OBSTRUCTION DATA SHEET

ODS 948
LONG ISLAND MAC ARTHUR AIRPORT
ISLIP, NEW YORK

DIGITIZED FROM

OC 948
SURVEYED SEPTEMBER 1993
9TH EDITION

HORIZONTAL DATUM NAD 83
VERTICAL DATUM NGVD 29

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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 No. 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 the 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 an FAR-77 approach or primary and listed with the associated runway (reference runway).

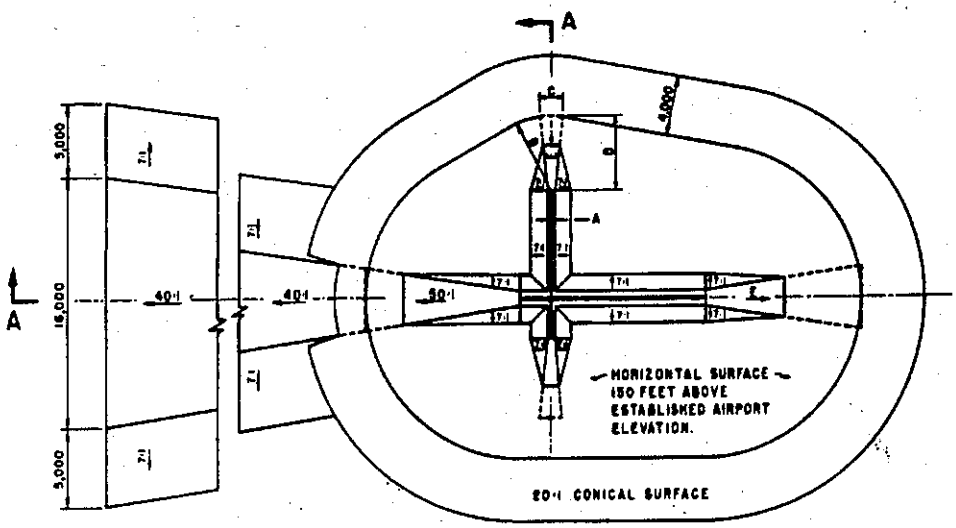
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

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:

