

OBSTRUCTION DATA SHEET

**ODS 5623
ROBERT J. MILLER AIR PARK
TOMS RIVER, NEW JERSEY**

DIGITIZED FROM

**OC 5623
SURVEYED JULY 1991
3RD 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:

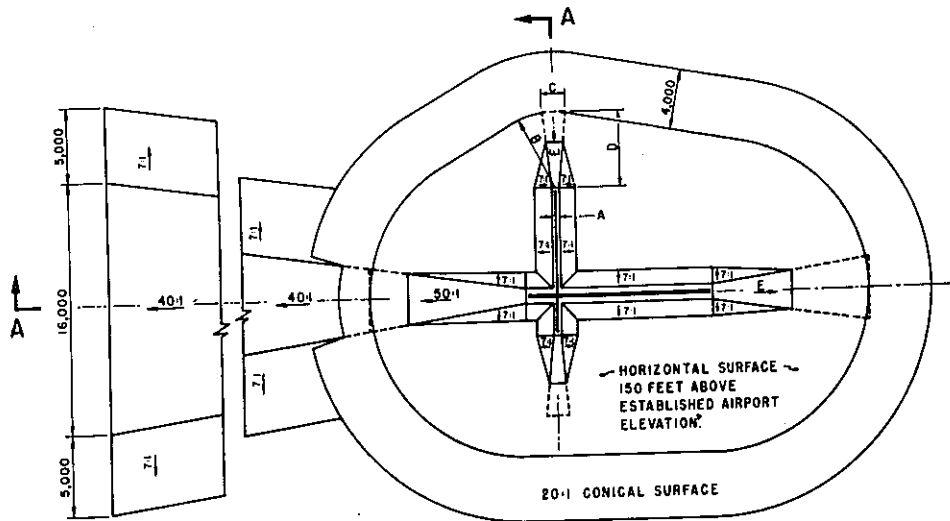
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the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

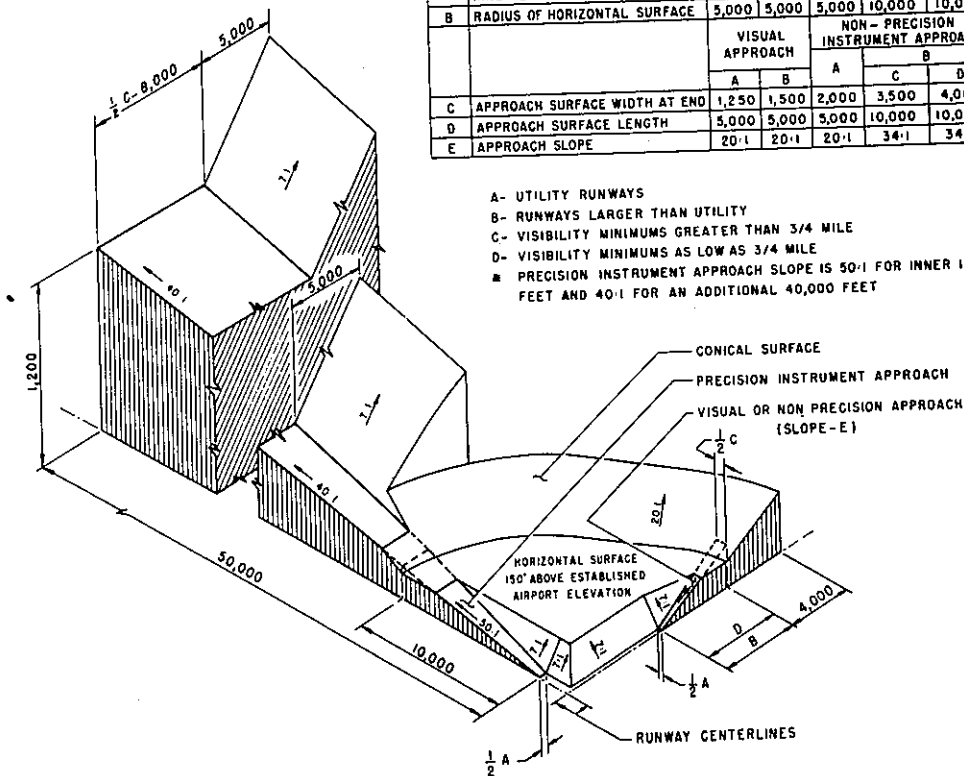
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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	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	1,250	1,500	2,000	3,500	4,000	16,000
E	APPROACH SLOPE	5,000	5,000	5,000	10,000	10,000	*
		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

