Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 11/24/2009	Task #: 2009112420347952001	Request #: 20091124203479
Procedure: ILS OR LOC RWY 35L AMDT 2		Airport ID: KFWS	Airport: FORT WORTH SPINKS		Reimbursable #:
City: FORT WORTH	ST: TX	GPS #:		Estimated Chart Date: 04/05/2012	FICO #:
Fac ID: JZW	Fac. Type: ILS		Specialist: AISHAT NAUZO		

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	08/31/2011	01/19/2012	JILL OLSON	P3
QA:	01/19/2012	01/20/2012	SCOTT BEARD	
Liaison:	01/20/2012		Terrell	

Procedure Comments: **Remark Type:** INFORMATION

pkg 1 of 3

FORT WORTH, TX FORT WORTH SPINKS (KFWS) ILS OR LOC RWY 35L, AMDT 2 ENROUTE-NO FC: 2.21.12 PUB: 4.5.12

ATTACHED FORMS: ESV REPORTS; 8260-3; 8260-10; 8260-9; 8260-2(S): LEEON, REV 2; MIKKL (JZ) OM, REV 2; SLUGG-INT, REV 3.

CONTACT: JOSE ALFONSO/STEVE BARNETT, AJV-353 LEADS, 405.954.6378/9568:

ILS or LOC RWY 35L
FORT WORTH SPINKS (FWS)

LOC I-JZW	APP CRS	Rwy Idg	6002
110.95	353°	THRE	689
		Apt Elev	700

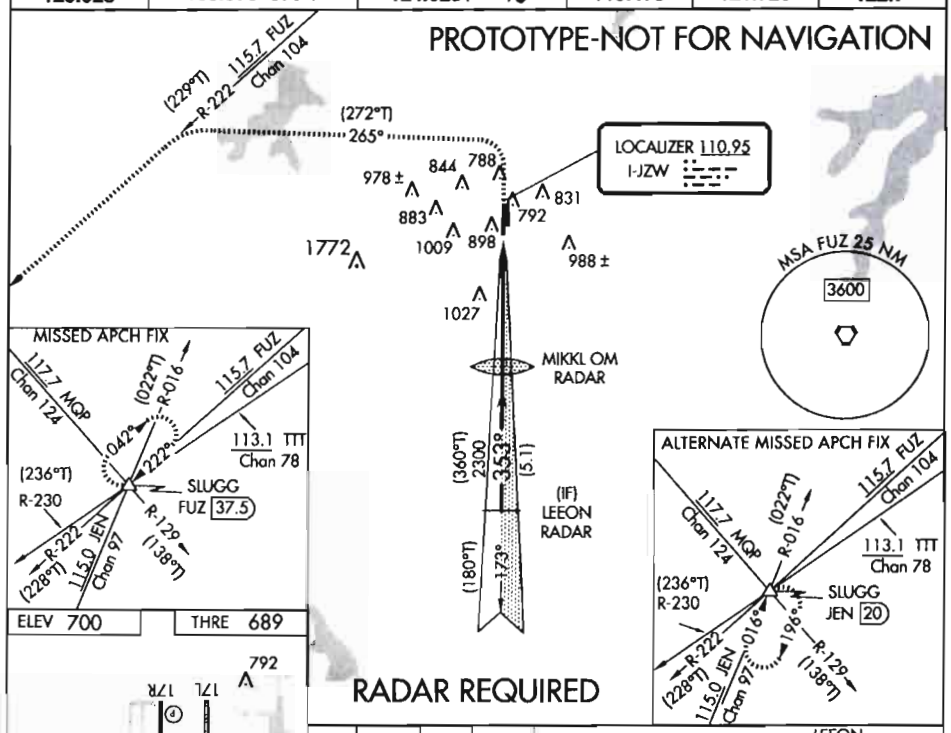
Circling NA west of Rwy 17R-35L. When local altimeter setting not received, use Fort Worth Meacham altimeter setting and increase all DA 37 feet and all MDA 40 feet, increase S-LOC 35L Cat C/D visibility and increase Circling Cat C visibility ⅛ mile. For inoperative MALSR increase S-LOC 35L Cat C/D visibility to 1¾ . For inoperative MALSR when using Fort Worth Meacham altimeter setting increase S-LOC 35L Cat C/D visibility to 1⅞ .

MALSR

MISSED APPROACH: Climb to 1800 then climbing left turn to 3100 on heading 265° and FUZ VORTAC R-222 to SLUGG INT/FUZ 37.5 DME and hold.

AWOS-3	REGIONAL APP CON	SPINKS TOWER *	GND CON	GCO	UNICOM
120.025	135.975 379.9	124.625 (CTAF)	119.475	121.725	122.7

PROTOTYPE-NOT FOR NAVIGATION



FAF to MAP 4.8 NM					
Knots	60	90	120	150	180
Min:Sec	4:48	3:12	2:24	1:55	1:36

CATEGORY	A	B	C	D
S-ILS 35L	889-½ 200 (200-½)			
S-LOC 35L	1320-½ 631 (700-½)		1320-1⅜ 631 (700-1⅜)	
CIRCLING	1320-1 620 (700-1)		1320-1¾ 620 (700-1¾)	1320-2 620 (700-2)

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : MAVERICK VOR/DME	City : DALLAS FORT WORTH	Ident : TTT	State : TX
Type/Class : H-VOR	Frequency : M113.1	Reference No.: 11128189	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 970052-029	230	0	43	40	151

Requirement: FIX SLUGG ON KFWS ILS OR LOC RWY 35L.		
Signature: nauzo aishat	Routing Symbol:	Date: 12/21/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 970052-029	230	0	43	40	151	APPROVE

Requirement/Remarks: FIX SLUGG ON KFWS ILS OR LOC RWY 35L.APPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: gazi abdullahil	Routing Symbol:	Date: 12/22/2011

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 970052-029	230	0	43	40	151	APPROVE

Requirement/Remarks: FIX SLUGG ON KFWS ILS OR LOC RWY 35L.APPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: Hughes Dennis	Routing Symbol:	Date: 12/22/2011

Expanded Service Volume Data: (FIFO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 970052-029	230	0				

Requirement/Remarks:		
Signature:	Routing Symbol:	Date:

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : MAVERICK VOR/DME	City : DALLAS FORT WORTH	Ident : TTT	State : TX
Type/Class : DME	Frequency : M1165	Reference No.: 11128190	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
FAA 970053-031	230	0	43	40	151

Requirement: FIX SLUGG ON KFWS ILS OR LOC RWY 35L		
Signature: nauzo aishat	Routing Symbol:	Date: 12/21/2011

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 970053-031	230	0	43	40	151	APPROVE

