OBSTRUCTION DATA SHEET

ODS 426
TRI - CITY REGIONAL AIRPORT
BRISTOL - JOHNSON - KINGSPORT, TENNESSEE

DIGITIZED FROM

OC 426
SURVEYED NOVEMBER 1991
9TH EDITION

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THE NATIONAL OCEAN SERVICE
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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).

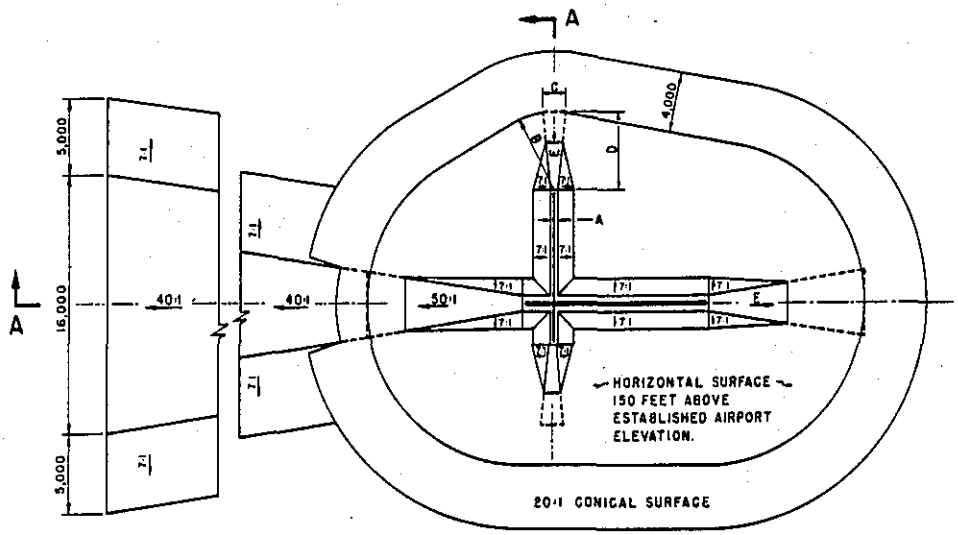
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

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)

