OBSTRUCTION DATA SHEET

ODS 334
PUEBLO MEMORIAL AIRPORT
PUEBLO, COLORADO

DIGITIZED FROM

OC 334
SURVEYED NOVEMBER 1991
8TH EDITION

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FOR THE FEDERAL AVIATION ADMINISTRATION

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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).

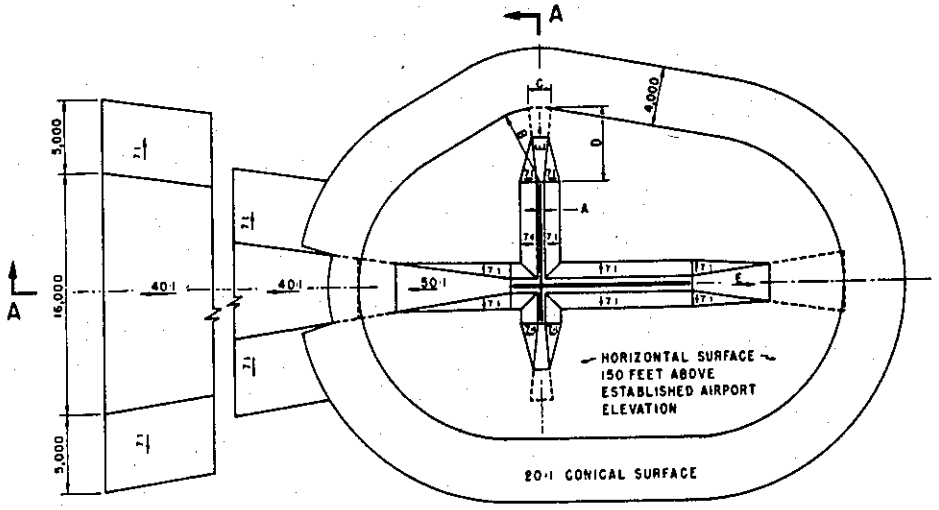
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

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)