Requirement/Remarks: FIX SLUGG ON KFWS ILS OR LOC RWY 35LAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: gazi abdullahil	Routing Symbol:	Date: 12/22/2011

Expanded Service Volume Data: (Super FMO)

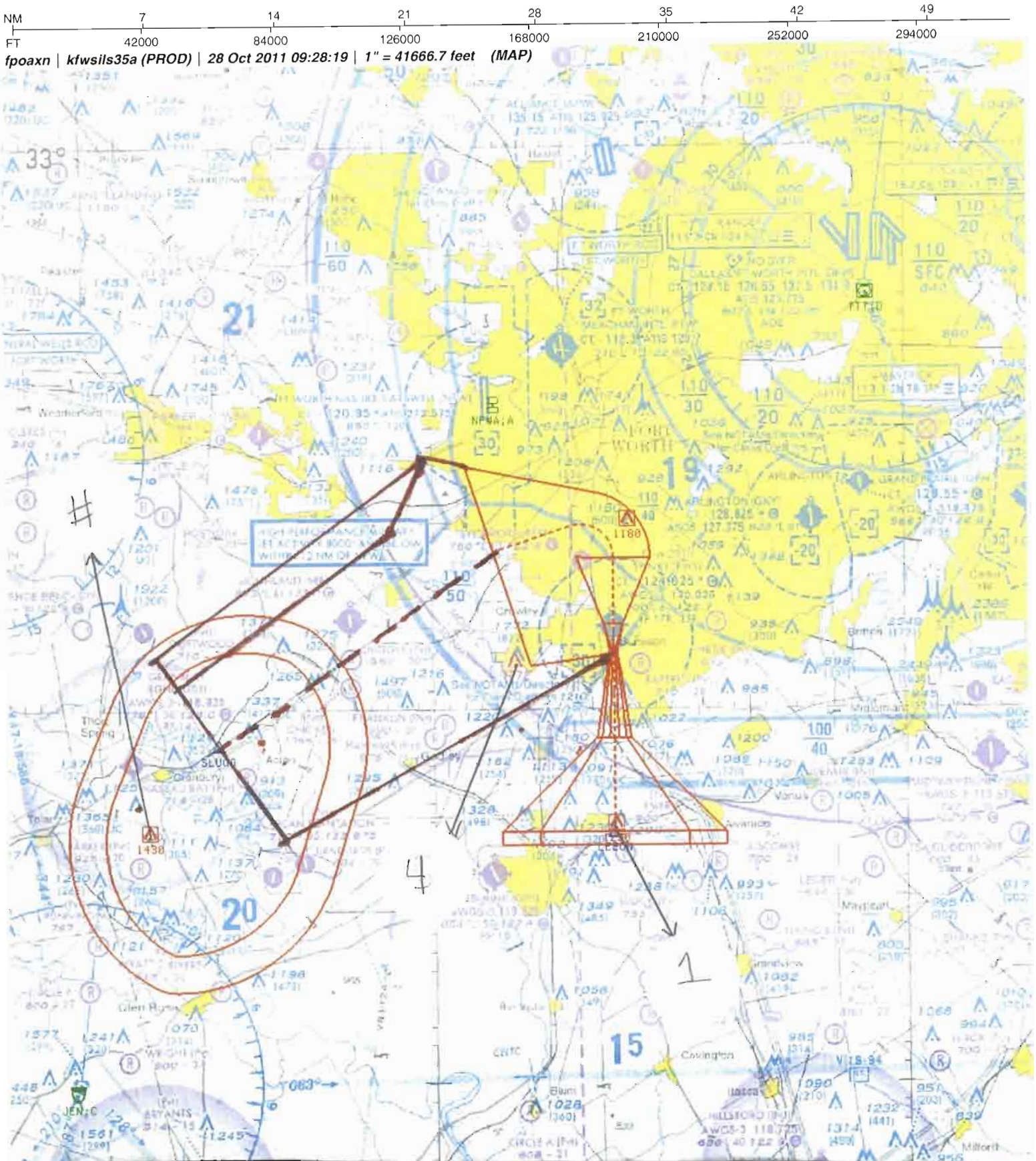
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 970053-031	230	0	43	40	151	APPROVE

Requirement/Remarks: FIX SLUGG ON KFWS ILS OR LOC RWY 35LAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: Hughes Dennis	Routing Symbol:	Date: 12/22/2011

Expanded Service Volume Data: (FIFO)

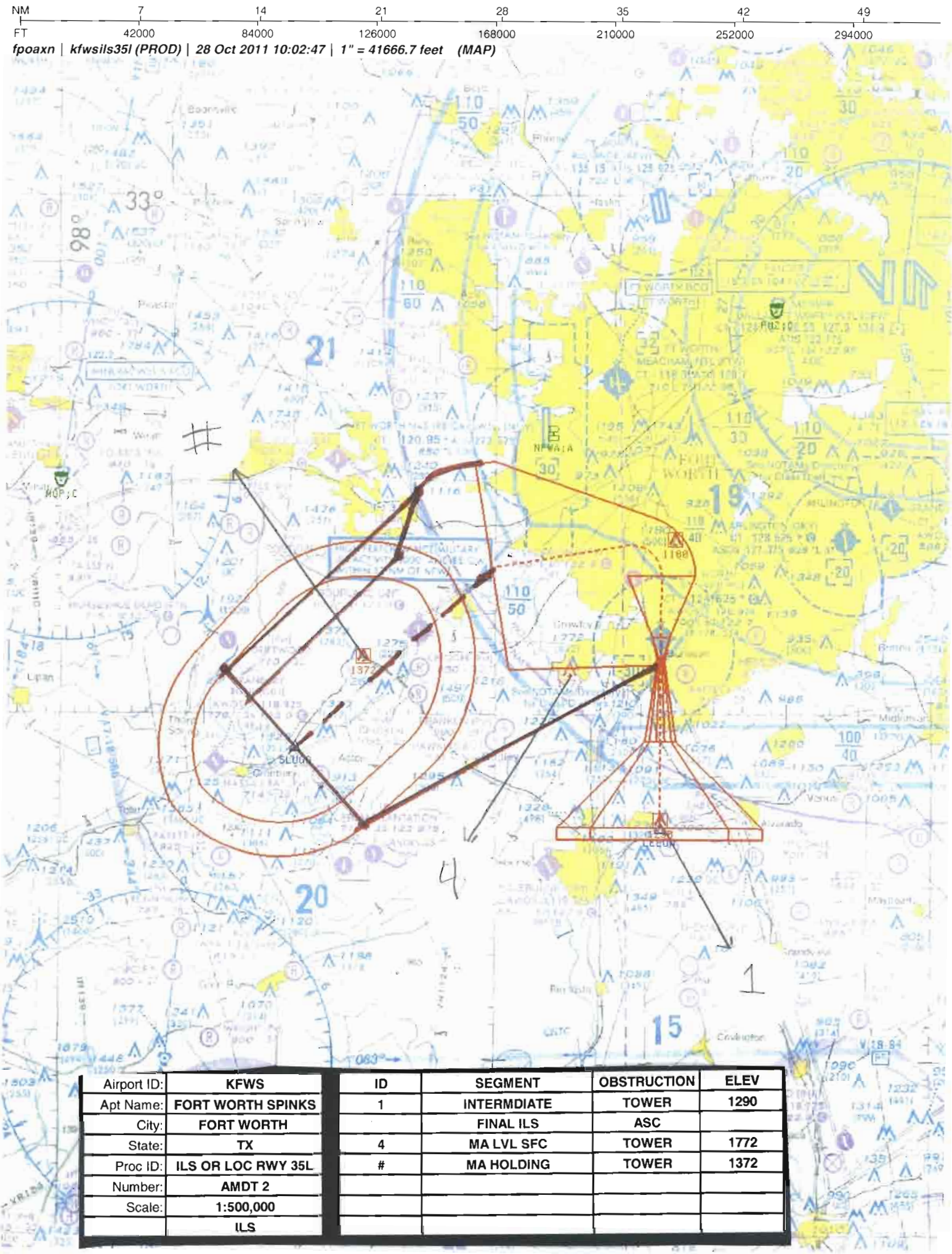
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
FAA 970053-031	230	0				

