# OBSTRUCTION DATA SHEET

ODS 138
EPHRATA MUNICIPAL AIRPORT
EPHRATA, WASHINGTON

DIGITIZED FROM

OC 138
SURVEYED APRIL 1990
7TH EDITION



PREPARED AND DISTRIBUTED BY
THE NATIONAL OCEAN SERVICE
U.S. DEPARTMENT OF COMMERCE
FOR THE FEDERAL AVIATION ADMINISTRATION

## ATTENTION

See SPECIAL NOTICES in "Dates of Latest Editions, Airport Obstruction Charts - Obstruction Data Sheets," for possible corrections. National Oceanic and Atmospheric Administration (NOAA) publications are available through NOAA Distribution Branch (N/CG33), National Ocean Service, Riverdale, MD 20737. Telephone: 301-436-6990

#### 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.

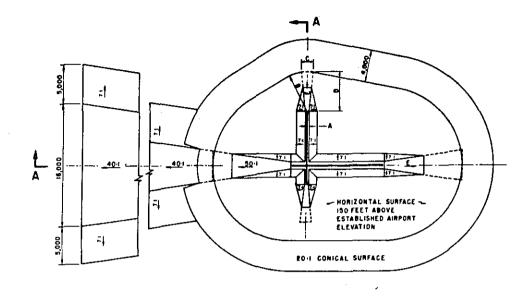
ODS information is arranged as follows:

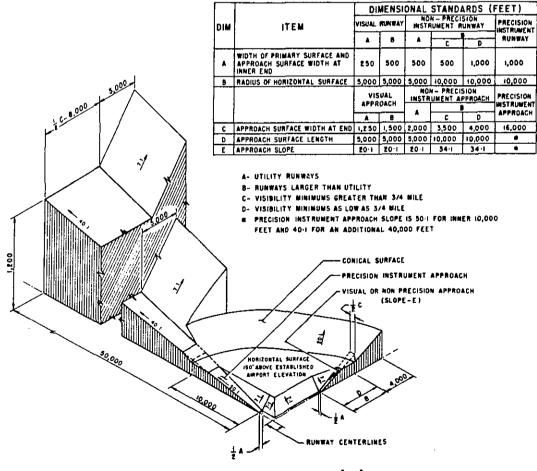
- 1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both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

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.

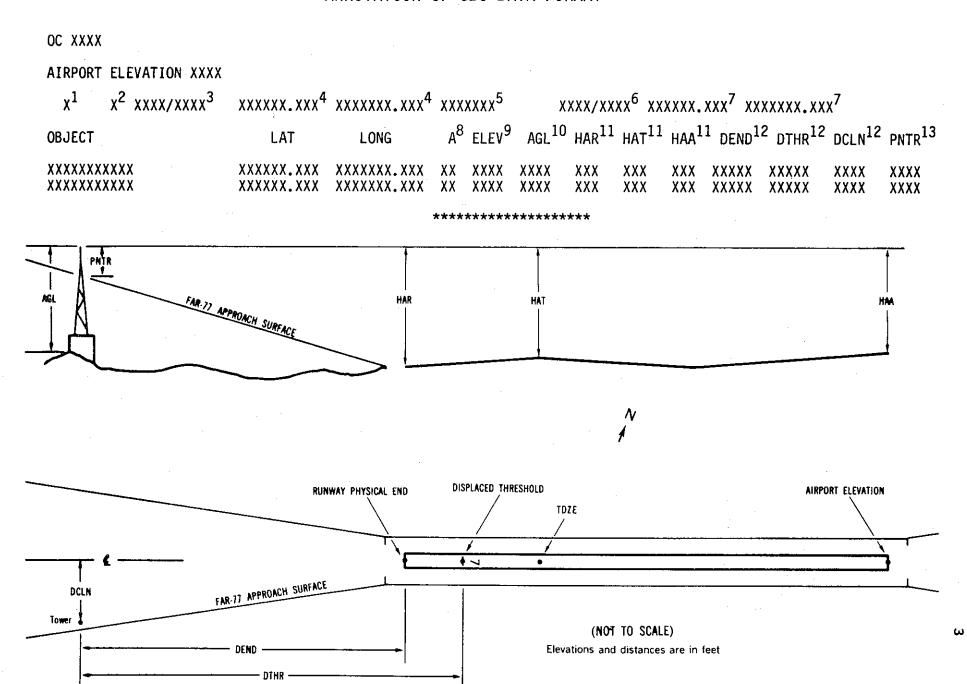




ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT IMAGINARY SURFACES

#### ANNOTATION OF ODS DATA FORMAT



#### EXPLANATION OF FOOTNOTES

- 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.
- <sup>2</sup> 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
- <sup>4</sup> Latitude and longitude of reference runway approach physical end
- <sup>5</sup> 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
- 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.
- 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
- 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.

