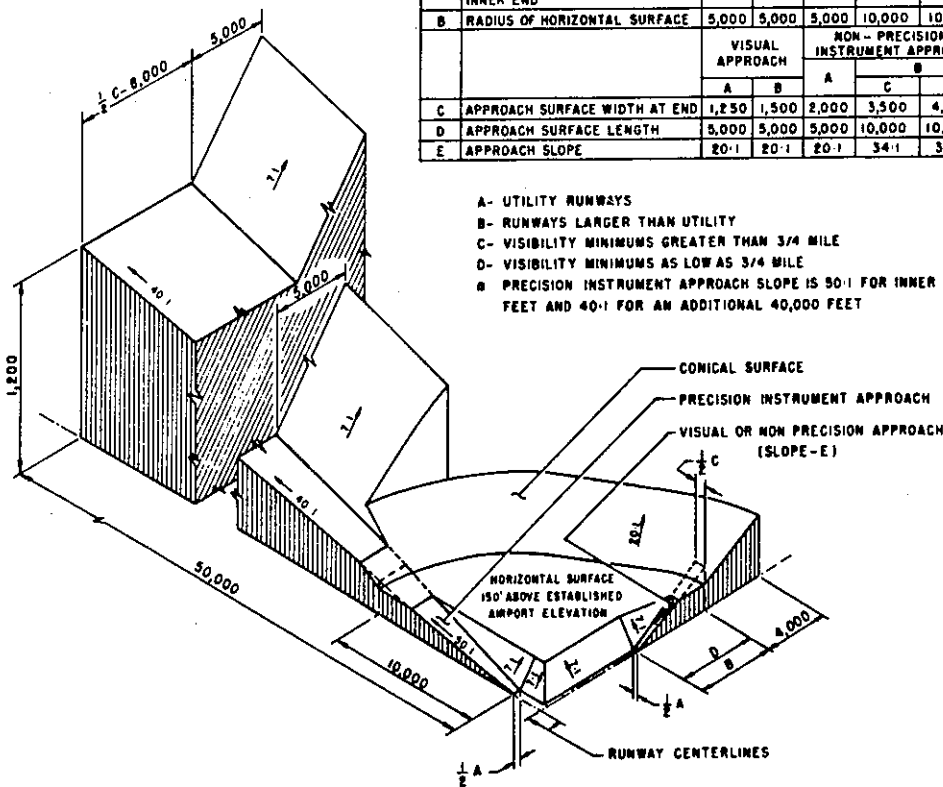
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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	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
C	APPROACH SURFACE WIDTH AT END	VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH		PRECISION INSTRUMENT APPROACH	
		A	B	A	C	D	
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
- E- 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