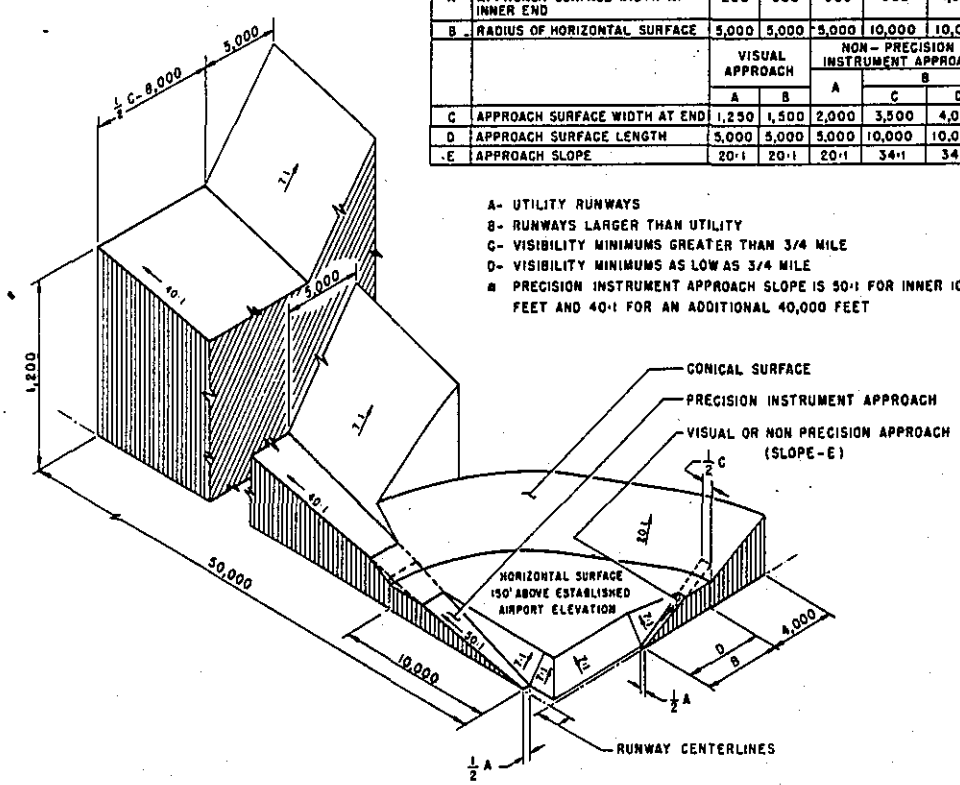
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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
					B		
		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
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
					B		
		A	B	A	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]
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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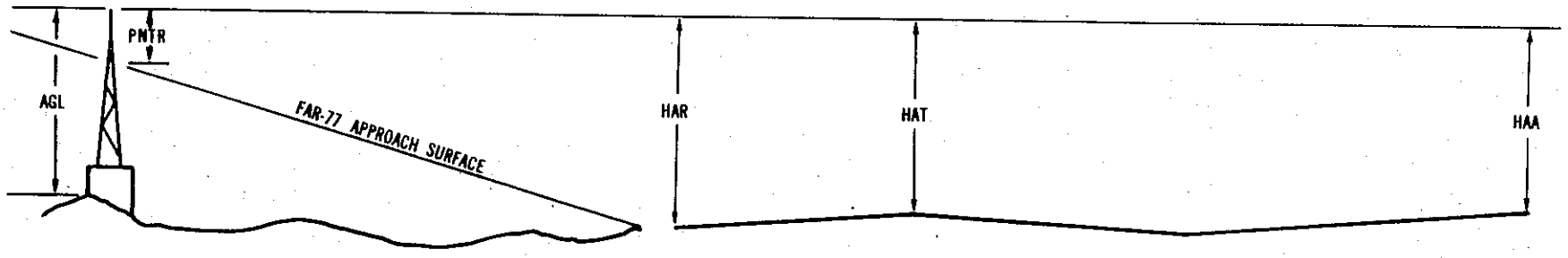
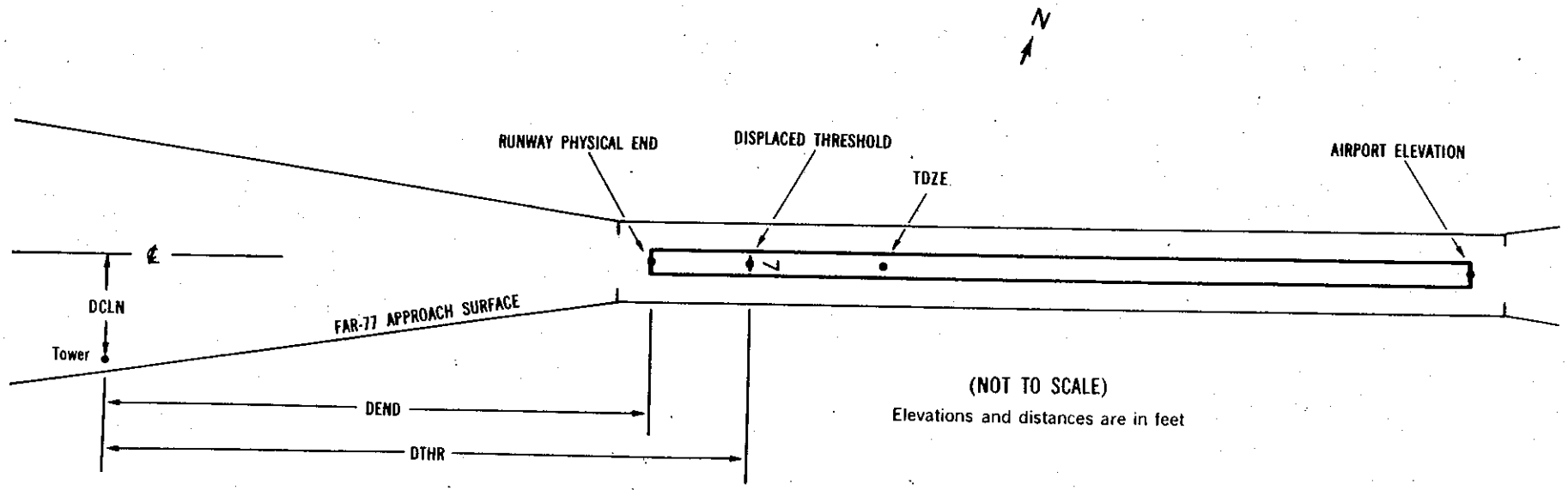




(NOT TO SCALE)

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 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).