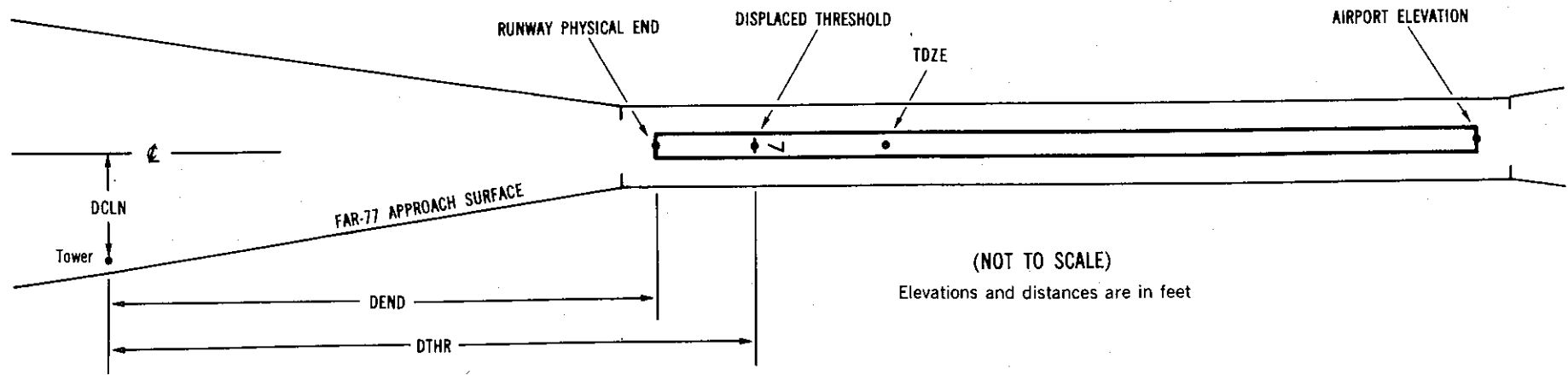
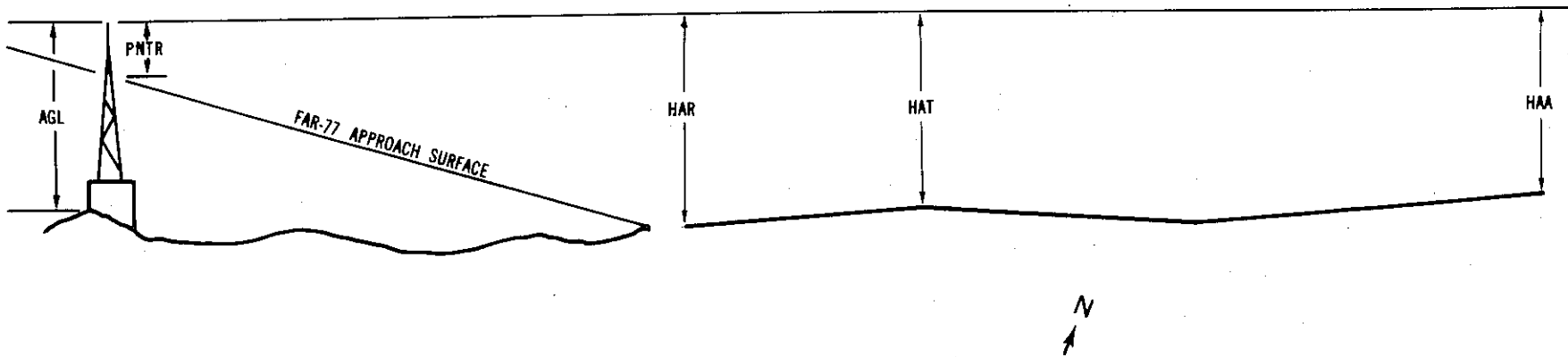
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

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
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