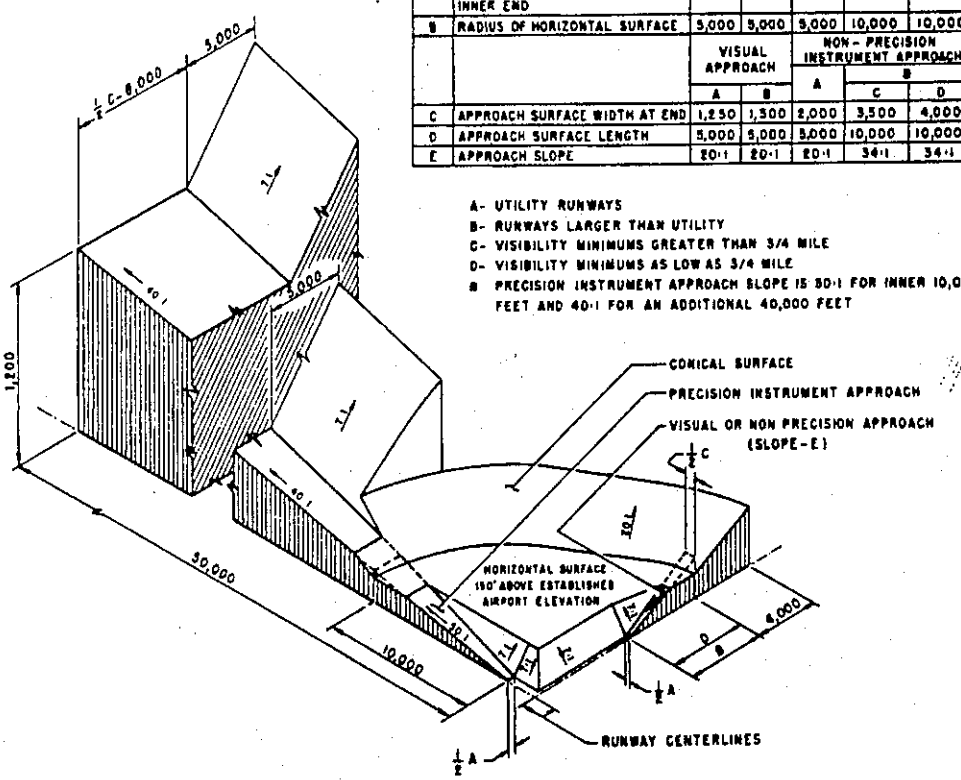
A(V) ..... Utility runway - visual approach only
A(NP) .... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C ..... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D ..... Nonutility runway- nonprecision 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.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B C	B 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	B 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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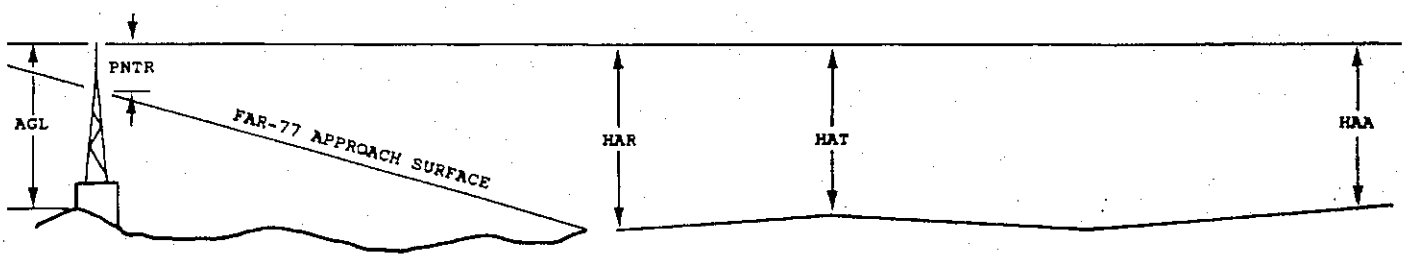
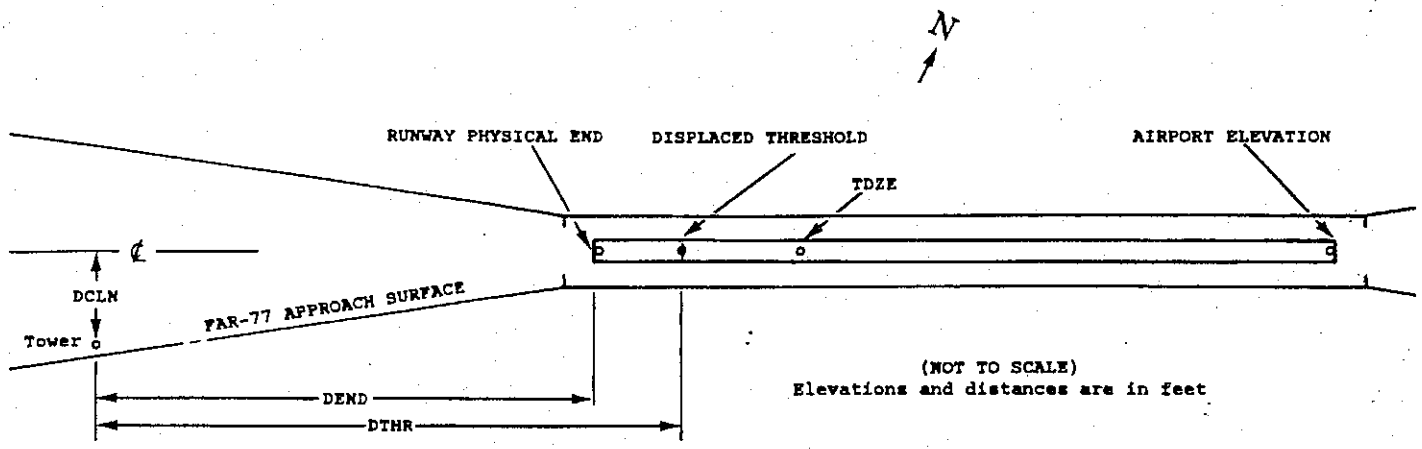




(NOT TO SCALE)
Elevations and distances are in feet

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 areas 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 Elevation at approach end of reference runway/touchdown zone elevation

4 Latitude and longitude at approach end of reference runway

5 Geodetic azimuth of reference runway reckoned from north

6 Elevation at reference runway displaced threshold/touchdown zone elevation

7 Latitude and longitude at reference runway displaced threshold

8 Accuracy codes:

Horizontal (Ft.)	Vertical (Ft.)
1 = 20	A = 2
2 = 40	B = 5
	C = 20

9 Elevation above mean sea level (MSL) 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). AGL's are provided only for manmade objects <u>appearing on the OC</u> and equal to or greater than 200 feet AGL. AGL accuracy is 10 feet.

