

OBSTRUCTION DATA SHEET

**ODS 5083
LAKE CHARLES REGIONAL AIRPORT
LAKE CHARLES, LOUISIANA**

DIGITIZED FROM

**OC 5083
SURVEYED JANUARY 1991
9TH 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:

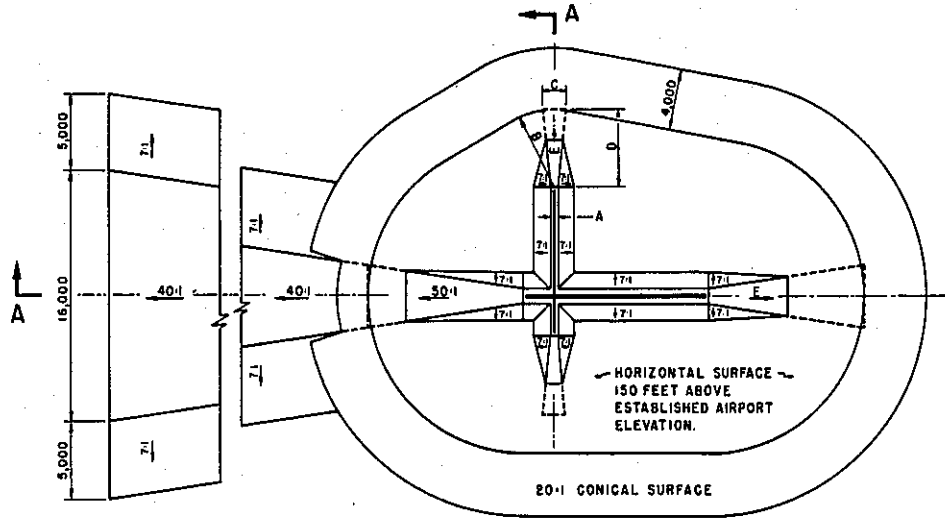
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the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

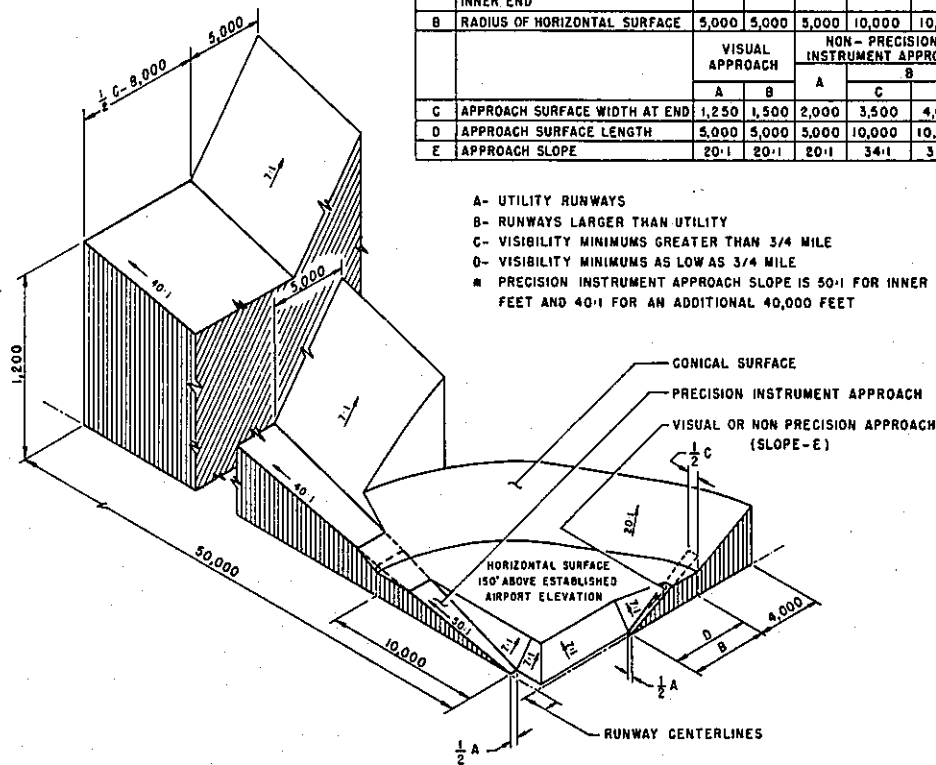
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