(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 82

6 PIR 77/81 395519.618N 07418 3.232W 2295128

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	395600.92	0741705.26	1A	100		23	19	18	-6147		284L	24
TREE	395600.40	0741706.06	1A	103		26	22	21	-6065		284L	27
BUSH	395554.96	0741703.37	1A	88		11	7	6	-5871		272R	12
TREE	395559.63	0741711.07	1A	99		22	18	17	-5717		476L	23
BUSH	395549.98	0741709.16	1A	92		15	11	10	-5201		366R	15
GROUND	395550.38	0741709.93	1A	85		8	4	3	-5181		297R	8
TREE	395555.99	0741716.51	1A	93		16	12	11	-5155		467L	16
GROUND	395553.40	0741721.25	1A	90		13	9	8	-4704		505L	12
GROUND	395546.66	0741728.94	1A	83		6	2	1	-3806		369L	2
GROUND	395541.31	0741726.38	1A	87		10	6	5	-3610		172R	5
GROUND	395545.17	0741733.54	1A	88		11	7	6	-3435		485L	6
GROUND	395542.28	0741732.37	1A	84		7	3	2	-3317		203L	2
GROUND	395543.89	0741735.43	1A	86		9	5	4	-3240		481L	4
GROUND	395541.03	0741737.62	1A	83		6	2	1	-2922		370L	2
TREE	395531.31	0741734.90	1A	105		28	24	23	-2450		519R	25
GROUND	395537.10	0741743.14	1A	80		3	-1	-2	-2337		343L	1
GROUND	395534.11	0741750.30	1A	84		7	3	2	-1716		472L	7
TREE	395525.47	0741744.00	1A	101		24	20	19	-1527		513R	24
OL GLIDE SLOPE	395523.91	0741751.14	1A	101		24	20	19	-1000		275R	25
GROUND	395523.55	0741800.56	1A	80		3	-1	-2	-415		170L	3
GROUND	395515.72	0741802.49	1A	78		1	-3	-4	210		339R	1
BUILDING	395516.85	0741815.65	1A	90		13	9	8	920		410L	-1
TREE	395510.26	0741822.38	1A	115		38	34	33	1751		238L	7
TREE	395505.99	0741819.29	1A	109		32	28	27	1846		247R	-1
TREE	395510.42	0741830.25	1A	120		43	39	38	2209		645L	3