11 HAA - Height above airport
HAR - Height above approach end of reference runway
HAT - Height above reference runway touchdown zone elevation

12 DEND - Distance along reference runway centerline from point nearest to object (perpendicular) to approach end of runway
DTHR - Distance along reference runway centerline from point nearest to object (perpendicular) to displaced 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 that object is in primary on roll-out side of zero distance point.

13 PNTR - Penetration of indicated FAR-77 approach or primary surface (See footnote 2).

OC0948

AIRPORT ELEVATION 99

10 SUPLC 90/ 90 404733.089 -730628.822 895906.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
LT POLE	404735.51	-730641.69	1A	118		28	28	19	990		246L	4
TREE	404730.34	-730644.55	1A	121		31	31	22	1209		278R	1
POLE	404732.22	-730645.10	1A	125		35	35	26	1252		87R	4
TREE	404734.14	-730649.61	1A	150		60	60	51	1599		107L	19

28 SUPLC 83/ 85 404733.097 -730523.342 2695949.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	404733.39	-730520.09	1A	85		2	0	-14	250		30R	0
TREE	404730.61	-730513.98	1A	119		36	34	20	720		252L	20
TREE	404730.54	-730507.28	1A	127		44	42	28	1236		259L	13
TREE	404735.03	-730506.73	1A	128		45	43	29	1278		196R	13

OC0948

AIRPORT ELEVATION 99

15L SUPLC 92/ 92 404756.527 -730554.188 1345745.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	404736.57	-730530.92	1A	89		-3	-3	-10	-2694		165R	5
BUSH	404743.58	-730539.84	1A	92		0	0	-7	-1707		147R	5
TREE	404752.27	-730552.29	1A	101		9	9	2	-408		202R	11
TREE	404757.77	-730558.88	1A	106		14	14	7	344		166R	10
TREE	404800.20	-730556.10	1A	107		15	15	8	366		159L	10
TREE	404759.65	-730601.99	1A	118		26	26	19	648		201R	13
TREE	404805.22	-730601.01	1A	130		38	38	31	993		251L	15
TREE	404808.15	-730604.82	1A	130		38	38	31	1410		255L	3
TREE	404804.92	-730610.63	1A	133		41	41	34	1495		292R	3
TREE	404809.12	-730609.40	1A	136		44	44	37	1728		75L	-1
TREE	404808.97	-730619.18	1A	132		40	40	33	2250		467R	-20
TREE	404812.74	-730624.45	1A	133		41	41	34	2807		483R	-35
TREE	404812.10	-730626.55	1A	119		27	27	20	2875		644R	-51
OL TWR	404817.68	-730621.22	1A	210		118	118	111	2984		46L	36
TREE	404814.52	-730628.41	1A	139		47	47	40	3149		571R	-39
TREE	404819.93	-730632.22	1A	149		57	57	50	3743		391R	-47
TREE	404821.47	-730638.17	1A	146		54	54	47	4177		604R	-63
TREE	404824.72	-730637.07	1A	163		71	71	64	4350		311R	-51
TREE	404822.48	-730645.15	1A	170		78	78	71	4629		911R	-52
ANT	404830.75	-730637.52	1A	204		112	112	105	4806		96L	-23
TREE	404830.72	-730645.02	1A	167		75	75	68	5212		313R	-72
TRMSN TWR	404853.10	-730724.33	1A	246		154	154	147	8950		846R	-103

33R SUPLC 82/ 91 404734.100 -730524.643 3145804.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	404752.27	-730552.29	1A	101		19	10	2	-2804		202L	11
BUSH	404743.58	-730539.84	1A	92		10	1	-7	-1505		147L	5
TREE	404736.57	-730530.92	1A	89		7	-2	-10	-518		165L	5
GROUND	404733.39	-730520.09	1A	85		3	-6	-14	298		197R	0
TREE	404730.61	-730513.98	1A	119		37	28	20	830		329R	18
TREE	404725.65	-730518.53	1A	123		41	32	24	938		273L	19
TREE	404727.70	-730511.71	1A	122		40	31	23	1162		245R	12
TREE	404725.15	-730509.47	1A	120		38	29	21	1466		184R	1