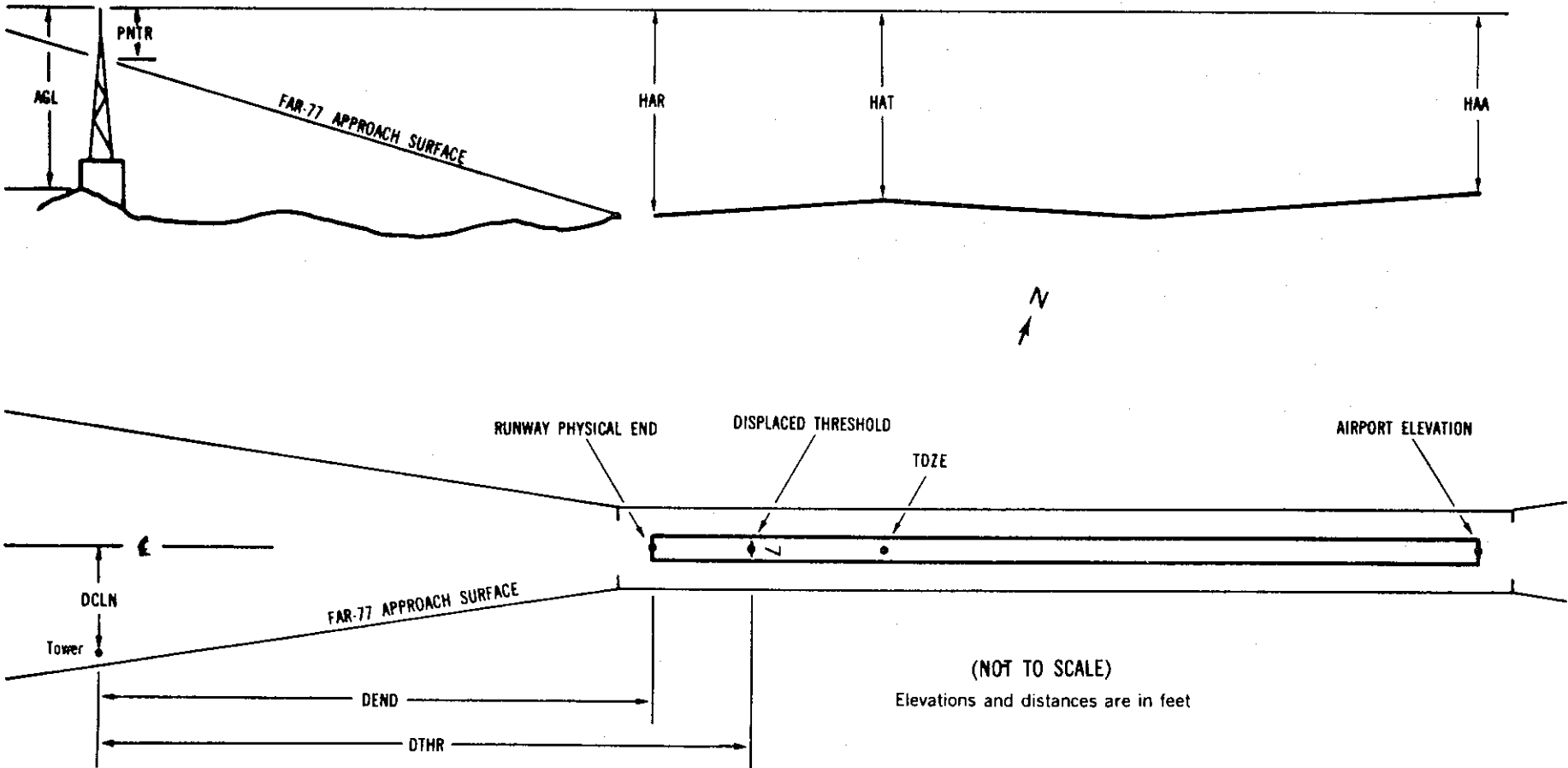
# ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

x <sup>1</sup>	x <sup>2</sup>	XXXX/XXXX <sup>3</sup>	XXXXXX.XXX <sup>4</sup>	XXXXXX.XXX <sup>4</sup>	XXXXXX <sup>5</sup>	XXXX/XXXX <sup>6</sup>	XXXXXX.XXX <sup>7</sup>	XXXXXX.XXX <sup>7</sup>				
OBJECT	LAT	LONG	A <sup>8</sup>	ELEV <sup>9</sup>	AGL <sup>10</sup>	HAR <sup>11</sup>	HAT <sup>11</sup>	HAA <sup>11</sup>	DEND <sup>12</sup>	DTHR <sup>12</sup>	DCLN <sup>12</sup>	PNTR <sup>13</sup>
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.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  $\pm 10$  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).

OC0996

AIRPORT ELEVATION 67

20 SUPLC 65/65 405054.688N 0723817.605W 3572930

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	405053.91	0723820.90	1A	66		1	1	-1	-68		257R	1
TREE	405104.59	0723818.81	1A	85		20	20	18	1005		49R	-4
TREE	405105.34	0723821.52	1A	90		25	25	23	1090		254R	-1

2 SUPLC 48/58 405005.336N 0723814.759W 1772932

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	405053.91	0723820.90	1A	66		18	8	-1	-4932		257L	1
POLE	404952.65	0723816.92	1A	65		17	7	-2	1275		222L	-15
ANTENNA	404951.25	0723811.09	1A	88		40	30	21	1437		219R	4