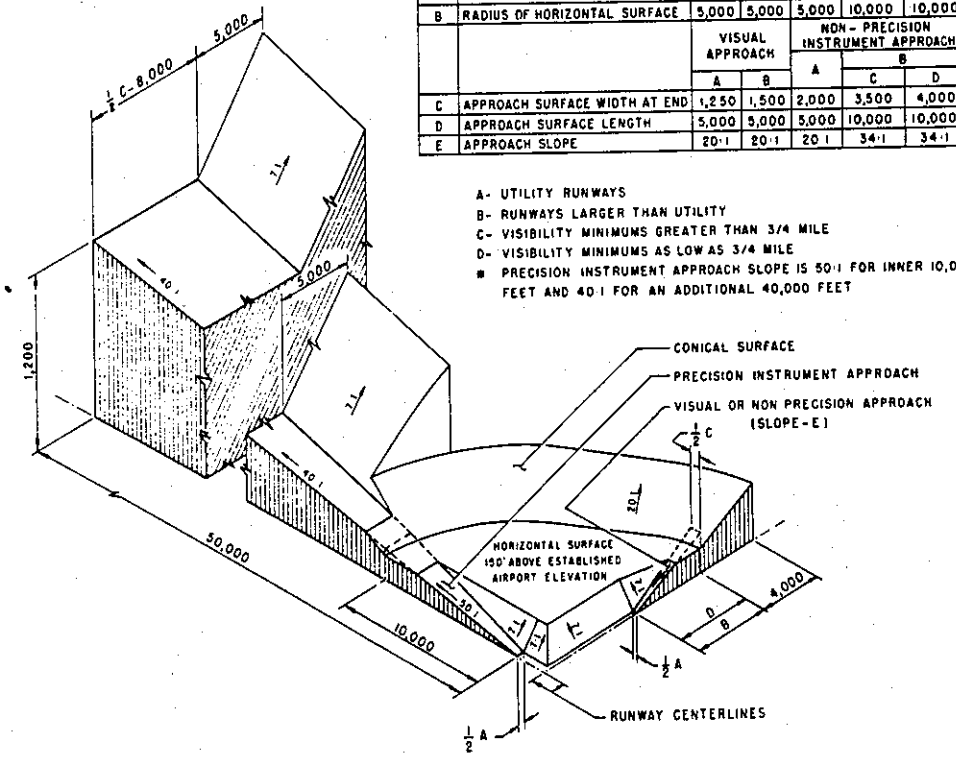
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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]
XXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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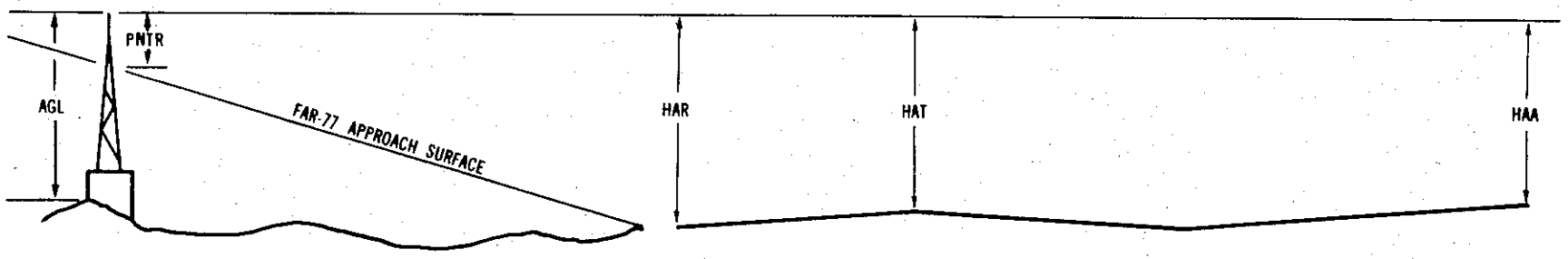
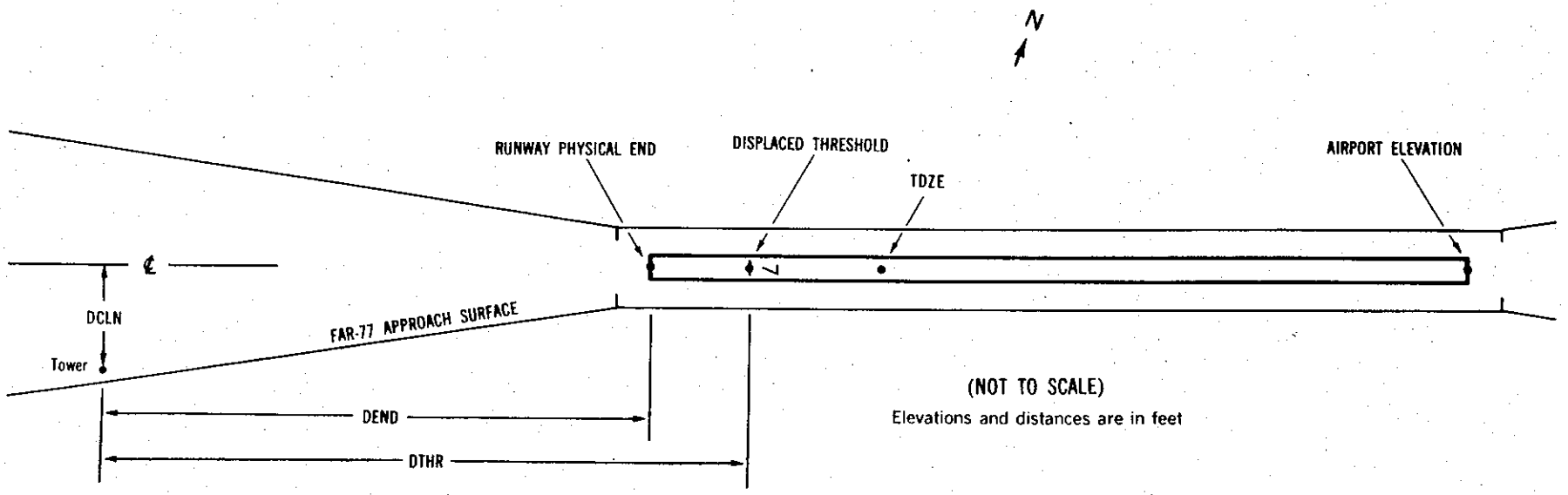




(NOT TO SCALE)

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).