OC0948

AIRPORT ELEVATION 99

15R SUPLC 99/ 99 404808.020 -730626.395 1350044.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	404755.97	-730605.97	1A	103		4	4	4	-1973		249L	12
POST	404809.48	-730632.92	1A	112		13	13	13	459		251R	6
TREE	404812.70	-730638.62	1A	129		30	30	30	1000		330R	7
ROD ON TWR	404815.90	-730644.41	1A	164		65	65	65	1544		416R	26
TREE	404821.47	-730638.17	1A	146		47	47	47	1603		322L	6
TREE	404822.48	-730645.15	1A	170		71	71	71	2055		14L	17
TREE	404821.83	-730648.15	1A	168		69	69	69	2172		195R	11
TREE	404830.72	-730645.02	1A	167		68	68	68	2638		611L	-3
TRMSN TWR	404853.10	-730724.33	1A	246		147	147	147	6376		75L	-34
TRMSN TWR	404850.20	-730737.67	1A	261		162	162	162	6893		858R	-35

33L SUPLC 79/ 90 404731.778 -730538.733 3150115.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	404755.97	-730605.97	1A	103		24	13	4	-3213		249R	12
TREE	404724.69	-730523.85	1A	114		35	24	15	1316		303R	2

OC0948

AIRPORT ELEVATION 99

6 PIR 93/ 404719.113 -730644.766 445842. 94/ 94 404726.101 -730635.578

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	404808.77	-730546.76	1A	101		8	7	2	-6708	-5708	397L	3
OL ON GS	404802.18	-730552.73	1A	119		26	25	20	-5912	-4912	250L	24
TREE	404758.08	-730548.09	1A	103		10	9	4	-5871	-4871	296R	8
TREE	404800.20	-730556.10	1A	107		14	13	8	-5587	-4587	291L	13
TREE	404757.77	-730558.88	1A	106		13	12	7	-5262	-4262	269L	14
TREE	404752.27	-730552.29	1A	101		8	7	2	-5226	-4226	483R	9
TREE	404753.25	-730555.00	1A	102		9	8	3	-5149	-4149	265R	10
ROD ON OL TMOM	404744.82	-730619.10	1A	103		10	9	4	-3236	-2236	442L	14
ROD ON OL TMOM	404740.96	-730623.44	1A	103		10	9	4	-2723	-1724	402L	14
OL ON GS	404736.41	-730629.38	1A	119		26	25	20	-2075	-1075	400L	29
TREE	404716.10	-730639.61	1A	102		9	8	3	-65	935	497R	9
TREE	404711.36	-730647.97	1A	123		30	29	24	729	1729	380R	20
POLE	404708.95	-730650.57	1A	122		29	28	23	1044	2043	411R	12
TREE	404714.33	-730700.13	1A	123		30	29	24	1178	2177	494L	11
POLE	404710.12	-730656.22	1A	116		23	22	17	1266	2266	20R	2
TREE	404707.65	-730654.39	1A	117		24	23	18	1344	2344	297R	1
TREE	404712.09	-730700.36	1A	126		33	32	27	1350	2350	347L	10
TREE	404703.30	-730701.87	1A	146		53	52	47	2062	3062	200R	16
ANT	404705.78	-730705.44	1A	160		67	66	61	2079	3079	171L	30
TREE	404653.97	-730702.08	1A	140		47	46	41	2741	3741	856R	-4

OC0948

AIRPORT ELEVATION 99

24 PIR 99/ 99 404808.050 -730540.408 2245924.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	404716.10	-730639.61	1A	102		3	3	3	-6938		497L	9
OL ON GS	404736.41	-730629.38	1A	119		20	20	20	-4927		400R	29
ROD ON OL TMOM	404740.96	-730623.44	1A	103		4	4	4	-4279		402R	14
ROD ON OL TMOM	404744.82	-730619.10	1A	103		4	4	4	-3767		442R	14
TREE	404753.25	-730555.00	1A	102		3	3	3	-1853		265L	10
TREE	404752.27	-730552.29	1A	101		2	2	2	-1776		483L	9
TREE	404757.77	-730558.88	1A	106		7	7	7	-1740		269R	14
TREE	404800.20	-730556.10	1A	107		8	8	8	-1415		291R	13
TREE	404758.08	-730548.09	1A	103		4	4	4	-1131		296L	8
OL ON GS	404802.18	-730552.73	1A	119		20	20	20	-1090		250R	24
GROUND	404808.77	-730546.76	1A	101		2	2	2	-294		397R	3
OL ON LOC	404811.87	-730535.38	1A	103		4	4	4	546		0R	-3
TREE	404818.43	-730513.74	1A	142		43	43	43	2193		707L	3
TREE	404830.76	-730525.81	1A	158		59	59	59	2419		831R	14
TREE	404823.24	-730514.02	1A	147		48	48	48	2522		348L	1
TREE	404823.01	-730510.38	1A	162		63	63	63	2703		562L	13
TREE	404830.48	-730509.46	1A	191		92	92	92	3288		78L	30
TREE	404833.48	-730508.34	1A	190		91	91	91	3564		76R	23
TREE	404837.33	-730512.02	1A	172		73	73	73	3639		551R	4
TREE	404836.47	-730508.84	1A	176		77	77	77	3750		317R	6
TREE	404834.66	-730451.99	1A	198		99	99	99	4537		729L	12
OL ON TRMSN TWR	404910.20	-730442.28	1A	242		143	143	143	7608		1287R	-5
OL ON TWR	405041.98	-730157.44	2A	647	314	548	548	548	23137		1101L	24