AIRPORT ELEVATION 1519

5 PIR 1489/1498 362754.879N 08225 9.297W 2223401

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT'	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GLIDE SLOPE	362848.15	0822415.36	1A	1572		83	74	53	-6948		400L	54
ROD ON OL TRANSMISSOMETER	362847.43	0822416.93	1A	1536		47	38	17	-6808		445L	18
TREE	362836.79	0822413.84	1A	1531		42	33	12	-6186		468R	15
OL ON WINDSOCK	362838.83	0822426.97	1A	1540		51	42	21	-5612		461L	27
GROUND	362822.38	0822446.65	1A	1519		30	21	0	-3299		519L	19
MARKER	362816.78	0822452.46	1A	1517		28	19	-2	-2561		485L	21
ROD ON OL TRANSMISSOMETER	362810.21	0822445.04	1A	1511		22	13	-8	-2482		410R	15
ROD ON OL TRANSMISSOMETER	362808.09	0822446.74	1A	1511		22	13	-8	-2230		453R	17
POLE	362808.86	0822501.89	1A	1498		9	0	-21	-1450		511L	8
ANTENNA ON OL BUILDING	362801.22	0822457.94	1A	1497		8	-1	-22	-1100		250R	7
OL ON LOCALIZER	362743.59	0822522.12	1A	1477		-12	-21	-42	1550		1R	-39
TREE	362740.26	0822523.73	1A	1498		9	0	-21	1886		132R	-25
TREE	362732.74	0822524.98	1A	1529		40	31	10	2516		571R	-6
TREE	362728.32	0822536.07	1A	1560		71	62	41	3458		206R	6
TREE	362728.95	0822538.17	1A	1558		69	60	39	3526		36R	2
TREE	362725.54	0822537.72	1A	1592		103	94	73	3756		297R	32
TREE	362726.81	0822543.74	1A	1591		102	93	72	3994		152L	26
TREE	362725.34	0822542.91	1A	1599		110	101	80	4057		2L	33
TREE	362725.11	0822600.38	1A	1631		142	133	112	5040		1037L	45
TREE	362715.12	0822602.58	1A	1644		155	146	125	5906		486L	41
TREE	362706.32	0822604.37	1A	1659		170	161	140	6660		8R	41
TRANSMISSION TOWER	362656.76	0822612.09	1A	1672		183	174	153	7799		197R	31
TRANSMISSION TOWER	362654.11	0822609.52	1A	1664		175	166	145	7854		533R	22

AIRPORT ELEVATION 1519

23 PIR 1518/1518 362853.126N 08224 3.047W 0423440

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ANTENNA ON OL BUILDING	362801.22	0822457.94	1A	1497		-21	-21	-22	-6899		250L	7
POLE	362808.86	0822501.89	1A	1498		-20	-20	-21	-6548		511R	8
ROD ON OL TRANSMISSOMETER	362808.09	0822446.74	1A	1511		-7	-7	-8	-5769		453L	17
ROD ON OL TRANSMISSOMETER	362810.21	0822445.04	1A	1511		-7	-7	-8	-5516		410L	15
MARKER	362816.78	0822452.46	1A	1517		-1	-1	-2	-5437		485R	21
GROUND	362822.38	0822446.65	1A	1519		1	1	0	-4699		519R	19
OL ON WINDSOCK	362838.83	0822426.97	1A	1540		22	22	21	-2387		461R	27
TREE	362836.79	0822413.84	1A	1531		13	13	12	-1813		468L	15
ROD ON OL TRANSMISSOMETER	362847.43	0822416.93	1A	1536		18	18	17	-1191		445R	18
ROD ON OL GLIDE SLOPE	362848.15	0822415.36	1A	1572		54	54	53	-1051		400R	54
POLE	362901.70	0822402.88	1A	1524		6	6	5	648		576R	-3
TREE	362857.54	0822350.56	1A	1525		7	7	6	1018		449L	-9
TREE	362904.94	0822354.31	1A	1527		9	9	8	1362		283R	-14
TREE	362911.45	0822353.84	1A	1565		47	47	46	1873		700R	14
ANTENNA ON POLE	362916.98	0822335.90	1A	1579		61	61	60	3276		0L	-1
TREE	362920.57	0822320.06	1A	1607		89	89	88	4419		707L	5
TREE	362919.40	0822316.90	1A	1607		89	89	88	4507		977L	3
TREE	362922.75	0822319.95	1A	1609		91	91	90	4587		564L	3
TREE	362959.86	0822306.39	1A	1713		195	195	194	8100		1160R	37
TREE	363002.72	0822257.24	1A	1735		217	217	216	8818		805R	45
TREE	363000.64	0822252.59	1A	1718		200	200	199	8920		384R	26
TREE	363015.40	0822247.64	1A	1710		192	192	191	10292		1096R	-10