OC0334

AIRPORT ELEVATION 4726

8L PIR 4667/4668 381713.639N 1043034.333W 2681552

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GLIDE SLOPE	381721.36	1042837.31	1A	4678		11	10	-48	-9350		500L	31
GROUND	381710.83	1042909.54	1A	4648		-19	-20	-78	-6750		488R	-12
GROUND	381710.23	1042926.93	1A	4656		-11	-12	-70	-5362		507R	-8
GROUND	381710.23	1042931.20	1A	4656		-11	-12	-70	-5022		496R	-8
GROUND	381719.83	1042936.85	1A	4674		7	6	-52	-4600		488L	9
GROUND	381709.85	1042944.07	1A	4659		-8	-9	-67	-3995		504R	-7
GROUND	381709.55	1042955.87	1A	4656		-11	-12	-70	-3053		506R	-11
ROD ON OL GLIDE SLOPE	381718.93	1043019.68	1A	4705		38	37	-21	-1184		500L	37
OL ON LOCALIZER	381713.41	1043043.70	1A	4674		7	6	-52	747		0R	-4
ANTENNA ON BUILDING	381710.82	1043044.24	1A	4678		11	10	-48	798		261R	-1
TREE	381714.75	1043056.08	1A	4694		27	26	-32	1730		165L	-4

26R PIR 4646/4656 381716.760N 1042822.780W 0881713

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GLIDE SLOPE	381718.93	1043019.68	1A	4705		59	49	-21	-9310		500R	37
GROUND	381709.55	1042955.87	1A	4656		10	0	-70	-7441		506L	-11
GROUND	381709.85	1042944.07	1A	4659		13	3	-67	-6499		504L	-7
GROUND	381719.83	1042936.85	1A	4674		28	18	-52	-5894		488R	9
GROUND	381710.23	1042931.20	1A	4656		10	0	-70	-5472		496L	-8
GROUND	381710.23	1042926.93	1A	4656		10	0	-70	-5132		507L	-8
GROUND	381710.83	1042909.54	1A	4648		2	-8	-78	-3744		488L	-12
OL ON GLIDE SLOPE	381721.36	1042837.31	1A	4678		32	22	-48	-1144		500R	31
OL ON LOCALIZER	381717.20	1042804.22	1A	4662		16	6	-64	1481		1R	-10
ANTENNA ON BUILDING	381714.23	1042803.71	1A	4663		17	7	-63	1512		301L	-9
RADAR REFLECTOR	381717.38	1042757.71	1A	4663		17	7	-63	2000		3R	-19
TREE	381722.77	1042757.52	1A	4680		34	24	-46	2031		548R	-3

OC0334

AIRPORT ELEVATION 4726

8R SUPLC 4654/4654 381707.149N 10430 3.628W 2681753

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	381710.31	1042912.50	1A	4648		-6	-6	-78	-4084		199L	7
GROUND	381710.23	1042926.93	1A	4656		2	2	-70	-2934		225L	12
GROUND	381710.23	1042931.20	1A	4656		2	2	-70	-2594		235L	11
CEILOMETER	381709.62	1042937.57	1A	4660		6	6	-66	-2084		188L	13
GROUND	381709.85	1042944.07	1A	4659		5	5	-67	-1567		227L	9
GROUND	381709.55	1042955.87	1A	4656		2	2	-70	-626		225L	4
ANTENNA ON BUILDING	381710.82	1043044.24	1A	4678		24	24	-48	3226		468L	-65