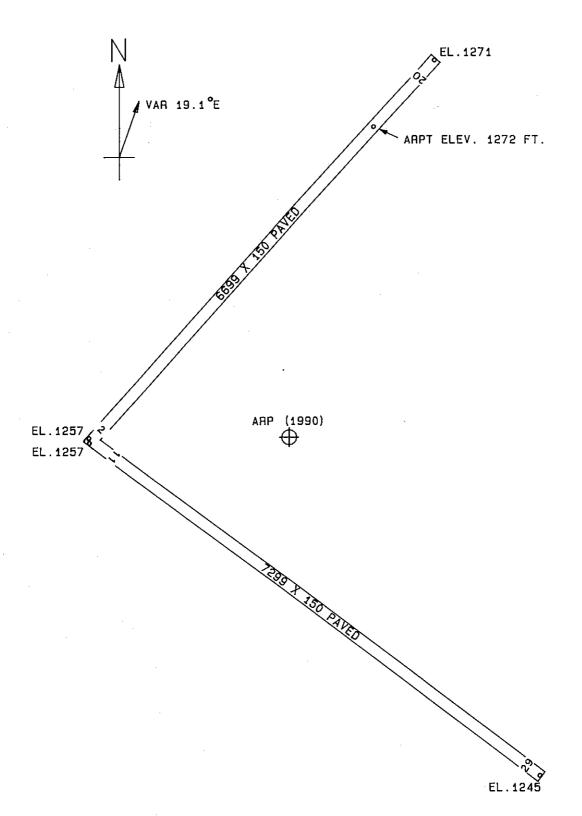
13 PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

### AIRPORT ELEVATION 1272

				_					*		
2 C 1257/1259	471816.202N 1193	122.026W	22239	07							
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	НАТ	HAA	DEND	DTHR	DCLN PNTR
GROUND GROUND		1193149.29 1193152.09		1301 1315		44 58	42 56	29 43	2200 2458		528L -15 553L -8
20 C 1271/1272 471904.821N 1193016.158W 0423956											
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN PNTR
	·										
	*** N O	овяти	я и с	TIO	n s	*	**				
11 SUPLC 1257/1259 471817.141N 1193122.145W 3074154											
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN PNTR
GROUND ELEVATOR		1193139.34 1193258.44		1287 1423		30 166	28 164	15 151	1500 8254		3L -8 170R -71
DELVATOR	4/1905,62	1132220.4	+ TD	1423		100	104	121	8434		1/UR ~/1
29 SUPLC 1245/1252 471733.083N 1192958.372W 1274256											
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN PNTR
					:					:	
	*** N O	0 B S T I	RUC	TIO	N S	*	**				

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AIRPORT ELEVATION 1272

ARP	471816.840N	1193044.485W						•
OBJECT	LAT	LONG	- <b>A</b>	ELEV	AGL	HAA	MAG BEARING	DISTANCE
LIGHTED WIND TETRAHED	RON 471830.38	1193053.36	1 <b>A</b>	1268		-4	316 52	1502
OL ANEMOMETER	471829.06	1193056.84	1 <b>A</b>	1275		3	306 23	1503
OL WINDSOCK	471830.28	1193056.56	1A	1279		7	309 29	1596
STACK	471838.00	1193118.08	1A	1320		48	293 43	3155
ANTENNA ON OL APT BEAG	CON 471842.64	1193111.61	1A	1334		62	305 20	3214
ROD ON STACK	471833.07	1193124.75	1A	1322		50	281 34	3226
ROD ON STACK	471851.81	1193101.45	1A	1330		58	322 38	3731
RADIO TOWER	471901.40	1193346.35	2A	1643	202	371	270 44	13321
TANK	471919.00	1193357.06	2C	1612		340	276 18	14689
OL ANTENNA POLE	471913.32	1193419.51	2C	2067		795	272 2	15884
OL RADIO MAST	471849.73	1193455.27	2A	2420	351	1148	261 50	17601



TOUCHDOWN ZONE RUNWAY ELEVATION

2 1259 20 1272 11 1259 29 1252

EPHRATA MUNICIPAL AIRPORT
EPHRATA, WASHINGTON
(NOT TO SCALE)