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	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	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

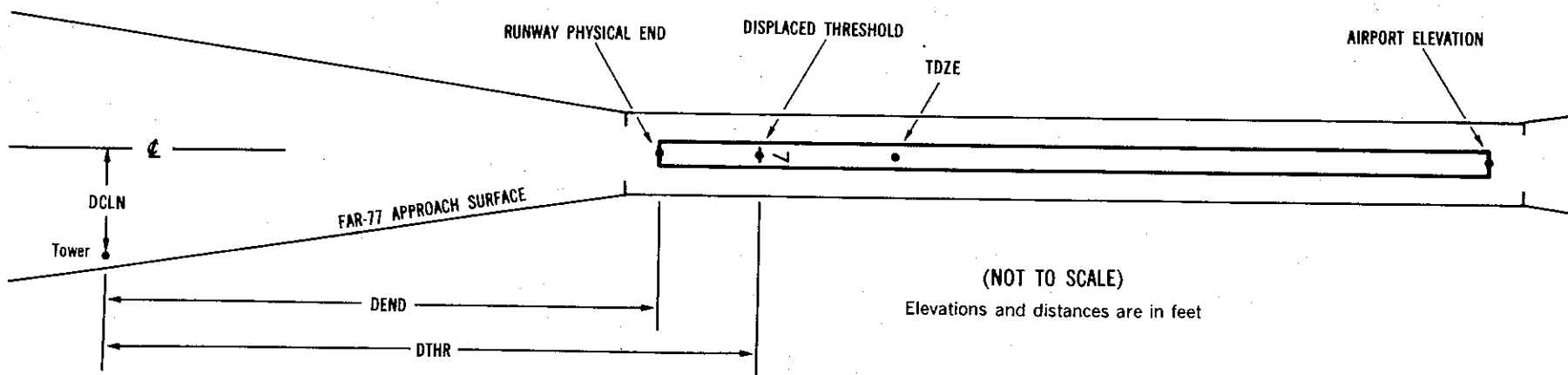
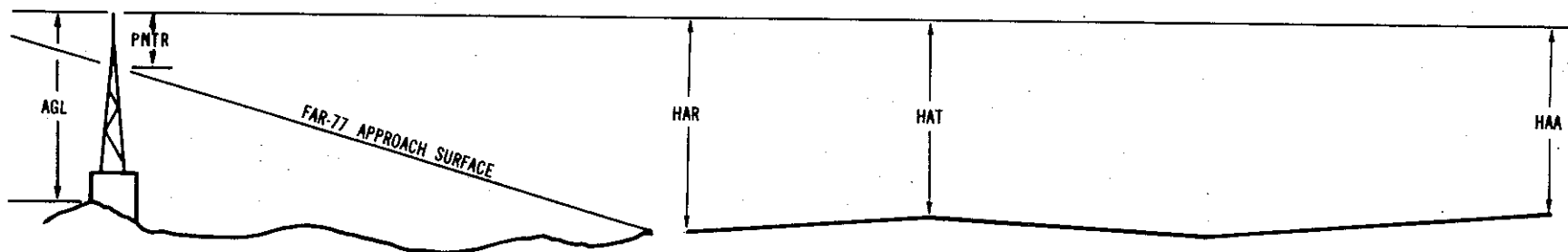
ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

x¹ x² XXXX/XXXX³ XXXXXX.XXX⁴ XXXXXXXX.XXX⁴ XXXXXXXX⁵ XXXX/XXXX⁶ XXXXXX.XXX⁷ XXXXXXXX.XXX⁷

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 15

5 C 13/14 300746.757N 0931339.353W 2315358

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE POST	300744.16	0931345.71	1A	13		0	-1	-2	601		138L	-12
POLE	300739.22	0931355.61	1A	44		31	30	29	1593		282L	-10
TREE	300734.63	0931351.57	1A	46		33	32	31	1600		302R	-8
TREE	300732.69	0931352.66	1A	55		42	41	40	1796		397R	-5
POLE	300734.04	0931355.58	1A	50		37	36	35	1914		132R	-13
TREE	300728.32	0931356.97	1A	81		68	67	66	2367		511R	4
TREE	300728.28	0931400.38	1A	87		74	73	72	2605		330R	3
TREE	300729.78	0931402.52	1A	62		49	48	47	2660		94R	-23
TREE	300728.12	0931408.53	1A	73		60	59	58	3178		100L	-28