Requirement/Remarks:		
Signature:	Routing Symbol:	Date:



Airport ID:	KFWS
Apt Name:	FORT WORTH SPINKS
City:	FORT WORTH
State:	TX
Proc ID:	ILS OR LOC RWY 35L
Number:	AMDT 2
Scale:	1:500,000
	ILS ALT. MA

ID	SEGMENT	OBSTRUCTION	ELEV
1	INTERMDIATE	TOWER	1290
	FINAL ILS	ASC	
4	MA LVL SFC	TOWER	1772
#	MA HOLDING	TOWER	1430



Airport ID:	KFWS
Apt Name:	FORT WORTH SPINKS
City:	FORT WORTH
State:	TX
Proc ID:	ILS OR LOC RWY 35L
Number:	AMDT 2
Scale:	1:500,000
	ILS

ID	SEGMENT	OBSTRUCTION	ELEV
1	INTERMDIATE	TOWER	1290
	FINAL ILS	ASC	
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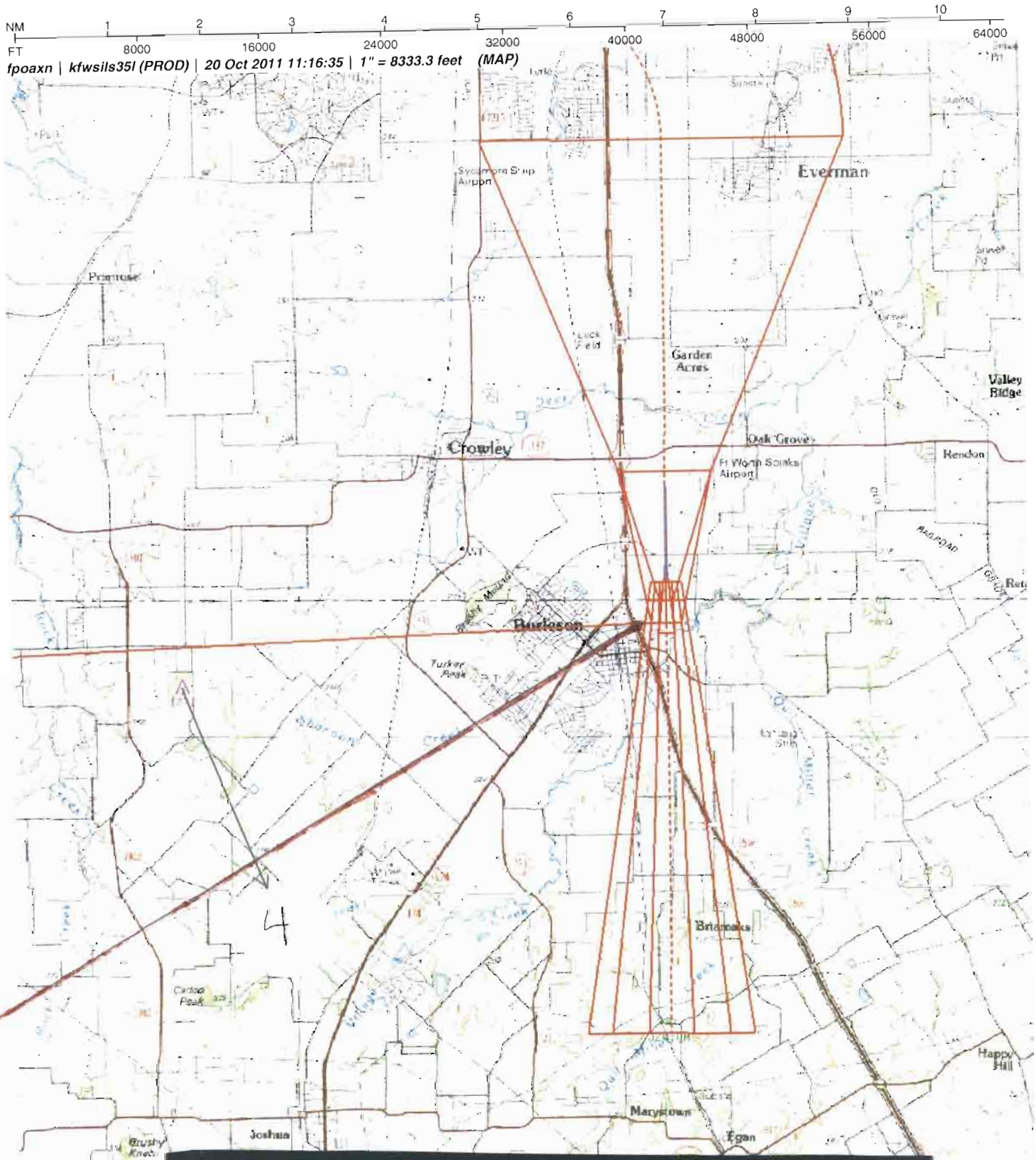
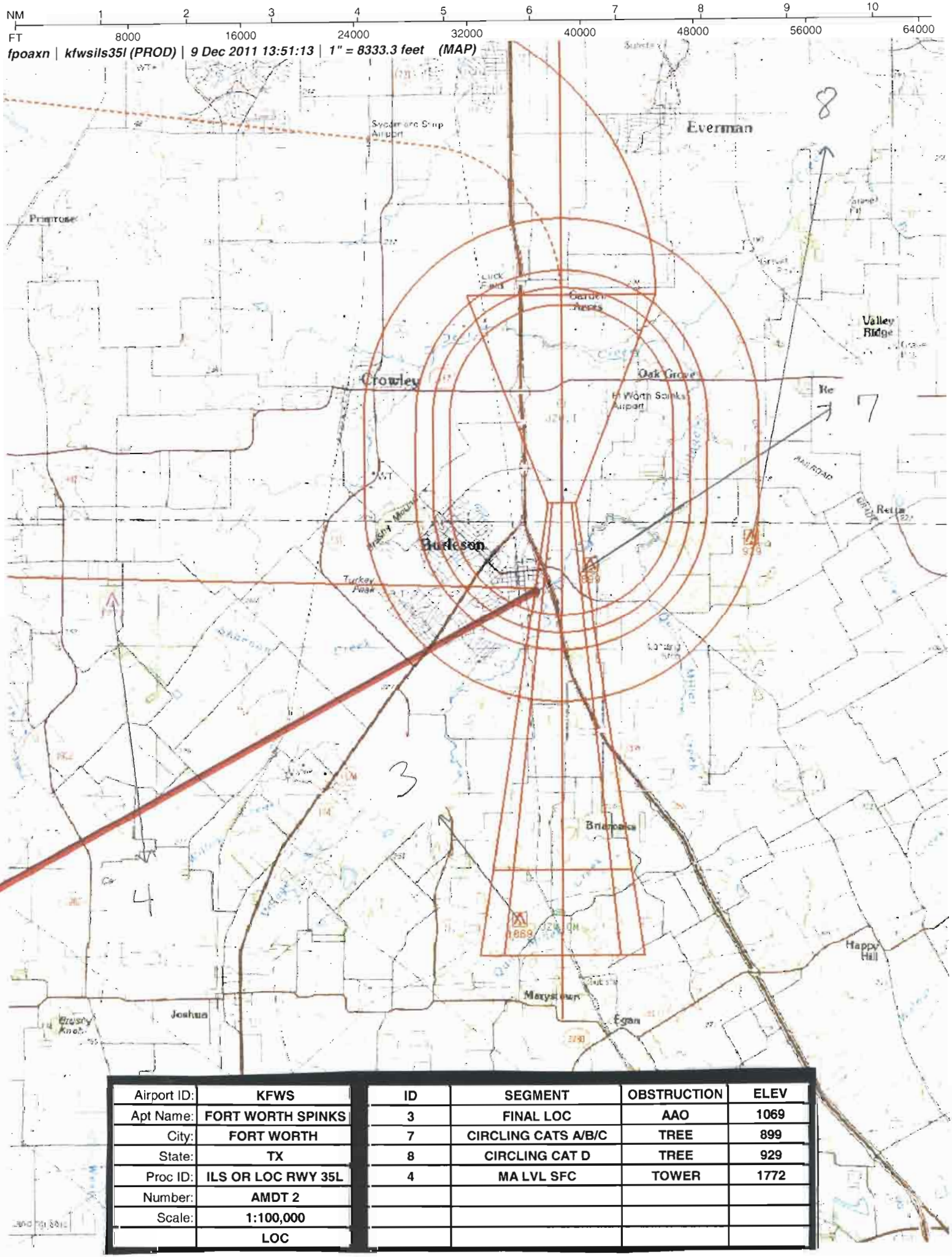
#	MA HOLDING	TOWER	1372