OC0996

AIRPORT ELEVATION 67

6 D 49/57 405010.106N 0723822.097W 2223002

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL GLIDE SLOPE	405102.03	0723710.61	1A	86		37	29	19	-7586		500R	31
BUSH	405056.84	0723719.82	1A	56		7	-1	-11	-6721		333R	3
BUSH	405057.72	0723730.68	1A	61		12	4	-6	-6223		343L	6
BUSH	405049.99	0723726.08	1A	62		13	5	-5	-5885		447R	6
TREE	405055.80	0723735.92	1A	67		18	10	0	-5807		508L	11
TREE	405044.33	0723733.34	1A	69		20	12	2	-5085		423R	11
OL ON WEATHER INSTRUMENT	405035.44	0723742.58	1A	69		20	12	2	-3942		507R	10
BUSH	405039.08	0723755.97	1A	67		18	10	0	-3518		500L	9
TREE	405031.80	0723749.65	1A	74		25	17	7	-3303		355R	16
TREE	405021.01	0723802.25	1A	65		16	8	-2	-1845		379R	11
TREE	405016.52	0723807.58	1A	66		17	9	-1	-1232		384R	14
BUSH	405012.07	0723825.02	1A	51		2	-6	-16	5		300L	2
BUSH	405008.25	0723821.71	1A	54		5	-3	-13	119		149R	5
TREE	405005.88	0723819.39	1A	61		12	4	-6	175		442R	12
TREE	405010.40	0723831.05	1A	61		12	4	-6	443		527L	5
TREE	404957.77	0723828.95	1A	70		21	13	3	1277		455R	-11
OL LOCALIZER	404959.19	0723835.27	1A	54		5	-3	-13	1498		0L	-33
ANTENNA ON BUILDING	404949.20	0723837.46	1A	115		66	58	48	2358		559R	3
TREE	404957.91	0723851.10	1A	96		47	39	29	2416		810L	-18
ANTENNA ON BUILDING	404947.81	0723847.22	1A	110		61	53	43	2969		101R	-20

OC0996

AIRPORT ELEVATION 67

24 PIR 67/67 405115.661N 07237 2.977W 0423053

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	405005.88	0723819.39	1A	61		-6	-6	-6	-9175		442L	12
BUSH	405008.25	0723821.71	1A	54		-13	-13	-13	-9118		149L	5
BUSH	405012.07	0723825.02	1A	51		-16	-16	-16	-9005		300R	2
TREE	405016.52	0723807.58	1A	66		-1	-1	-1	-7767		384L	14
TREE	405021.01	0723802.25	1A	65		-2	-2	-2	-7155		379L	11
TREE	405031.80	0723749.65	1A	74		7	7	7	-5696		355L	16
BUSH	405039.08	0723755.97	1A	67		0	0	0	-5481		500R	9
OL ON WEATHER INSTRUMENT	405035.44	0723742.58	1A	69		2	2	2	-5057		507L	10
TREE	405044.33	0723733.34	1A	69		2	2	2	-3914		423L	11
TREE	405055.80	0723735.92	1A	67		0	0	0	-3192		508R	11
BUSH	405049.99	0723726.08	1A	62		-5	-5	-5	-3115		447L	6
BUSH	405057.72	0723730.68	1A	61		-6	-6	-6	-2777		343R	6
BUSH	405056.84	0723719.82	1A	56		-11	-11	-11	-2279		333L	3
OL GLIDE SLOPE	405102.03	0723710.61	1A	86		19	19	19	-1413		500L	31
TREE	405119.66	0723648.72	1A	100		33	33	33	1039		534L	16
TREE	405129.29	0723654.20	1A	96		29	29	29	1473		435R	4
TREE	405123.88	0723645.51	1A	108		41	41	41	1520		427L	15
TREE	405133.28	0723644.35	1A	112		45	45	45	2281		150R	3
TREE	405131.65	0723640.04	1A	124		57	57	57	2384		206L	13
TREE	405130.49	0723637.30	1A	124		57	57	57	2440		440L	12
TREE	405135.21	0723642.95	1A	115		48	48	48	2499		203R	2
TREE	405144.55	0723621.49	1A	145		78	78	78	4309		374L	-4
TREE	405159.75	0723616.40	1A	181		114	114	114	5708		377R	4
TREE	405156.94	0723605.68	1A	182		115	115	115	6055		421L	-2
TREE	405207.68	0723608.65	1A	195		128	128	128	6701		481R	-2
GROUND	405205.98	0723606.00	1A	181		114	114	114	6713		215R	-16
TREE	405210.02	0723606.83	1A	199		132	132	132	6970		539R	-3
TREE	405221.10	0723530.64	1A	270		203	203	203	9677		753L	13