26L SUPLC 4641/4652 381708.341N 1042912.586W 0881824

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	381709.55	1042955.87	1A	4656		15	4	-70	-3446		225R	4
GROUND	381709.85	1042944.07	1A	4659		18	7	-67	-2504		227R	9
CEILOMETER	381709.62	1042937.57	1A	4660		19	8	-66	-1988		188R	13
GROUND	381710.23	1042931.20	1A	4656		15	4	-70	-1477		235R	11
GROUND	381710.23	1042926.93	1A	4656		15	4	-70	-1138		225R	12
GROUND	381710.31	1042912.50	1A	4648		7	-4	-78	13		199R	7
GROUND	381710.83	1042909.54	1A	4648		7	-4	-78	251		245R	6
OL ON LOCALIZER	381717.20	1042804.22	1A	4662		21	10	-64	5476		736R	-134
ANTENNA ON BUILDING	381714.23	1042803.71	1A	4663		22	11	-63	5507		434R	-134
RADAR REFLECTOR	381717.38	1042757.71	1A	4663		22	11	-63	5995		738R	-148

0C0334

AIRPORT ELEVATION 4726

17 C 4726/4726 381815.047N 1043012.799W 3581858

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
RADAR REFLECTOR	381824.90	1043013.17	1A	4757		31	31	31	997		0L	8
TRANSMISSION POLE	381921.60	1043006.45	1A	4907		181	181	181	6714		704L	-11
TRANSMISSION POLE	381921.66	1043015.65	1A	4893		167	167	167	6742		29R	-25
TRANSMISSION POLE	381921.79	1043023.37	1A	4886		160	160	160	6773		643R	-33
GROUND	381946.62	1043000.04	1A	4993		267	267	267	9230		1289L	1

35 C 4645/4674 381652.977N 10430 9.738W 1781900

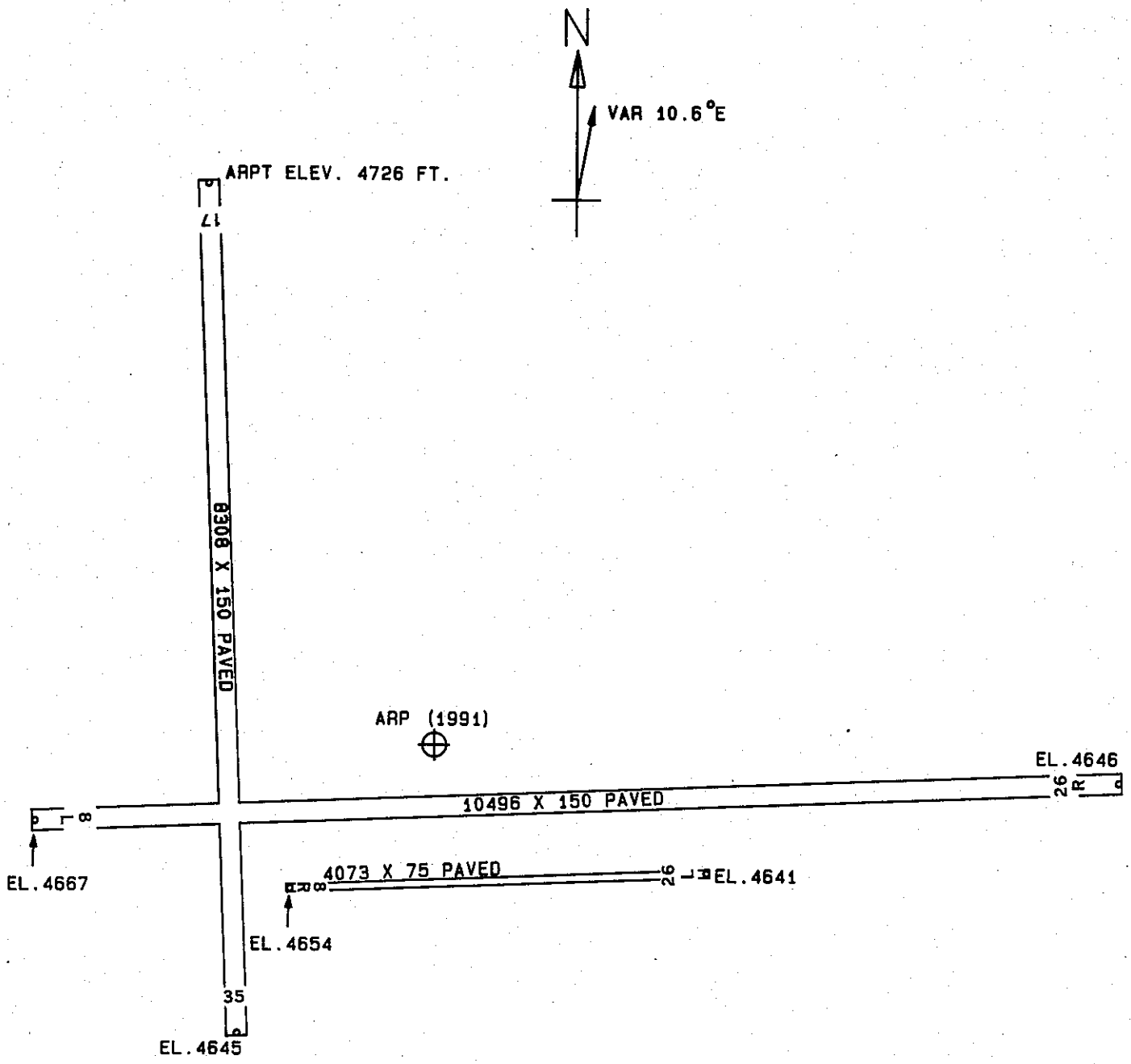
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
LIGHT STANDARD	381640.08	1043012.69	1A	4668		23	-6	-58	1297		274L	-9
OL TRANSMISSION POLE	381634.21	1043003.10	1A	4677		32	3	-49	1913		474R	-18
OL TRANSMISSION POLE	381634.09	1043007.06	1A	4677		32	3	-49	1916		158R	-18
OL TRANSMISSION POLE	381633.99	1043010.82	1A	4678		33	4	-48	1918		143L	-18
OL TRANSMISSION POLE	381633.86	1043014.59	1A	4679		34	5	-47	1921		443L	-17