23 C 15/15 300813.630N 0931259.924W 0515418

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
RADAR REFLECTOR	300816.99	0931254.98	1A	26		11	11	11	551		1L	1
POLE	300815.46	0931251.44	1A	29		14	14	14	700		314L	-1
ROAD (N)	300821.24	0931255.00	1A	31		16	16	16	814		338R	-2
POLE	300829.60	0931242.48	1A	46		31	31	31	2201		324R	-28
TREE	300827.56	0931239.87	1A	51		36	36	36	2254		21R	-24

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AIRPORT ELEVATION 15

15 PIR 12/12 300742.666N 0931339.956W 3344122

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL WINDSOCK	300720.09	0931331.04	1A	40		28	28	25	-2397		267R	28
ROD ON OL GLIDE SLOPE	300731.64	0931339.30	1A	53		41	41	38	-1031		424R	41
FENCE POST	300744.16	0931345.71	1A	13		1	1	-2	352		392R	-2
TREE	300746.96	0931347.91	1A	24		12	12	9	691		446R	2
TREE	300748.87	0931347.13	1A	29		17	17	14	836		301R	4
TREE	300750.98	0931352.32	1A	44		32	32	29	1224		622R	12
TREE	300757.74	0931339.59	1A	42		30	30	27	1363		680L	7
POLE	300802.03	0931344.96	1A	46		34	34	31	1956		439L	-1
POLE	300800.21	0931355.68	1A	49		37	37	34	2192		491R	-3
TREE	300828.59	0931406.72	1A	84		72	72	69	5199		141R	-28

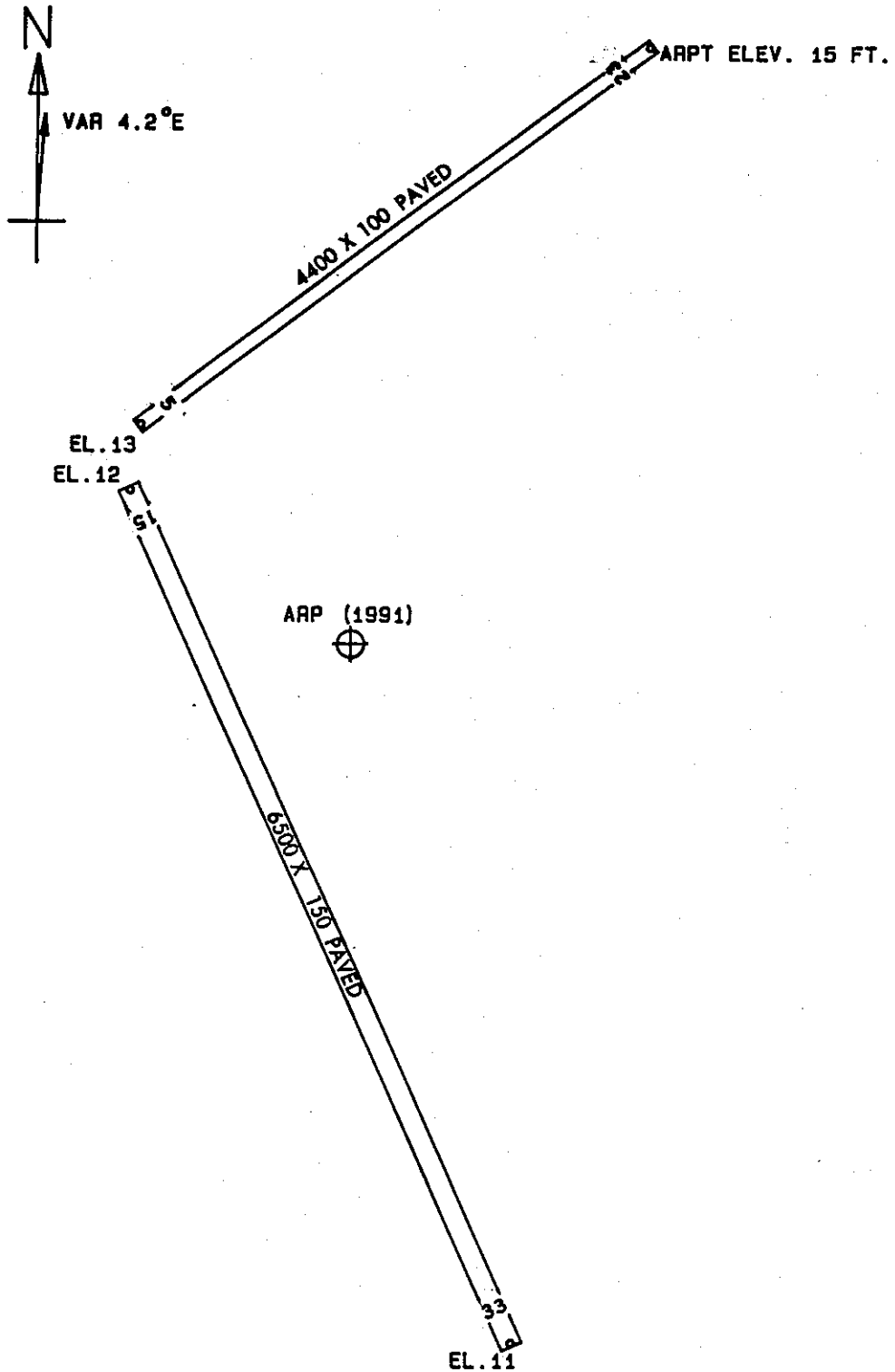
33 D 11/12 300644.503N 09313 8.320W 1544138