OC0996

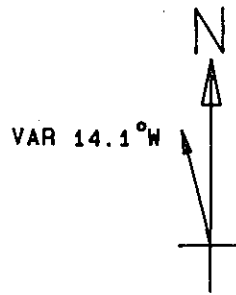
AIRPORT ELEVATION 67

15 SUPLC 63/63 405049.446N 0723824.370W 3122957

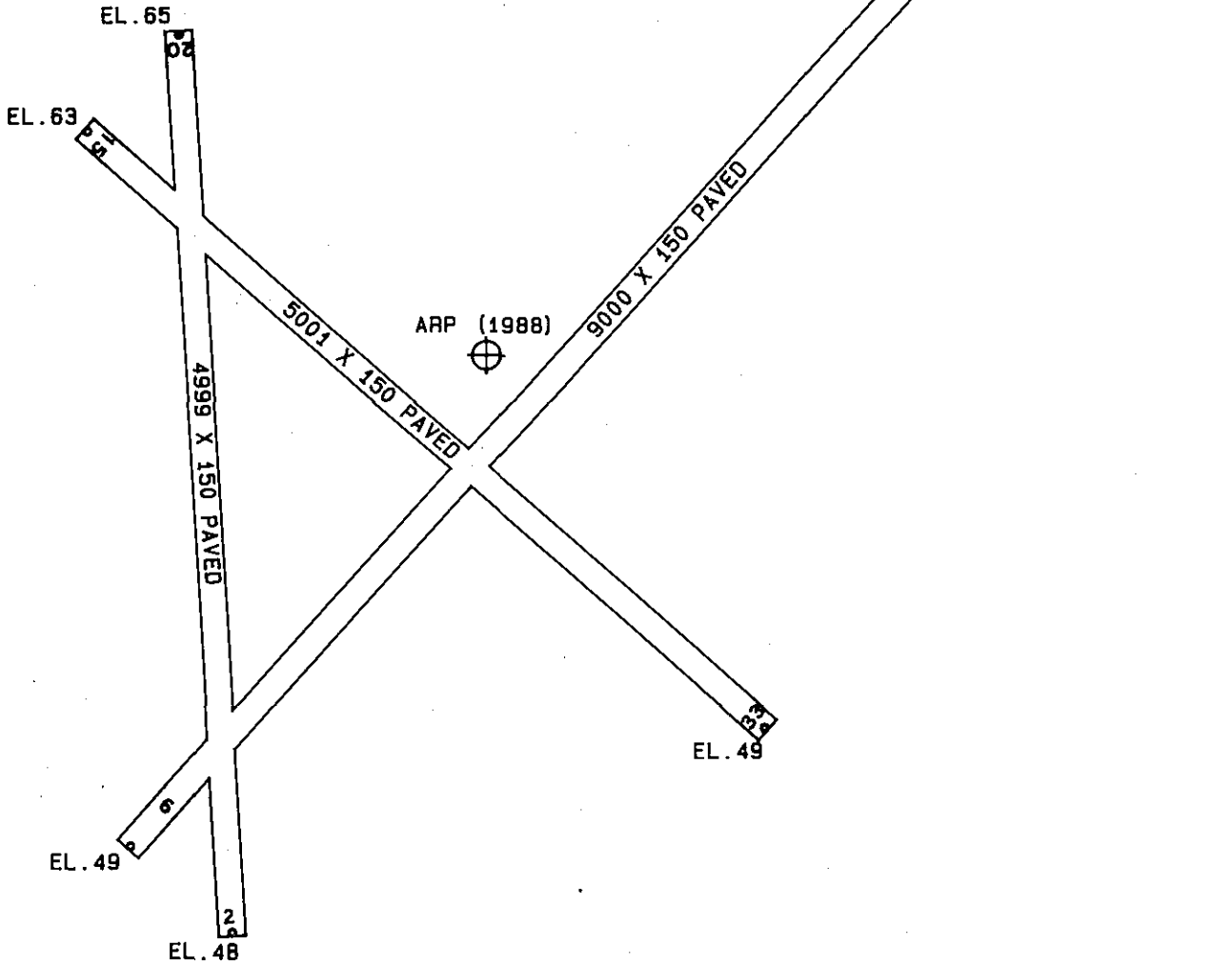
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	405052.59	0723824.09	1A	66		3	3	-1	199		249L	3
TREE	405058.32	0723831.55	1A	90		27	27	23	1014		289L	3
TREE	405058.38	0723834.07	1A	85		22	22	18	1160		163L	-6

33 SUPLC 49/58 405016.059N 0723736.401W 1323029

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	405052.59	0723824.09	1A	66		17	8	-1	-5200		249R	3
TREE	405006.87	0723729.47	1A	69		20	11	2	1021		325L	-4



ARPT ELEV. 67 FT.



TOUCHDOWN ZONE RUNWAY ELEVATION	
20	65
2	58
6	57
24	67
15	63
33	58

SUFFOLK COUNTY AIRPORT  
 WESTHAMPTON BEACH, NEW YORK  
 (NOT TO SCALE)