

OBSTRUCTION DATA SHEET

**ODS 861
JACKSON COUNTY AIRPORT - REYNOLDS FIELD
JACKSON, MICHIGAN**

DIGITIZED FROM

**OC 861
SURVEYED SEPTEMBER 1990
9TH 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:

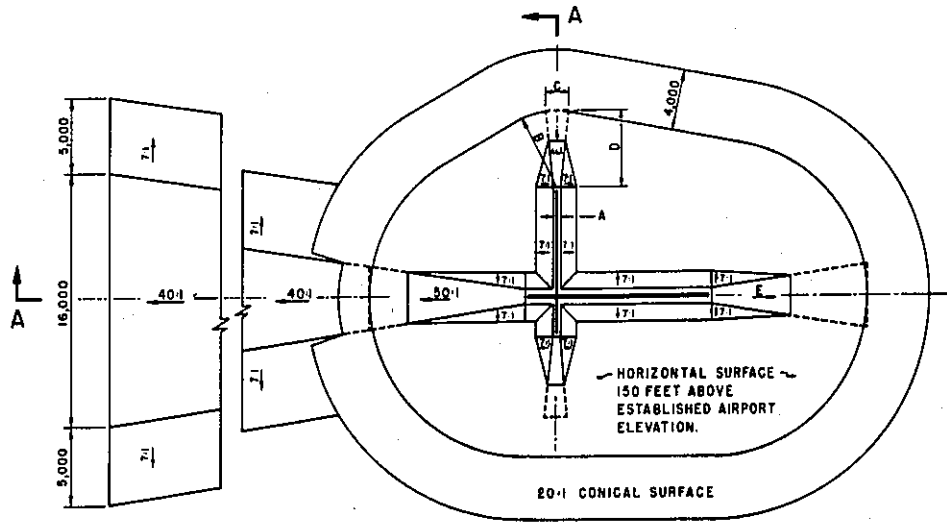
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the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

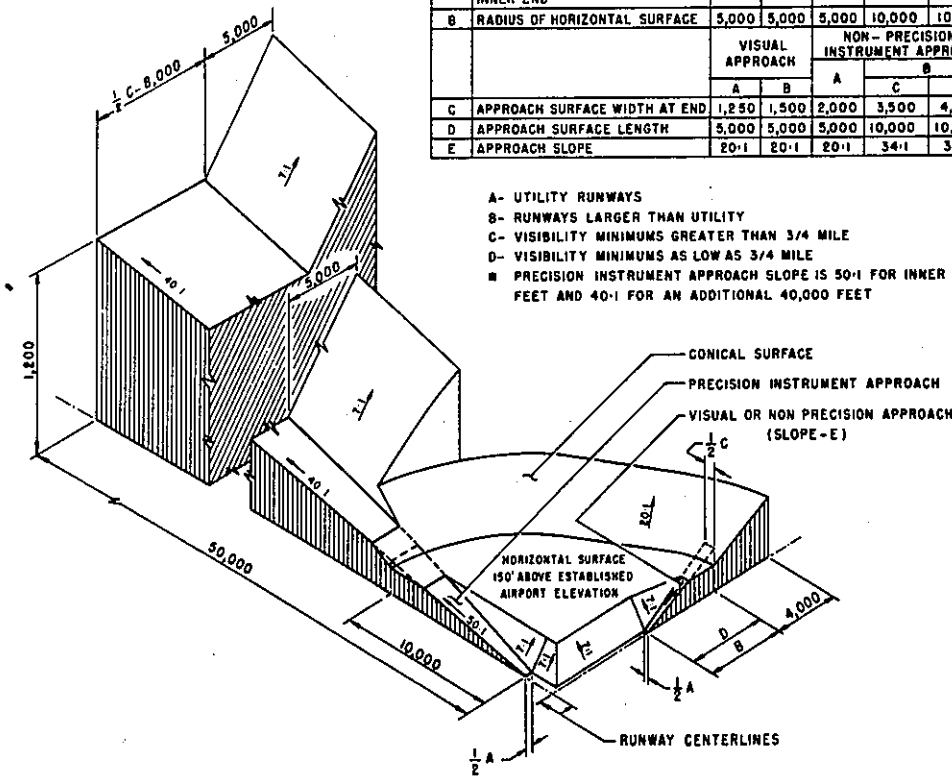
- A(V) Utility runway - visual approach only
- A(NP) Utility runway - nonprecision instrument approach
- B(V) Nonutility runway - visual approach only
- C Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
- D Nonutility runway - nonprecision instrument 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		
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	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500
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