OC0948

AIRPORT ELEVATION 99

ARP 404742.873 -730600.763

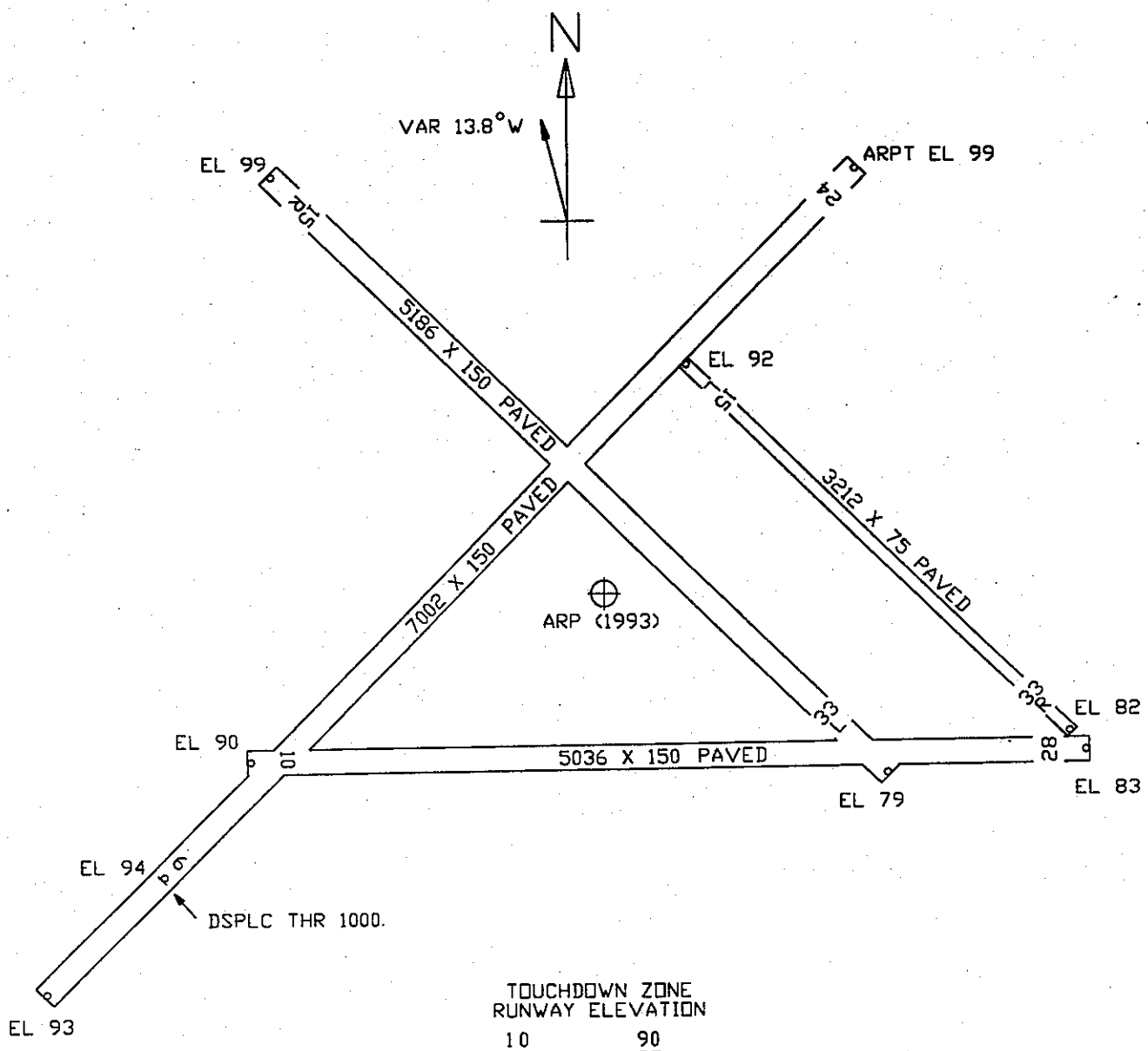
OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
ROD ON OL ASR	404738.24	-730600.48	1A	139		40	19110	469
AMOM	404739.27	-730605.77	1A	106		7	24021	530
TREE	404744.27	-730550.35	1A	103		4	9348	814
BUSH	404740.48	-730545.40	1A	94		-5	11522	1206
TREE	404758.10	-730604.88	1A	122		23	211	1573
TREE	404759.94	-730610.16	1A	123		24	35105	1872
TREE	404745.43	-730533.56	1A	119		20	9644	2108
ANT AND APBN ON OL ATCT	404722.84	-730608.34	1A	189		90	20949	2109
BUSH	404735.69	-730532.31	1A	90		-9	12210	2306
TREE	404805.39	-730618.24	1A	129		30	34315	2646
TREE	404724.34	-730535.07	1A	95		-4	14717	2725
TREE	404809.56	-730548.58	1A	126		27	3255	2858
TREE	404736.96	-730637.16	1A	123		24	27144	2863
TREE	404803.52	-730534.48	1A	129		30	5750	2908
ROD ON OL DF	404717.74	-730539.73	1A	165		66	16120	3015
LT POLE	404736.73	-730640.73	1A	119		20	27222	3136
TREE	404738.38	-730519.75	1A	134		35	11159	3187
WSK ON OL HANGAR	404804.27	-730631.58	1A	159		60	32612	3210
TREE	404806.02	-730531.83	1A	140		41	5719	3232
TREE	404809.67	-730623.92	1A	119		20	34030	3244
TREE	404720.63	-730631.91	1A	112		13	24035	3287
TREE	404813.74	-730544.72	1A	138		39	3521	3358
TREE	404808.10	-730529.87	1A	119		20	5644	3488
TREE	404807.84	-730529.33	1A	140		41	5732	3496
OL ON POLE	404806.38	-730634.57	1A	161		62	32615	3524
ROD ON OL STACK	404712.22	-730622.59	1A	223		124	22213	3528