AIRPORT ELEVATION 1519

9 C 1519/1519 362841.538N 0822438.136W 2690245

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	362839.93	0822341.15	1A	1512		-7	-7	-7	-4651		240R	3
FENCE	362843.80	0822439.58	1A	1546		27	27	27	114		231L	27
POLE	362844.17	0822442.48	1A	1538		19	19	19	351		272L	15
POLE	362842.52	0822443.44	1A	1528		9	9	9	431		107L	2
ROD ON POLE	362838.87	0822444.78	1A	1529		10	10	10	547		260R	-1
FLAGPOLE	362842.24	0822449.30	1A	1546		27	27	27	910		86L	6
LIGHT STANDARD	362841.09	0822451.13	1A	1551		32	32	32	1062		28R	7
TREE	362837.93	0822451.44	1A	1568		49	49	49	1092		347R	23
CONCRETE POST	362842.27	0822459.02	1A	1569		50	50	50	1704		103L	6
TREE	362836.24	0822508.59	1A	1650		131	131	131	2496		494R	63
TREE	362845.04	0822512.80	1A	1641		122	122	122	2825		401L	45
TREE	362838.26	0822513.99	1A	1652		133	133	133	2933		283R	53
TREE	362846.77	0822515.30	1A	1675		156	156	156	3026		580L	73
TREE	362835.08	0822515.31	1A	1693		174	174	174	3047		602R	90
TREE	362847.67	0822519.54	1A	1711		192	192	192	3371		676L	99
TREE	362849.35	0822530.43	1A	1768		249	249	249	4257		862L	130
OL ON POLE	362840.65	0822535.27	1A	1735		216	216	216	4668		12R	85
TREE	362844.06	0822535.93	1A	1758		239	239	239	4716		334L	106
TREE	362840.37	0822536.97	1A	1756		237	237	237	4806		38R	102
TREE	362832.43	0822554.61	1A	1762		243	243	243	6261		816R	65
TREE	362851.87	0822601.13	1A	1690		171	171	171	6760		1159L	-22

27 C 1509/1518 362842.266N 0822343.696W 0890317

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE	362843.80	0822439.58	1A	1546		37	28	27	-4561		231R	27
GROUND	362839.93	0822341.15	1A	1512		3	-6	-7	204		240L	3
ROAD (N)	362842.27	0822340.31	1A	1509		0	-9	-10	277		4L	-2
TREE	362843.90	0822312.61	1A	1558		49	40	39	2541		123R	-20

AIRPORT ELEVATION 1519

ARP 362830.399N 0822427.150W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
OL ANEMOMETER	362824.62	0822419.38	1A	1534		15	137 28	863
SIGN ON HANGAR	362836.39	0822438.42	1A	1547		28	308 9	1102
ANTENNA ON OL ATCT	362833.79	0822440.63	1A	1634		115	292 6	1153
ANTENNA ON ASR	362823.14	0822413.29	1A	1613		94	127 46	1349
OL ON HANGAR	362827.85	0822444.69	1A	1553		34	264 35	1456
PIPE ON TANK	362838.43	0822442.24	1A	1528		9	308 11	1476
GROUND	362845.31	0822438.38	1A	1552		33	333 30	1765
LIGHT STANDARD	362846.60	0822436.09	1A	1586		67	340 47	1794
POLE	362844.38	0822441.13	1A	1545		26	325 52	1817
FENCE	362820.40	0822449.40	1A	1524		5	245 42	2080
ROD ON OL TRANSMISSOMETER	362849.80	0822416.21	1A	1536		17	29 17	2156
ANTENNA & APBN ON OL BLDG	362852.99	0822427.04	1A	1618		99	5 1	2285
ANTENNA ON OL POLE	362809.94	0822412.08	1B	1705		186	154 3	2408
WINDSOCK ON OL HANGAR	362838.15	0822353.94	1A	1537		18	78 41	2823
ANTENNA ON OL POLE	362900.05	0822427.92	1B	1712		193	3 36	3000
WINDSOCK ON HANGAR	362858.74	0822415.79	1A	1574		55	22 44	3012
TREE	362845.87	0822348.00	1A	1536		17	68 44	3560
OL ON POLE	362833.90	0822510.57	1A	1638		119	280 30	3564
TREE	362837.53	0822343.89	1A	1581		62	83 16	3606
TREE	362833.02	0822511.55	1B	1676		157	278 59	3636
TREE	362838.66	0822340.39	1A	1566		47	82 28	3910
TREE	362846.14	0822343.15	1A	1528		9	70 55	3930
TREE	362828.09	0822526.15	1B	1679		160	272 2	4824
POLE	362800.49	0822516.25	1A	1530		11	237 47	5023
TREE	362914.71	0822355.07	1A	1584		65	35 7	5191
ANTENNA ON OL POLE	362823.78	0822531.94	1B	1723		204	267 36	5334
TREE	362851.16	0822530.23	1B	1799		280	296 59	5564
TREE	362926.22	0822453.10	1B	1743		224	344 14	6030
TREE	362816.01	0822538.97	1B	1817		298	260 52	6044
TREE	362920.89	0822347.05	1A	1599		80	37 28	6066
TREE	362912.04	0822523.71	1B	1746		227	317 9	6251
TREE	362807.02	0822538.37	1B	1774		255	252 41	6279
TREE	362858.93	0822317.22	1B	1670		151	68 0	6398