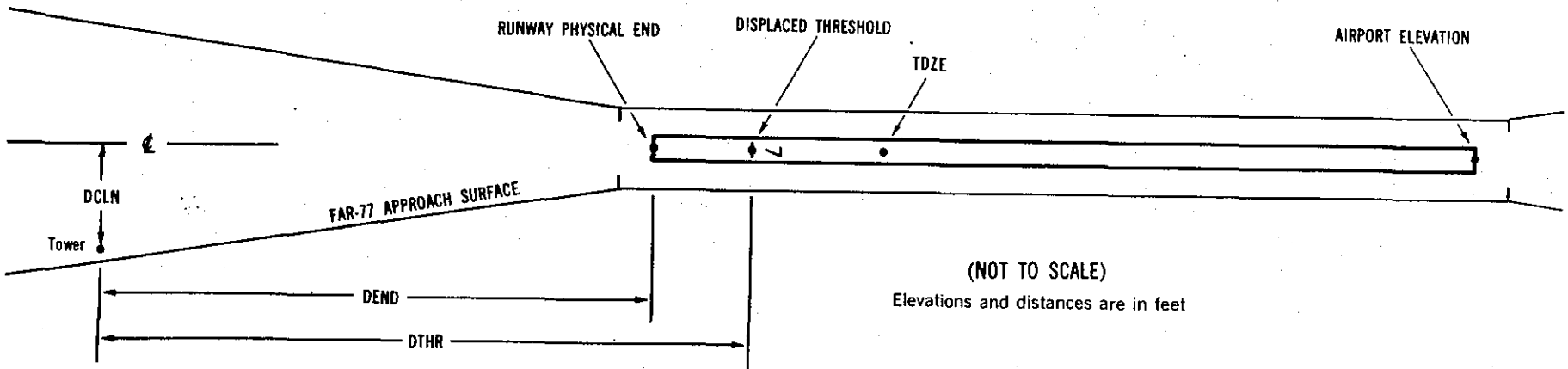
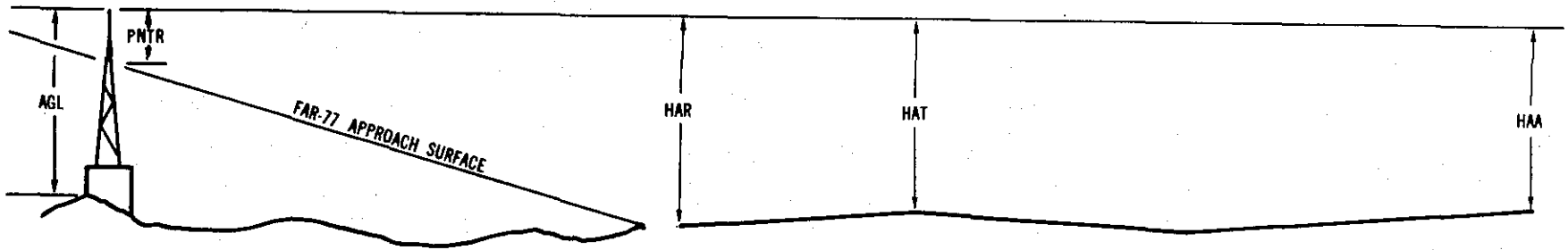
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

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
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).

OC0861

AIRPORT ELEVATION 1001

6 C 993/ 421521.833N 08428 0.235W 2305618 994/999 421524.559N 0842755.712W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GLIDE SLOPE	421551.32	0842721.86	1A	1035		42	36	34	-4122	-3684	500L	40
OL VOR/DME	421533.12	0842730.96	1A	1033		40	34	32	-2430	-1992	500R	36
CEILOMETER	421533.51	0842737.24	1A	999		6	0	-2	-2087	-1649	172R	3
BUSH	421528.92	0842755.95	1A	1003		10	4	2	-703	-265	354L	9
RAILROAD	421518.21	0842755.82	1A	1015		22	16	14	-27	411	494R	22
FENCE POST	421523.17	0842803.20	1A	1002		9	3	1	87	525	246L	9
CHIMNEY ON BUILDING	421517.78	0842757.93	1A	1022		29	23	21	124	562	428R	29
OL ON LOCALIZER	421520.96	0842801.67	1A	999		6	0	-2	139	577	0R	6
BUILDING	421517.55	0842759.47	1A	1022		29	23	21	229	667	373R	28
ROAD (N)	421519.95	0842803.41	1A	1007		14	8	6	305	743	3L	11
TREE	421516.58	0842800.76	1A	1035		42	36	34	366	804	388R	37
RAILROAD SIGNAL	421518.80	0842803.40	1A	1013		20	14	12	378	816	89R	15
POLE	421518.18	0842805.27	1A	1015		22	16	14	527	965	49R	12
TREE	421514.65	0842801.44	1A	1051		58	52	50	529	967	507R	48
TREE	421515.91	0842807.37	1A	1045		52	46	44	794	1232	127R	35
TREE	421518.29	0842813.16	1A	1044		51	45	43	981	1419	334L	28
TREE	421513.38	0842808.10	1A	1048		55	49	47	999	1437	292R	32
TREE	421510.99	0842808.07	1A	1053		60	54	52	1149	1587	481R	32
TREE	421515.94	0842814.87	1A	1042		49	43	41	1231	1669	230L	19
TREE	421516.26	0842820.04	1A	1051		58	52	50	1512	1950	501L	19
TREE	421505.98	0842813.78	1A	1079		86	80	78	1802	2240	604R	39
TREE	421507.40	0842820.71	1A	1077		84	78	76	2116	2554	164R	28