TREE	404728.91	-730643.12	1A	122		23	26021	3551
TREE	404725.74	-730520.11	1A	124		25	13247	3575
TREE	404718.09	-730635.40	1A	112		13	24031	3660
TREE	404809.71	-730526.01	1A	141		42	5820	3811
TREE	404818.09	-730539.27	1A	137		38	3840	3928
TREE	404725.95	-730647.03	1A	116		17	25806	3949
ANT ON POLE	404737.60	-730508.52	1A	129		30	11121	4053
TREE	404714.62	-730638.74	1A	114		15	23924	4088
ROD ON TWR	404811.25	-730640.06	1A	147		48	32720	4169
ANT ON OL MCWV TWR	404702.70	-730548.00	1A	226		127	18013	4182
TREE	404812.90	-730520.99	1A	143		44	5858	4312
TREE	404709.35	-730641.89	1A	130		31	23648	4638
TREE	404721.66	-730654.59	1A	123		24	25623	4663
LT POLE	404718.17	-730658.09	1A	121		22	25415	5069
TREE	404716.19	-730700.36	1A	124		25	25318	5320

OC0948 Continued from previous page

AIRPORT ELEVATION 99

ARP 404742.873 -730600.763

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
POLE	404833.09	-730528.17	1A	176		77	4003	5667
ANT ON OL MCWV TWR	404642.97	-730547.05	1A	194		95	18355	6154
TREE	404825.75	-730456.24	1A	180		81	6237	6591
TRMSN TWR	404905.39	-730519.14	1A	243		144	3446	8944
OL ON TRMSN TWR	404908.54	-730455.72	1A	256		157	4346	10010
TRMSN TWR	404849.52	-730746.98	1A	264		165	32321	10594
TREE	404946.02	-730537.77	1A	279		180	2152	12588
TREE	404951.99	-730544.50	1A	298		199	1915	13127



TOUCHDOWN ZONE RUNWAY	ELEVATION
10	90
28	85
15L	92
33R	91
15R	99
33L	90
6	94
24	99

LONG ISLAND MAC ARTHUR AIRPORT

ISLIP, NEW YORK

(NOT TO SCALE)

(ELEVATIONS AND DISTANCES IN FEET)