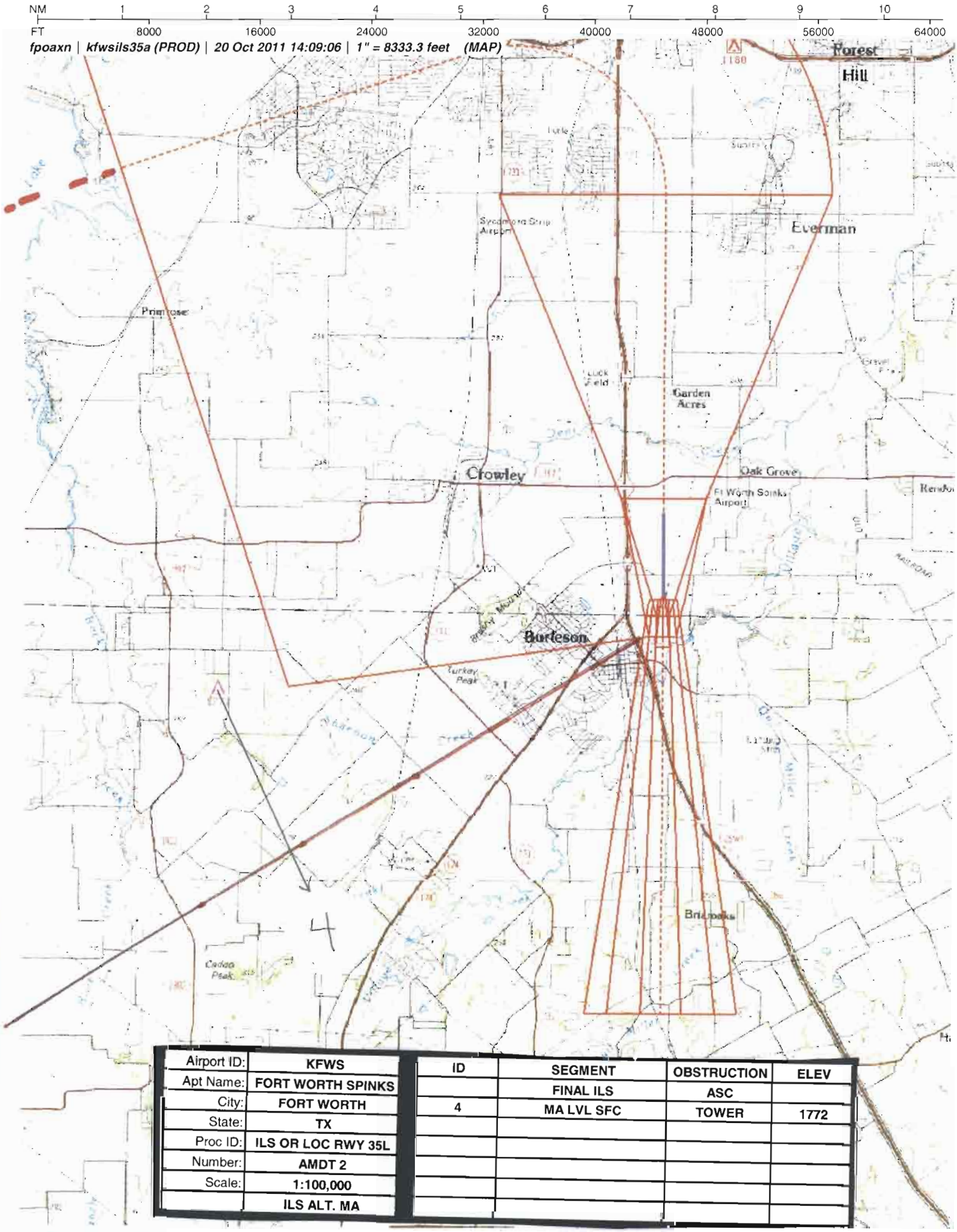
Airport ID:	KFWS
Apt Name:	FORT WORTH SPINKS
City:	FORT WORTH
State:	TX
Proc ID:	ILS OR LOC RWY 35L
Number:	AMDT 2
Scale:	1:100,000
	ILS