OC0861

AIRPORT ELEVATION 1001

24 PIR 990/999 421555.093N 08427 5.056W 0505655

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LOCALIZER	421520.96	0842801.67	1A	999		9	0	-2	-5483		OL	6
CHIMNEY ON BUILDING	421517.78	0842757.93	1A	1022		32	23	21	-5467		428L	29
FENCE POST	421523.17	0842803.20	1A	1002		12	3	1	-5431		246R	9
RAILROAD	421518.21	0842755.82	1A	1015		25	16	14	-5317		494L	22
BUSH	421528.92	0842755.95	1A	1003		13	4	2	-4641		354R	9
CEILOMETER	421533.51	0842737.24	1A	999		9	0	-2	-3256		172L	3
OL VOR/DME	421533.12	0842730.96	1A	1033		43	34	32	-2914		500L	36
OL ON GLIDE SLOPE	421551.32	0842721.86	1A	1035		45	36	34	-1222		500R	40
POLE	421609.21	0842655.75	1A	1012		22	13	11	1443		669R	-3
TREE	421611.40	0842648.34	1A	1027		37	28	26	2016		490R	1
TREE	421605.84	0842637.77	1A	1034		44	35	33	2279		448L	2
TREE	421605.22	0842631.61	1A	1049		59	50	48	2599		788L	11
TREE	421618.98	0842640.18	1A	1051		61	52	50	2976		699R	5
ANTENNA ON OL TOWER	421639.20	0842556.13	1A	1127		137	128	126	6837		203R	4

14 A(NP) 986/1001 421541.758N 0842752.993W 3131742

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD (N)	421516.92	0842717.52	1A	1014		28	13	13	-3666		OR	15
LIGHT STANDARD	421515.88	0842719.63	1A	1019		33	18	18	-3622		185R	20
ROAD (N)	421516.91	0842722.22	1A	1015		29	14	14	-3409		243R	16
GROUND	421521.10	0842727.67	1A	1004		18	3	3	-2820		216R	3
CEILOMETER	421533.51	0842737.24	1A	999		13	-2	-2	-1435		205L	4
TREE	421548.78	0842807.83	1A	1022		36	21	21	1299		248R	-19
TREE	421553.96	0842813.44	1A	1044		58	43	43	1966		155R	-30
TREE	421556.38	0842824.31	1A	1063		77	62	62	2729		538R	-49