AIRPORT ELEVATION 1519

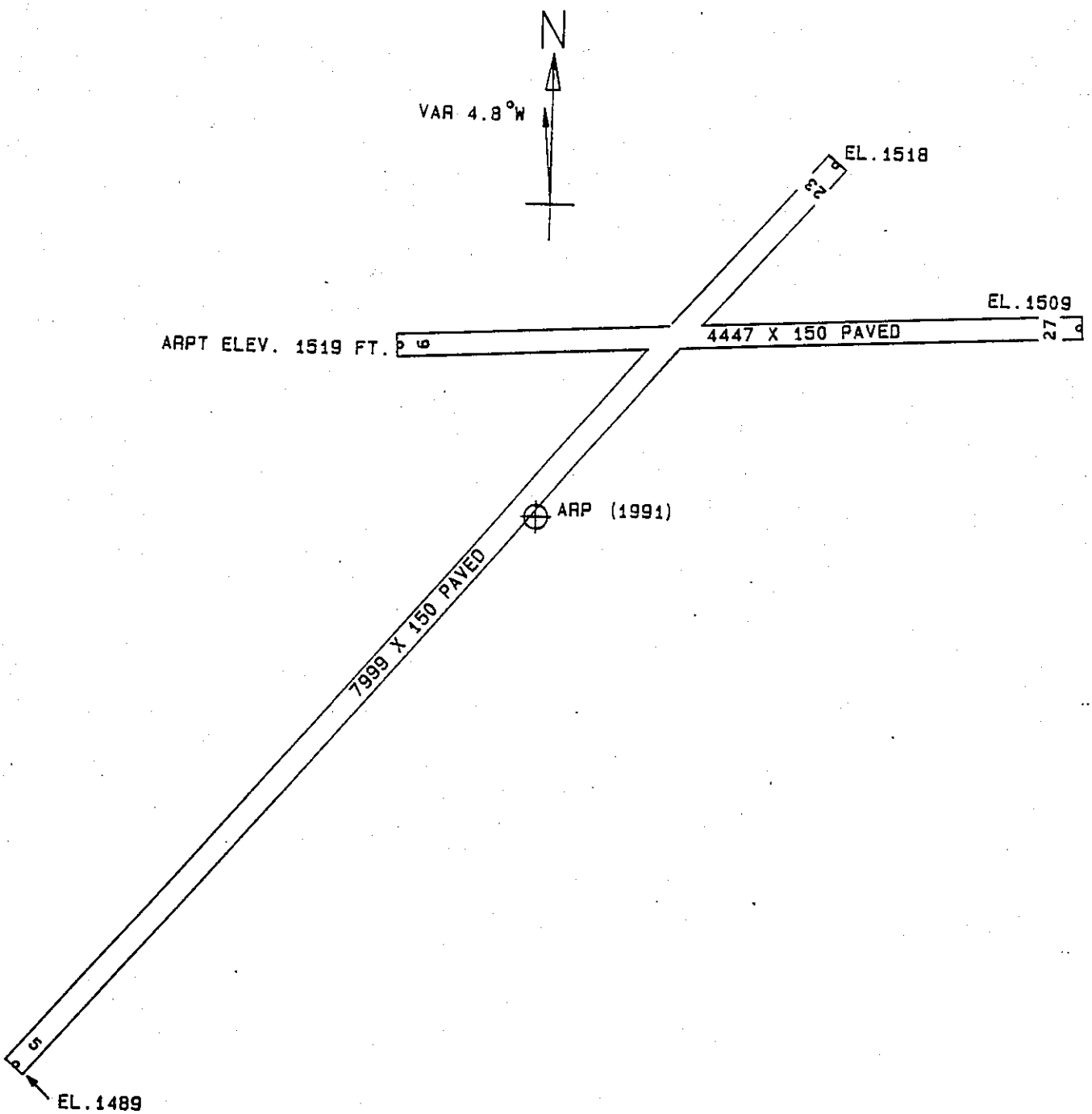
ARP 362830.399N 0822427.150W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	362926.29	0822342.88	1A	1609		90	37 24	6709
TREE	362936.65	0822419.76	1B	1708		189	9 57	6727
TREE	362921.17	0822521.19	1B	1850		331	324 7	6771
TREE	362929.56	0822346.24	1A	1644		125	33 59	6852
TREE	362756.49	0822543.54	1B	1728		209	246 1	7120
TREE	362932.84	0822514.71	1B	1873		354	333 12	7414
TREE	362909.43	0822544.96	1B	1768		249	306 39	7481
TREE	362948.47	0822435.87	1B	1790		271	359 39	7928
TREE	362746.01	0822550.14	1B	1713		194	241 18	8130
TREE	362947.47	0822502.17	1B	1941		422	344 39	8302
TREE	362740.31	0822551.44	1A	1677		158	238 28	8547
TREE	362914.08	0822558.69	1B	1707		188	305 23	8683
TREE	362942.27	0822528.89	1B	1827		308	330 3	8846
TREE	362957.17	0822456.38	1B	1961		442	349 35	9094
TREE	362857.79	0822613.68	1B	1699		180	292 28	9131
TREE	362732.92	0822555.63	1A	1645		126	236 0	9275
ANTENNA ON OL POLE	362744.99	0822607.09	1B	1723		204	245 27	9366
TREE	362705.28	0822519.65	1B	1705		186	211 17	9617
TREE	363007.93	0822442.43	1B	1959		440	357 36	9941
TREE	362816.86	0822224.73	1B	1706		187	102 35	10092
TREE	363003.82	0822333.52	1B	1740		221	29 40	10414
TREE	363005.43	0822527.70	2C	1943		424	337 35	10807