ID	SEGMENT	OBSTRUCTION	ELEV
	FINAL ILS	ASC	
4	MA LVL SFC	TOWER	1772



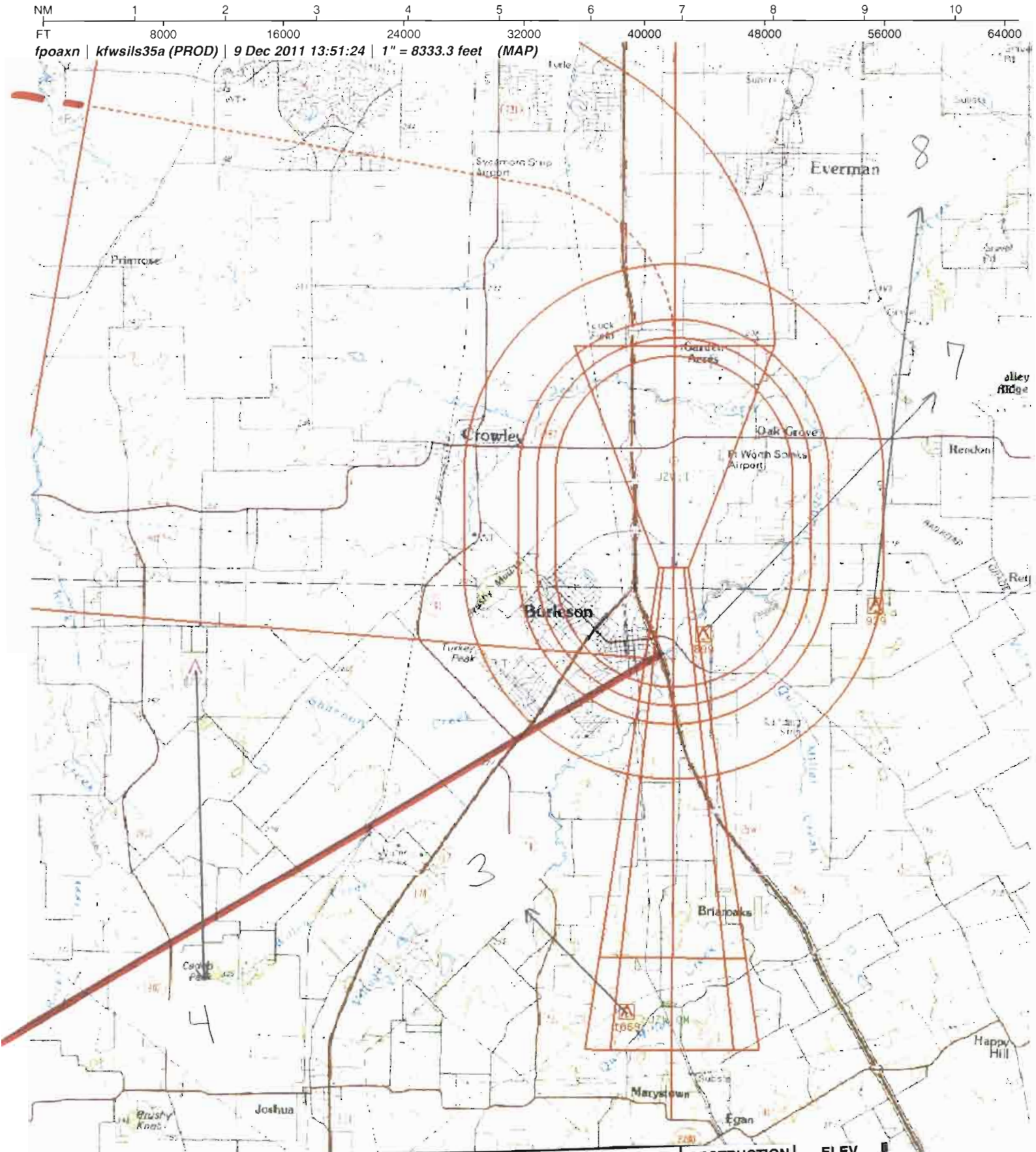
Airport ID:	KFWS
Apt Name:	FORT WORTH SPINKS
City:	FORT WORTH
State:	TX
Proc ID:	ILS OR LOC RWY 35L
Number:	AMDT 2
Scale:	1:100,000
	LOC

ID	SEGMENT	OBSTRUCTION	ELEV
3	FINAL LOC	AAO	1069
7	CIRCLING CATS A/B/C	TREE	899
8	CIRCLING CAT D	TREE	929
4	MA LVL SFC	TOWER	1772



Airport ID:	KFWS
Apt Name:	FORT WORTH SPINKS
City:	FORT WORTH
State:	TX
Proc ID:	ILS OR LOC RWY 35L
Number:	AMDT 2
Scale:	1:100,000
	ILS ALT. MA

ID	SEGMENT	OBSTRUCTION	ELEV
	FINAL ILS	ASC	
4	MA LVL SFC	TOWER	1772



Airport ID:	KFWS
Apt Name:	FORT WORTH SPINKS
City:	FORT WORTH
State:	TX
Proc ID:	ILS OR LOC RWY 35L
Number:	AMDT 2
Scale:	1:100,000
	LOC ALT. MA

ID	SEGMENT	OBSTRUCTION	ELEV
3	FINAL LOC	AAO	1069
7	CIRCLING CATS A/B/C	TREE	899
8	CIRCLING CAT D	TREE	929
4	MA LVL SFC	TOWER	1772

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LEEON RADAR (IF)	MIKKL OM/RADAR	353.11 / 5.14 (I-JZW)	2300