OC0334

AIRPORT ELEVATION 4726

ARP 381720.706N 1042945.768W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
OL ANEMOMETER	381721.62	1042948.22	1A	4713		-13	284 41	216
LIGHTED WINDSOCK	381726.56	1042940.58	1A	4714		-12	24 19	722
TREE	381722.42	1042955.77	1A	4692		-34	271 38	816
OL ON EQUIPMENT BOX	381721.59	1042935.14	1A	4686		-40	73 23	852
RTR TOWER	381726.67	1042935.24	1A	4722		-4	43 42	1033
ANTENNA ON OL ATCT	381701.88	1042937.74	1A	4732		6	150 49	2009
OL AIRPORT BEACON	381659.52	1042925.42	1A	4698		-28	132 16	2688
ANTENNA ON OL ASR	381743.20	1043024.34	1A	4741		15	295 54	3825
GROUND	381817.09	1043008.98	1A	4733		7	331 26	5997
GROUND	381837.16	1042836.93	1B	4882		156	24 45	9483
GROUND	381854.53	1042908.66	1B	4915		189	6 43	9942
GROUND	381845.77	1042827.61	1B	4879		153	25 18	10624
GROUND	381918.37	1042935.80	1B	4963		237	353 13	11929
POLE	381921.08	1042938.22	1B	5021		295	352 14	12192
POLE	381920.90	1042928.13	1B	4994		268	356 0	12240
TRANSMISSION POLE	381921.46	1042957.80	1B	4925		199	344 55	12253
TRANSMISSION POLE	381921.86	1043031.59	1B	4893		167	332 48	12789
GROUND	381942.56	1042956.21	1B	4988		262	346 5	14374
GROUND	381959.83	1042911.46	2C	4994		268	359 2	16327
GROUND	382024.01	1042935.22	2C	5038		312	352 0	18562
GROUND	382026.36	1043005.24	2C	5040		314	344 41	18845



TOUCHDOWN ZONE RUNWAY	ELEVATION
8L	4668
26R	4656
8R	4654
26L	4652
17	4726
35	4674

PUEBLO MEMORIAL AIRPORT

PUEBLO, COLORADO

(NOT TO SCALE)