OC0861

AIRPORT ELEVATION 1001

32 A(NP) 999/ 421518.045N 0842719.118W 1331805 1000/1001 421520.184N 0842722.174W

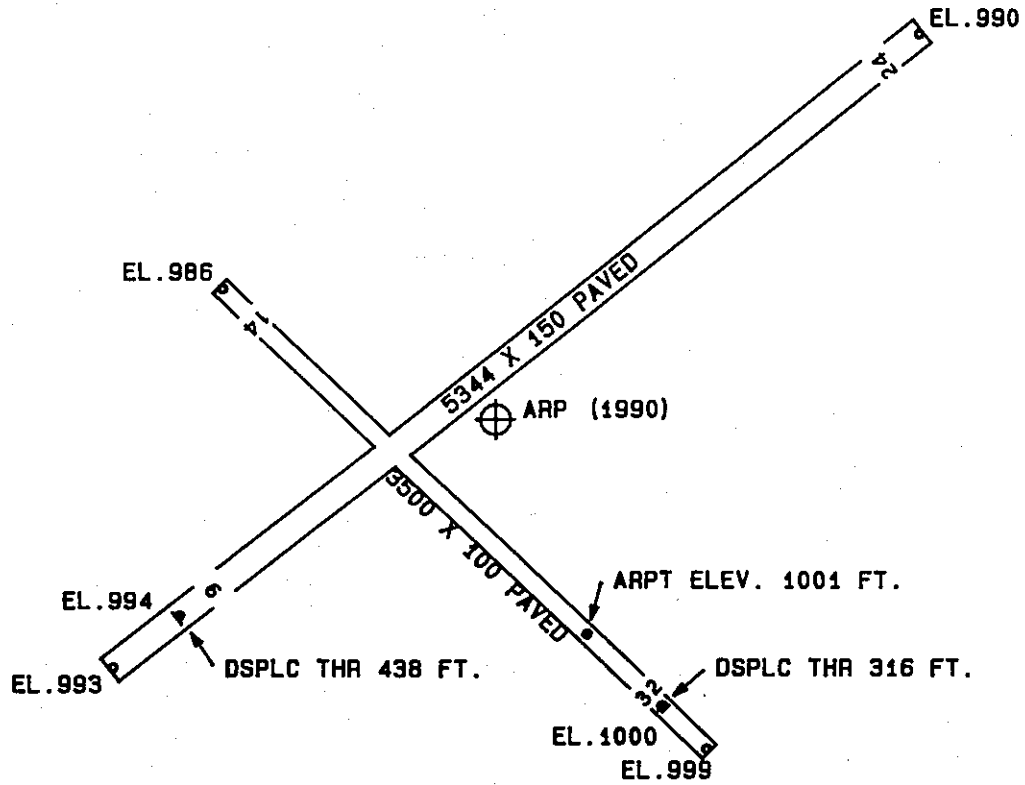
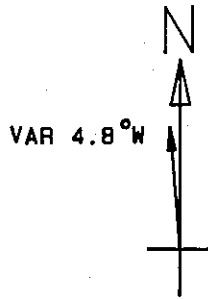
OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
CEILOMETER	421533.51	0842737.24	1A	999		0	-2	-2	-2066	-1750	205R	4
GROUND	421521.10	0842727.67	1A	1004		5	3	3	-680	-364	216L	3
ROAD (N)	421516.91	0842722.22	1A	1015		16	14	14	-91	225	243L	16
LIGHT STANDARD	421515.88	0842719.63	1A	1019		20	18	18	122	438	185L	20
ROAD (N)	421516.92	0842717.52	1A	1014		15	13	13	165	481	0L	15
TREE	421515.08	0842716.83	1A	1036		37	35	35	331	647	101L	30
TREE	421514.70	0842714.14	1A	1034		35	33	33	504	820	11R	20
STACK ON BUILDING	421514.11	0842712.83	1A	1021		22	20	20	617	933	35R	1
PIPE ON BILLBOARD	421515.58	0842710.32	1A	1020		21	19	19	653	969	272R	-2
TREE	421509.59	0842713.60	1A	1048		49	47	47	889	1205	338L	15
TREE	421511.93	0842710.60	1A	1048		49	47	47	891	1207	11L	14
TREE	421508.94	0842710.71	1A	1059		60	58	58	1092	1408	237L	15
TREE	421511.02	0842703.55	1A	1083		84	82	82	1340	1656	285R	27
TREE	421509.03	0842704.23	1A	1073		74	72	72	1441	1756	104R	12
OL ON TANK	421507.30	0842656.49	1A	1107		108	106	106	1984	2300	376R	19
TREE	421458.28	0842700.89	1A	1103		104	102	102	2370	2686	515L	-5
ANTENNA	421505.62	0842649.76	1A	1111		112	110	110	2470	2785	599R	-1
TREE	421457.20	0842655.56	1A	1113		114	112	112	2737	3052	320L	-13

OC0861

AIRPORT ELEVATION 1001

ARP 421535.075N 0842733.996W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE
OL ON LIGHTED WINDSOCK	421541.24	0842743.08	1A	1017		16	317	13	925
ANTENNA & APBN ON OL ATCT	421522.53	0842737.05	1A	1063		62	195	2	1291
OL ON HANGAR	421520.06	0842728.76	1A	1034		33	170	16	1570
SIGN	421541.53	0842714.52	1A	1015		14	70	45	1604
LIGHT STANDARD	421516.41	0842723.27	1A	1026		25	161	41	2054
TREE	421544.61	0842709.86	1A	1023		22	66	48	2056
LIGHT STANDARD	421514.66	0842719.74	1A	1024		23	157	23	2328
TREE	421514.25	0842750.69	1A	1078		77	215	35	2454
TREE	421514.48	0842757.50	1A	1053		52	225	5	2734
TREE	421549.06	0842702.71	1A	999		-2	63	45	2746
TREE	421515.22	0842706.38	1A	1074		73	138	51	2890
TREE	421556.35	0842800.85	1A	1061		60	321	39	2952
TREE	421550.40	0842817.64	1A	1062		61	300	7	3630
TREE	421505.57	0842807.02	1A	1086		85	224	33	3885
TREE	421621.55	0842643.08	1A	1060		59	43	56	6065
ANTENNA	421624.83	0842643.82	1A	1075		74	41	38	6293



TOUCHDOWN ZONE RUNWAY ELEVATION	
6	999
24	999
14	1001
32	1001

JACKSON COUNTY AIRPORT - REYNOLDS FIELD
 JACKSON, MICHIGAN
 (NOT TO SCALE)