MISSED APPROACH

ILS: DA
LOC: 4.76 MILES AFTER MIKKL OM/RADAR

CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 3100 ON HEADING 265 AND FUZ VORTAC R-222 TO SLUGG INT/FUZ 37.50 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 3100 ON HEADING 265 ON TTT VOR/DME R-230 TO SLUGG INT/JEN 20.02 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 221.97 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S SLUGG INT/JEN 20.02 DME, RT, 016.27 INBOUND.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT LEEON
3. FAC: 353.11 FAF: MIKKL OM/RADAR DIST FAF TO MAP: 4.76 THLD: 4.76
4. MIN. ALT: LEEON 2300, MIKKL OM 2300
5. DIST TO THLD FROM OM: 4.76 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 900
6. MIN GS INCPT: 2300 GS ALT AT: - OM: 2278 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 50.3
8. MSA FROM: FUZ VORTAC 3600

MAG VAR: 7E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 35L	889	1/2	200	889	1/2	200	889	1/2	200	889	1/2	200			
S-LOC 35L	1320	1/2	631	1320	1/2	631	1320	1 3/8	631	1320	1 3/8	631			
CIRCLING	1320	1	620	1320	1	620	1320	1 3/4	620	1320	2	620			

NOTES:
CHART NOTE: CIRCLING NA W OF RWY 17R-35L.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT WORTH MEACHAM ALTIMETER SETTING AND INCREASE ALL DA 37 FEET AND ALL MDA 40 FEET, INCREASE S-LOC 35L CAT C/D VISIBILITY AND INCREASE CIRCLING CAT C VISIBILITY 1/8 MILE.
(SEE FORM 8260-10)

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 700 THRE: 689 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS RWY 35L
FORT WORTH, TX	FORT WORTH SPINKS	I-JZW	ILS OR LOC RWY 35L, AMDT 2	AMDT: 1A
				DATED 07/05/2007

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X] DFW ATCT, ZFW, AMGR, ST. AVIATION DIR., REGIONAL APP CON.

FLIGHT CHECKED BY

NAME:	FIFO	DATE:
MARTIN JOSEPH TOWER	FIOG	02/27/2012

DEVELOPED BY

NAME:	FIFO	DATE:
JOSE ALFONSO (AISHAT NAUZO)	AJV-353	11/02/2011

APPROVED BY

NAME:	FIFO	DATE:
LARRY H STROUT	AJV-353	

CHANGES:

1 PROCEDURE NAME CHANGED TO ILS OR LOC RWY 35L.
2 CHANGED ALTIMETER SETTING NOTE TO INCLUDE WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT WORTH MEACHAM ALTIMETER SETTING AND INCREASE ALL DA 37 FEET AND ALL MDA 40 FEET, INCREASE S-LOC 35L CAT C/D VISIBILITY AND CIRCLING CAT C VISIBILITY 1/8 MILE. ADDED CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 35L CAT C/D VISIBILITY TO 1 3/4. ADDED CHART NOTE: FOR INOPERATIVE MALSR WHEN USING FORT WORTH MEACHAM ALTIMETER SETTING, INCREASE S-LOC 35L CAT C/D TO 1 7/8.
3 ADDED ALTERNATE MA GOING TO SLUGG VIA MAVERICK VOR/DME RADIAL, AND HOLDING ON THE GLEN ROSE VORTAC RADIAL.
4 CHANGED S-ILS 35L MINIMA FROM ALL CATS 897- 1/2 200 TO 889-1/2 200 ALL CATS. UPDATED HATS/HAAS TO REFLECT THRE VS TDZE.
5 CHANGED S-LOC 35L MINIMA FROM CATS A/B 1220-1/2 523, CAT C 1220-1 523, CAT D 1220-1 1/4 523 TO CATS A/B 1320-1/2 631 AND CATS C/D 1320-1 3/8 631.
6 REMOVED FORTH WORTH MEACHAM ALTIMETER SETTING MINIMA.
7 INCREASED MSA ALTITUDE TO 3600.

REASONS:

1 ILS NAMING CONVENTION.
2 NEW OBSTACLE EVALUATION AND APPLICATION OF UPDATED VISIBILITIES FROM 8260.3B CHG 20 VOL1 CHP3 SEC 3 AND 8260.19D PARA 855E.
3 FPT REQUEST.
4 NEW CRITERIA 8260.3B CHG 20. NO OBSTRUCTIONS ON ILS (ASC). DIFFERENCE IS DUE TO THRE VS. TDZE.
5 NEW OBSTRUCTIONS.
6 KFWS AWOS ON SERVICE A. SECOND SET OF MINIMUMS NOT REQUIRED. PUBLISHED AS B/U NOTE.
7 NEW OBSTACLE IN MSA AREA.

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-LOC 35L CAT C/D VISIBILITY TO 1 3/4.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING FORT WORTH MEACHAM ALTIMETER SETTING INCREASE S-LOC 35L CAT C/D VISIBILITY TO 1 7/8.

CHART PLANVIEW NOTE: RADAR REQUIRED.

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 700 THRE: 689	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: ILS RWY 35L
FORT WORTH, TX	AIRPORT NAME: FORT WORTH SPINKS	I-JZW	ILS OR LOC RWY 35L, AMDT 2	AMDT: 1A
				DATED: 07/05/2007

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
ARINC PACKET - 424-18 - ILS

                  1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        FUZ   K4011570VTHW N32532202W097104593    N32532202W097104593E0060006372     NARRANGER

                  1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   LEEON K40    R     N32232646W097183624                        E0042     NAR           LEEON
        SUSAEAENRT   MIKKL K40    R     N32283520W097183554                        E0042     NAR           MIKKL OM
        SUSAEAENRT   SLUGG K40    C   L N32280826W097434139                        E0045     NAR           SLUGG

                  1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFWSK4AFWS     0     060YHN32335482W097182908E007000700         1800018000C    MNAR    FORT WORTH SPINKS

                  1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFWSK4FI35L  I      010LEEONK4EA0E  I    IF IJZWK4      17310111        PI  J 023000230018000                  0 NS
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        SUSAP KFWSK4FI35L  I      030RW35LK4PG0GY M    CF IJZWK4      1731001235300048PI    00739             -300          0 NS
        SUSAP KFWSK4FI35L  I      040         0  M     CA                      3531        + 01800                          0 NS
        SUSAP KFWSK4FI35L  I      050         0        VI                      2650                                         0 NS
        SUSAP KFWSK4FI35L  I      060SLUGGK4EA0EY      CF FUZ K4      2220037522200200D   + 03100                          0 NS
        SUSAP KFWSK4FI35L  I      070SLUGGK4EA0EE  R   HM                      2220T010    + 03100                          0 NS