TREE	363017.20	0822432.68	1B	1964		445	2 24	10810
TREE	362927.57	0822619.35	2C	1836		317	307 3	10835
ANTENNA ON OL POLE	363009.96	0822331.93	1B	1824		305	28 55	11032
TREE	362641.44	0822414.35	1B	1750		231	179 23	11068
TREE	362649.50	0822332.71	2C	1713		194	161 15	11131
TREE	362857.39	0822639.86	1B	1798		279	288 57	11177
TREE	363013.57	0822516.92	2C	1968		449	343 31	11198
TREE	362902.70	0822211.01	1B	1688		169	78 25	11588
TREE	362849.98	0822647.17	1B	1828		309	284 38	11606
TREE	363010.19	0822309.20	1B	1712		193	37 2	11931
TREE	363029.09	0822454.61	2C	2004		485	354 13	12211

AIRPORT ELEVATION 1519

ARP 362830.399N 0822427.150W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
TREE	362842.85	0822656.00	1B	1838		319	280 44	12222
TREE	363031.61	0822415.93	1B	1921		402	9 4	12292
TREE	362753.02	0822651.77	1B	1726		207	257 4	12403
TREE	362830.87	0822709.87	2C	1810		291	275 1	13290
TREE	363037.90	0822335.60	2C	1800		281	22 53	13563
TREE	363024.44	0822255.26	2C	1732		213	37 51	13759
TREE	363046.96	0822354.53	2C	1963		444	15 43	14065
TREE	363050.26	0822526.07	2C	1865		346	346 1	14940
TREE	363058.81	0822350.50	2C	1987		468	16 4	15304



TOUCHDOWN ZONE RUNWAY	ELEVATION
5	1498
23	1518
9	1519
27	1518

TRI - CITY REGIONAL AIRPORT

BRISTOL - JOHNSON - KINGSPORT, TENNESSEE

(NOT TO SCALE)