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AIRPORT ELEVATION 82

24 C 76/82 395557.519N 07417 4.851W 0495206

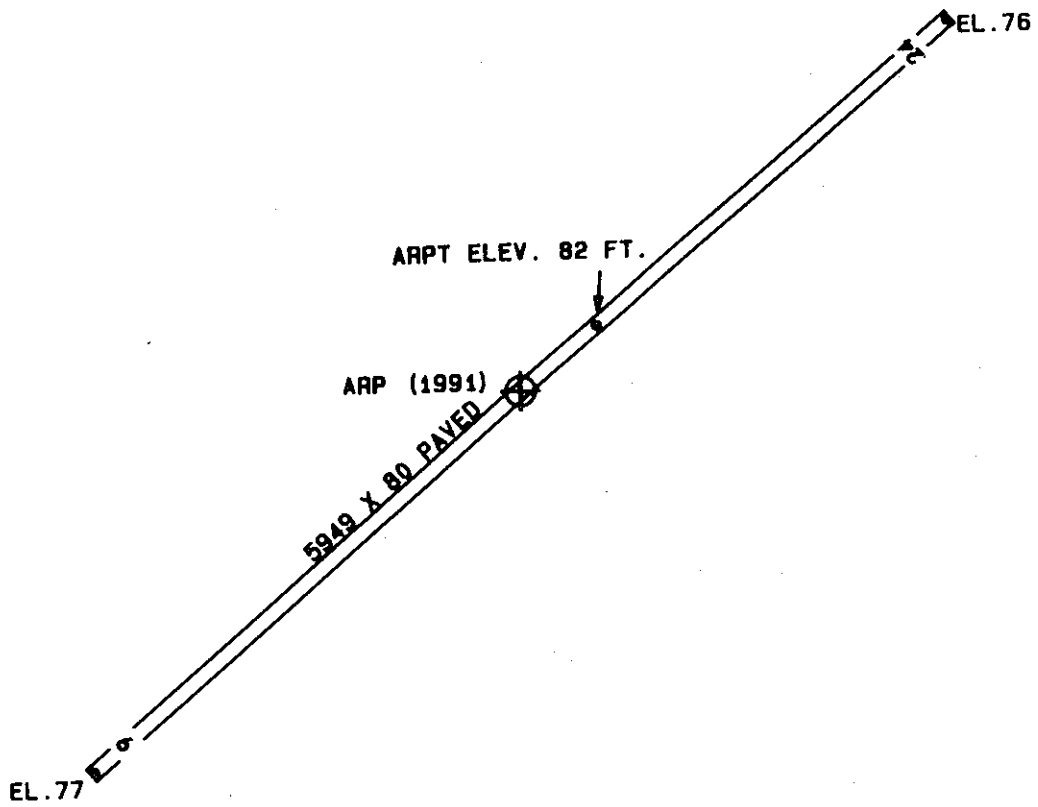
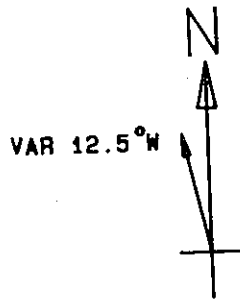
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	395515.72	0741802.49	1A	78		2	-4	-4	-6159		339L	1
GROUND	395523.55	0741800.56	1A	80		4	-2	-2	-5534		170R	3
OL GLIDE SLOPE	395523.91	0741751.14	1A	101		25	19	19	-4949		275L	25
TREE	395525.47	0741744.00	1A	101		25	19	19	-4422		513L	24
GROUND	395534.11	0741750.30	1A	84		8	2	2	-4233		472R	7
GROUND	395537.10	0741743.14	1A	80		4	-2	-2	-3612		343R	1
TREE	395531.31	0741734.90	1A	105		29	23	23	-3499		519L	25
GROUND	395541.03	0741737.62	1A	83		7	1	1	-3027		370R	2
GROUND	395543.89	0741735.43	1A	86		10	4	4	-2710		481R	4
GROUND	395542.28	0741732.37	1A	84		8	2	2	-2633		203R	2
GROUND	395545.17	0741733.54	1A	88		12	6	6	-2515		485R	6
GROUND	395541.31	0741726.38	1A	87		11	5	5	-2339		172L	5
GROUND	395546.66	0741728.94	1A	83		7	1	1	-2143		369R	2
GROUND	395553.40	0741721.25	1A	90		14	8	8	-1245		505R	12
TREE	395555.99	0741716.51	1A	93		17	11	11	-795		467R	16
GROUND	395550.38	0741709.93	1A	85		9	3	3	-768		297L	8
BUSH	395549.98	0741709.16	1A	92		16	10	10	-748		366L	15
TREE	395559.63	0741711.07	1A	99		23	17	17	-233		476R	23
BUSH	395554.96	0741703.37	1A	88		12	6	6	-78		272L	12
TREE	395600.40	0741706.06	1A	103		27	21	21	116		284R	27
TREE	395600.92	0741705.26	1A	100		24	18	18	198		284R	24
TREE	395555.64	0741657.19	1A	115		39	33	33	334		530L	35
ANTENNA ON BUILDING	395602.86	0741702.47	1A	86		10	4	4	490		293R	1
OL ON LOCALIZER	395600.72	0741659.92	1A	80		4	-2	-2	502		0R	-5
TREE	395604.78	0741703.25	1A	121		45	39	39	569		482R	34
TREE	395601.99	0741658.01	1A	110		34	28	28	699		3R	19
TREE	395559.28	0741652.62	1A	126		50	44	44	843		478L	31
TREE	395605.77	0741658.12	1A	117		41	35	35	939		300R	19
TREE	395601.64	0741653.55	1A	121		45	39	39	942		249L	23
TREE	395606.78	0741647.33	1A	127		51	45	45	1648		163L	8
TREE	395606.08	0741643.32	1A	143		67	61	61	1841		419L	19

OC5623

AIRPORT ELEVATION 82

ARP 395538.569N 0741734.044W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	395535.99	0741727.58	1A	119		37	129 52	567
OL ON LIGHTED WINDSOCK	395536.95	0741747.32	1A	110		28	273 29	1047
TREE	395549.30	0741728.49	1A	122		40	34 15	1169
FLOODLIGHT POLE	395538.16	0741751.25	1A	125		43	280 44	1341
ANTENNA ON POLE	395554.26	0741733.47	1A	148		66	14 7	1588
TREE	395556.44	0741717.85	1A	132		50	47 24	2205
TREE	395550.89	0741703.76	1A	124		42	74 38	2669
TREE	395515.55	0741758.74	1A	109		27	232 4	3021
TREE	395522.37	0741815.19	1A	122		40	255 26	3600
TREE	395508.68	0741803.35	1A	118		36	229 33	3790
TREE	395557.78	0741650.47	1A	133		51	72 42	3912
TREE	395557.41	0741644.41	1A	161		79	76 15	4311
TREE	395516.60	0741822.40	1A	120		38	251 58	4374



TOUCHDOWN ZONE RUNWAY ELEVATION	
6	81
24	82

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(NOT TO SCALE)