                  1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
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                  1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFWSK4IIJZW1   011095RW35LN32343097W0971834743531N32333055W0971829041002 09000572300E00705000689

                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFWSK4SFUZ  K4D                 0   18018003625                                                                          M
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 700 THRE: 689	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS RWY 35L
FORT WORTH, TX	AIRPORT NAME: **FORT WORTH SPINKS**	**I-JZW**	**ILS OR LOC RWY 35L, AMDT 2**	AMDT: **1A**
				DATED: **07/05/2007**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		LEEON	010	FACF	IF		FB				AA 02300 GI 02300	
		MIKKL	020	FAF	CF		FB		353.0()	005.1	GI 02300 GS 02278	
		RW35L	030	MAP	CF		FO		353.0()	004.8	AT 00739	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		353.1()		AA 01800	
		050		VI		FB		265.0()			
	SLUGG	060		CF		FO		222.0()	020.0	AA 03100	
	SLUGG	070		HM	R	FO		222.0()	T01.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FUZ	N325322.02	W0971045.93	N3253.367	W09710.766
	LEEON	N322326.46	W0971836.24	N3223.441	W09718.604
	MIKKL	N322835.20	W0971835.54	N3228.587	W09718.592
	SLUGG	N322808.26	W0974341.39	N3228.138	W09743.690
	RW35L	N323321.66	W0971834.89	N3233.361	W09718.582
	IJZW (LOC)	N323430.97	W0971834.74	N3234.516	W09718.579

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35L	00689	50

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: **700** THRE: **689**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: **ILS RWY 35L**
FORT WORTH, TX	AIRPORT NAME: **FORT WORTH SPINKS**	**I-JZW**	**ILS OR LOC RWY 35L, AMDT 2**	AMDT: **1A**
				DATED: **07/05/2007**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - LOC

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        FUZ   K4011570VTHW N32532202W097104593    N32532202W097104593E0060006372     NARRANGER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   LEEON K40    R     N32232646W097183624                      E0042     NAR           LEEON
        SUSAEAENRT   MIKKL K40    R     N32283520W097183554                      E0042     NAR           MIKKL OM
        SUSAEAENRT   SLUGG K40    C   L N32280826W097434139                      E0045     NAR           SLUGG

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFWSK4AFWS     0     060YHN32335482W097182908E007000700         1800018000C    MNAR    FORT WORTH SPINKS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFWSK4FL35L  L      010LEEONK4EA0E  I    IF IJZWK4      17310111        PI  + 02300     18000                  0 NS
        SUSAP KFWSK4FL35L  L      020MIKKLK4EA0E  F    CF IJZWK4      1731005935300051PI  + 02300                FUZ   K4D 0 NS
        SUSAP KFWSK4FL35L  L      030RW35LK4PG0GY M    CF IJZWK4      1731001235300048PI    00739             -309          0 NS
        SUSAP KFWSK4FL35L  L      040         0  M     CA                     3531        + 01800                          0 NS
        SUSAP KFWSK4FL35L  L      050         0        VI                     2650                                         0 NS
        SUSAP KFWSK4FL35L  L      060SLUGGK4EA0EY      CF FUZ K4      2220037522200200D   + 03100                          0 NS
        SUSAP KFWSK4FL35L  L      070SLUGGK4EA0EE  R   HM                     2220T010    + 03100                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFWSK4GRW35L   0060023531 N32332166W097183489+0200    +0182500689000050100IIJZW1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFWSK4IIJZW1   011095RW35LN32343097W0971834743531N32333055W0971829041002 09000572300E00705000689

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFWSK4SFUZ  K4D                 0   18018003625                                                                    M
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 700 THRE: 689	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: ILS RWY 35L
FORT WORTH, TX	AIRPORT NAME: FORT WORTH SPINKS	I-JZW	ILS OR LOC RWY 35L, AMDT 2	AMDT: 1A
				DATED: 07/05/2007

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		LEEON	010	FACF	IF		FB				AA 02300	
		MIKKL	020	FAF	CF		FB		353.0()	005.1	AA 02300	
		RW35L	030	MAP	CF		FO		353.0()	004.8	AT 00739	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		353.1()		AA 01800	
		050		VI		FB		265.0()			
	SLUGG	060		CF		FO		222.0()	020.0	AA 03100	
	SLUGG	070		HM	R	FO		222.0()	T01.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FUZ	N325322.02	W0971045.93	N3253.367	W09710.766
	LEEON	N322326.46	W0971836.24	N3223.441	W09718.604
	MIKKL	N322835.20	W0971835.54	N3228.587	W09718.592
	SLUGG	N322808.26	W0974341.39	N3228.138	W09743.690
	RW35L	N323321.66	W0971834.89	N3233.361	W09718.582
	IJZW (LOC)	N323430.97	W0971834.74	N3234.516	W09718.579

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35L	00689	50

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE: LOC	LEEON RADAR	MIKKL OM/RADAR	1. TOWER (48-010664)	322329.51N/0971829.05W	1290 (5D)	500	AT510	2300
			2. TERRAIN	322644.11N/0971958.74W	949 (900)		AS1000	1900
FINAL: ILS	GS INTCP	RW35L				ASC		889/200
FINAL: LOC	MIKKL OM/RADAR	4.76 MILES AFTER	3. AAO	322825.24N/0971910.81W	1069 (2C)	250		1320
		MIKKL OM RADAR						
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / 4.76 MILES	SLUGG INT/37.50				ASC		3100
	AFTER MIKKL OM	DME	4. TOWER (48-002505)	323212.00N/0972446.86W	1772 (2C)	1000		2800
ELEV:	724/1070		5. TERRAIN	323424.00N/0974133.00W	1142 (1100)		AS1500	2600

4. CIRCLING AREA	DISTANCE		HT ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	620	7. TREE	323232.92N/0971811.16W	899 (2C)	300	SI	1320
CATEGORY B	1.5 NM		450		620	7. TREE	323232.92N/0971811.16W	899 (2C)	300	SI	1320
CATEGORY C	1.7 NM		450		620	7. TREE	323232.92N/0971811.16W	899 (2C)	300	SI	1320
CATEGORY D	2.3 NM		550		620	8. TREE	323251.79N/0971557.32W	929 (2C)	300	SI	1320
CATEGORY E	4.5 NM		550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: FUZ VORTAC

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	MSA
360-360	TWR (48-008489)	142/ 21.3	2549 (2C)	3600					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
FORT WORTH, TX	ELEVATION: 700 AIRPORT NAME: FORT WORTH SPINKS	I-JZW	ILS OR LOC RWY 35L, AMDT 2	ASW