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GLIDE SLOPE	300731.64	0931339.30	1A	53		42	41	38	-5468		424L	41
OL WINDSOCK	300720.09	0931331.04	1A	40		29	28	25	-4103		267L	28
OL ON LOCALIZER	300632.24	0931301.66	1A	16		5	4	1	1370		0L	-29
OL ON DME	300633.41	0931258.48	1A	27		16	15	12	1382		302R	-19
TREE	300634.45	0931255.95	1A	30		19	18	15	1382		548R	-16
TREE	300626.81	0931248.26	1A	61		50	49	46	2369		829R	-14
TREE	300623.68	0931253.57	1A	55		44	43	40	2456		272R	-22

AIRPORT ELEVATION 15

ARP 300732.400N 0931322.321W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
SIGN ON HANGAR	300732.63	0931318.89	1A	62		47	81 19	302
ANTENNA & APBN ON OL ATCT	300728.60	0931317.04	1A	97		82	125 26	602
FLOODLIGHT	300719.19	0931311.44	1A	46		31	140 12	1641
TREE	300732.21	0931341.21	1A	34		19	265 8	1659
TREE	300734.04	0931343.86	1A	39		24	270 48	1899
TOWER (NE OF 4)	300730.42	0931347.30	1A	61		46	260 35	2203
TREE	300752.99	0931336.96	1A	26		11	324 5	2445
ANTENNA ON OL MAST	300729.28	0931253.87	1B	125		110	92 59	2518
TREE	300745.45	0931350.05	1A	28		13	294 13	2769
ROD ON WINDSOCK	300802.07	0931322.79	1A	34		19	355 0	2997
POLE	300741.79	0931355.62	1A	46		31	283 46	3074
TREE	300749.80	0931354.34	1A	48		33	297 49	3317
TREE	300659.02	0931323.02	1A	30		15	176 50	3372
TREE	300654.51	0931321.65	1A	48		33	174 55	3828
TREE	300809.95	0931311.54	1A	30		15	9 48	3910
ANTENNA	300810.75	0931256.80	1A	23		8	25 51	4476
TREE	300643.63	0931315.48	1A	30		15	168 51	4963
ANTENNA ON ASR	300647.05	0931259.14	1A	54		39	151 50	5014
WIRE ON POLE	300815.10	0931248.79	1A	49		34	30 7	5222
WIRE ON POLE	300821.69	0931257.85	1A	50		35	19 9	5424
ANTENNA ON OL BUILDING	300812.54	0931240.82	1A	130		115	37 45	5452
TREE	300637.48	0931314.68	1A	38		23	168 54	5589
TREE	300614.21	0931306.36	1A	65		50	165 44	8023



TOUCHDOWN ZONE RUNWAY ELEVATION	
5	14
23	15
15	12
33	12

LAKE CHARLES REGIONAL AIRPORT
 LAKE CHARLES, LOUISIANA
 (NOT TO SCALE)