QUALITY CHECKED

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
FTW FSS REGIONAL APP CON	N W S / OTHER: AWOS-3 F A A A / C	SOURCE: KFWS / KFTW DISTANCE: 0 / 15.49 HOURS REMOTE OPERATION: 0 / BACKUP
SATISFACTORY ON:		
X V H F X U H F H F	LOCATION: KFWS	ADJUSTMENT: 0 / 37

4. MONITOR STATUS

PRIMARY NAVAID: I-JZW

MONITOR POINT:

HRS OPTN: CAT 1 / CAT 3 — 24 HRS

5. APPROACH & RUNWAY LIGHTING

	ALS
	(S) SALS
X	MALSR 35L (PCL)
	HIRL
X	MIRL 17R, 35L
	REIL
	TDZ
	C/LINE
X	OTHER (SPECIFY) PAPI-4L 17R, 35L

6. RUNWAY MARKINGS

BASIC

ALL WEATHER PIR-G 17R, 35L

INSTRUMENT

7. RUNWAY VISUAL RANGE

APPROACH

MIDFIELD

ROLL OUT

8. GLIDE PATH

GP ANGLE: 3.00

DISTANCE FROM RWY: 900

ELEV RWY THRESHOLD: 689.1

ELEV GP ANTENNA: 692.2

THRESHOLD CROSSING HEIGHT: 50.3

9. FINAL APPROACH COURSE AIMING

X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART C - REMARKS:

VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

RASS PRESSURE PATTERNS SAME
KFWS 700.4, KFTW 710.1
RA = 36.99.
SEE ATTACHED AIRSPACE LETTER.

CIRCLING NA W OF RWY 17R-35L DUE TO NORTH-SOUTH POWER LINES WEST OF AIRPORT.

KFWS AWOS-3 IS ON SERVICE A, KFTW ASOS IS ON SERVICE A.

100 FEET TREES USED FOR VEGETATION PER FPT.

MAGVAR NOT UPDATED PER FPT. 1/1/2010 MAGVAR 4 DEGREES 28 MINUTES EAST.

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 3100
4. TOWER (48-002505) 323212.00N/0972446.86W 1772 (2C)
1000 2800
6. TERRAIN 323448.00N/0974030.00W 1132 (1100) AS1500
2600

PART D - PREPARED BY: JOSE ALFONSO (AISHAT NAUZO)	DATE: 11/02/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LEEON **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 322326.46N/0971836.24W **TYPE:** RADAR

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35L.			KFWS	FORT WORTH	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
REMOVED FAC 1 AND 2.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/21/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (AISHAT NAUZO)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: DFW ATCT
OTHER:

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MIKKL OM **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 322835.20N/0971835.54W **TYPE:** RADAR

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MIKKL	JZ	OM							2300	5200

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE MIKKL OM.
ACTUAL FACILITY LOCATION IS 322835.20N/0971838.05W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35L.			KFWS	FORT WORTH	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
FIX MOVED 214.26 FT NORTH; COORDINATES UPDATED.
REMOVED KFWS R35L FAC 2, ADDED MIKKL OM FAC 1.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/21/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (AISHAT NAUZO)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: DFW ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: SLUGG **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 322808.26N/0974341.39W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	RANGER	FUZ	VORTAC	H	221.97	227.97	37.50	37.50		3100	17500
2	MILLSAP	MQP	VORTAC	H	129.38	138.38		20.58		3100	17500
3	GLEN ROSE	JEN	VORTAC	L	016.27	022.27	20.02	20.02		4000	17500
4	MAVERICK	TTT	VOR/DME	H	229.66	235.66	42.28	42.28		4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TTT	VOR/DME	R-230	43	4000	15100

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	FUZ	VORTAC	221.97	221.97	R	1		3100	9000	6	11
2	NE		WP	040.97	220.97	R		4	3100	6000	5	6
3	S	JEN	VORTAC	196.27	016.27	R	1		4000	9000	6	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-005831)	323256.00N/0973902.92W	1372	1A
2	200	TOWER (48-005831)	323256.00N/0973902.92W	1372	1A
3	200	AAO	322305.60N/0974803.80W	1430	6C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
RANGER (FAC 1) AND MILLSAP (FAC 2) USED TO ESTABLISH FIX COORDINATES
NO CHANGES TO COURSES/ DISTANCES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35L	1, 2, 3, 4	1, 3	KFWS	FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 17R		2	KFWS	FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 35L		2	KFWS	FORT WORTH	TX (US)
STAR	SLUGG	1, 2, 3		KDTO	DENTON	TX (US)
STAR	SLUGG	1, 2, 3		KAFW	FORT WORTH	TX (US)
STAR	SLUGG	1, 2, 3		KFTW	FORT WORTH	TX (US)
STAR	SLUGG	1, 2, 3		KNFW	FORT WORTH	TX (US)

REQUIRED CHARTING: STAR, IAP, AREA, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
FIX MOVED 19.62 FEET SOUTHEAST; COORDINATES UPDATED.
ADDED MAVERICK VORDME FAC 4.
ADDED GLEN ROSE VORTAC PAT 3 PATTERN AND PAT 3 CONTROLLER.
ADDED MAVERICK VDME ESV.
UPDATED FIX USE.
ADDED REMARK RANGER (FAC 1) AND MILLSAP (FAC 2) USED TO ESTABLISH FIX COORDINATES.

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/21/2011.
1. CHANGED FAC 1 AND 2 MRA FROM 4000 TO 3100.
2. CHANGED HOLDING PATTERN 3 MIN ALT FROM 3100 TO 4000.

DEVELOPED BY: **DATE:** 10/21/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (AISHAT NAUZO)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

QUALITY CHECKED

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZFW
ATC FACILITY: REGIONAL/FWS
OTHER:

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **FORT WORTH** STATE: **TX**

AIRPORT NAME: **FORT WORTH SPINKS** ID: **KFWS**

PROCEDURE: **ILS OR LOC RWY 35L** AMDT: **2**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **3.64**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.01**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **000.11**
4. High Terrain in **FINAL** segment containing 1000' point **859**
5. Distance from **THLD** to 1500' point **10.24**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **8.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **000.11**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **949**
9. Threshold Coordinates (if straight-in) ... **323321.66N** / **0971834.89W**
10. ARP Coordinates ..... **323354.82N** / **0971829.08W**
11. Runway Approach End and distance furthest from ARP.....RWY **35L**
    Distance **0.56** NM
12. FAF Coordinates ..... **322835.20N** / **0971835.54W**
    (Click to Select)

REMARKS: Approach/Drawing attached.