Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: TEXTUAL DP	Date Open: 08/05/2011	Task #: 2011022826502103001	Request #: 20110228265021
Procedure: MIDLAND TX KMAF AMDT 1		Airport ID: KMAF	Airport: MIDLAND INTL		Reimbursable #:
City: MIDLAND	ST: TX	GPS #:		Estimated Chart Date: 09/20/2012	FICO #:
Fac ID:	Fac. Type: Proc T.	Specialist: JILL OLSON(Contractor)			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	01/20/2012	04/25/2012	JEFF RAWDON	
QA:	04/25/2012	05/18/2012	STEVEN SZUKALA	
Liaison:	05/18/2012		Alfonso	

Procedure Comments:

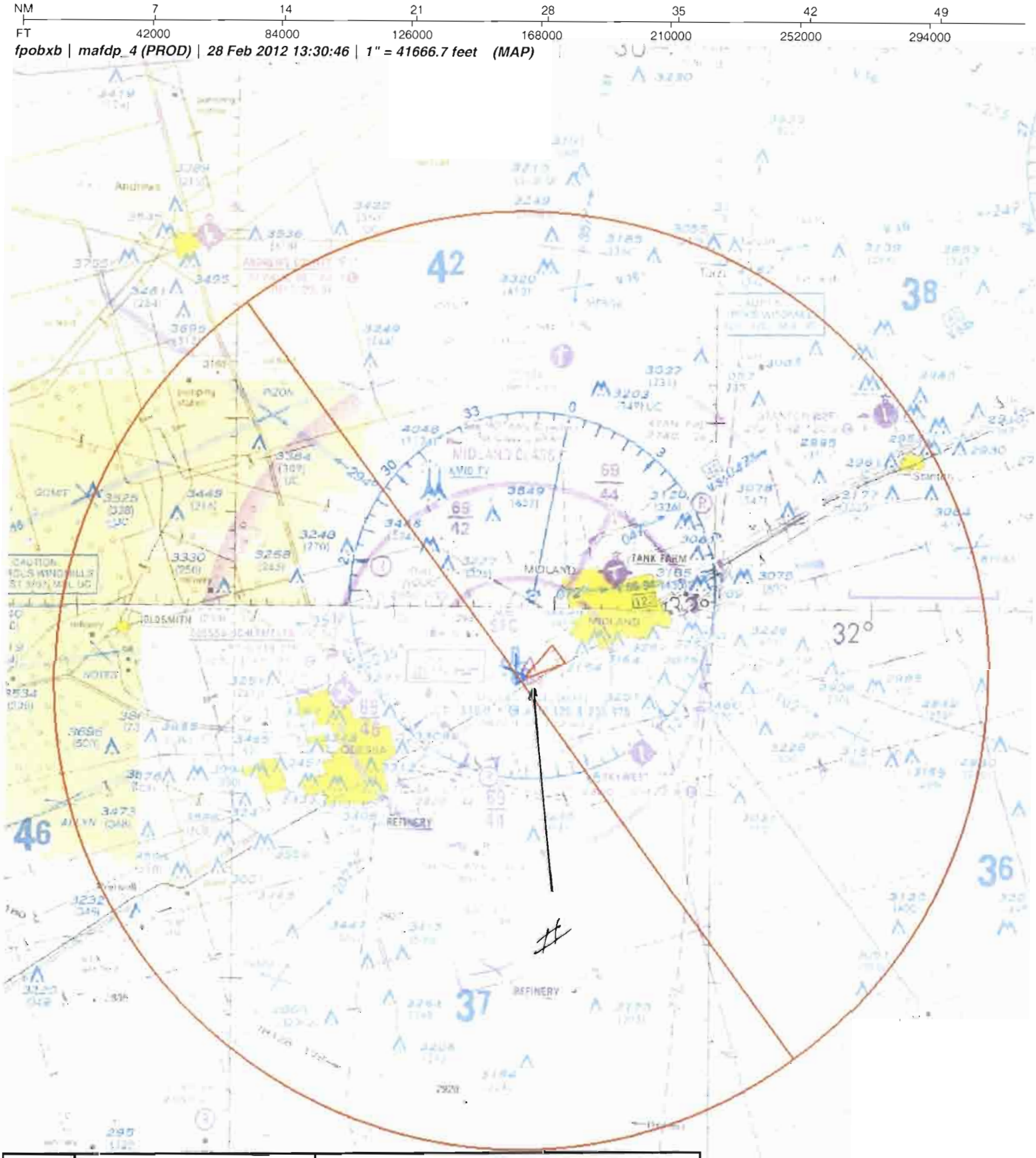
Remark Type: INFORMATION

pkg 15 of 15

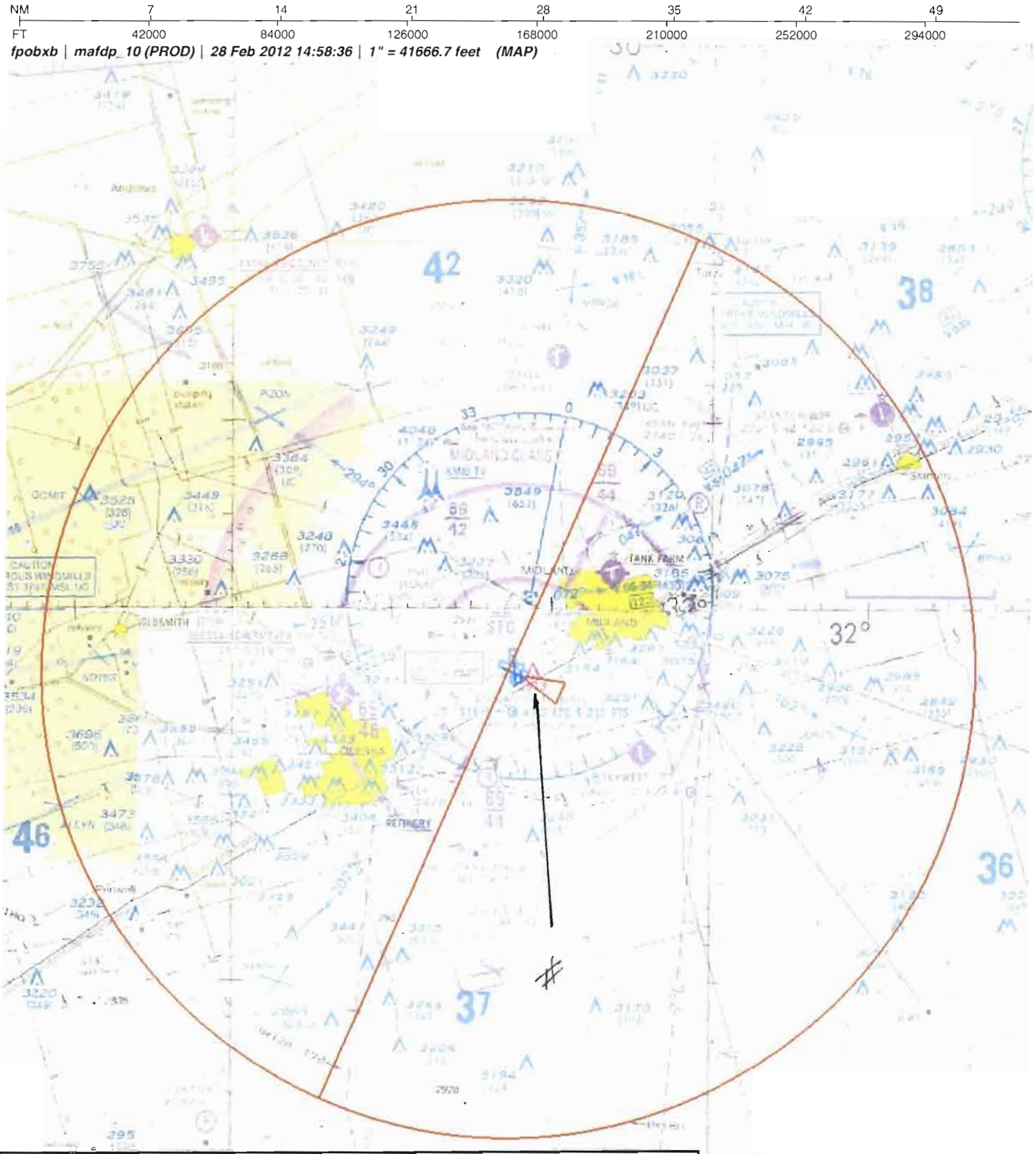
MIDLAND, TX MIDLAND INTL (KMAF) TAKEOFF DEP/MINS, AMDT 1 ENROUTE-NO FC: 8.7.12 PUB: 9.20.12

ATTACHED FORMS: 8260-15A.

CONTACT: JILL OLSON, AJV-353 LEAD, 405.954.9568:



Airport ID:	KMAF				
A.pt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND	#	ICA	ROD	2963
State:	TEXAS		DIVERSE	ASC	
Proc ID:	DP				
Amdt #:	AMDT 1				
Rwy:	RWY 4				
Scale:	1:500,000				

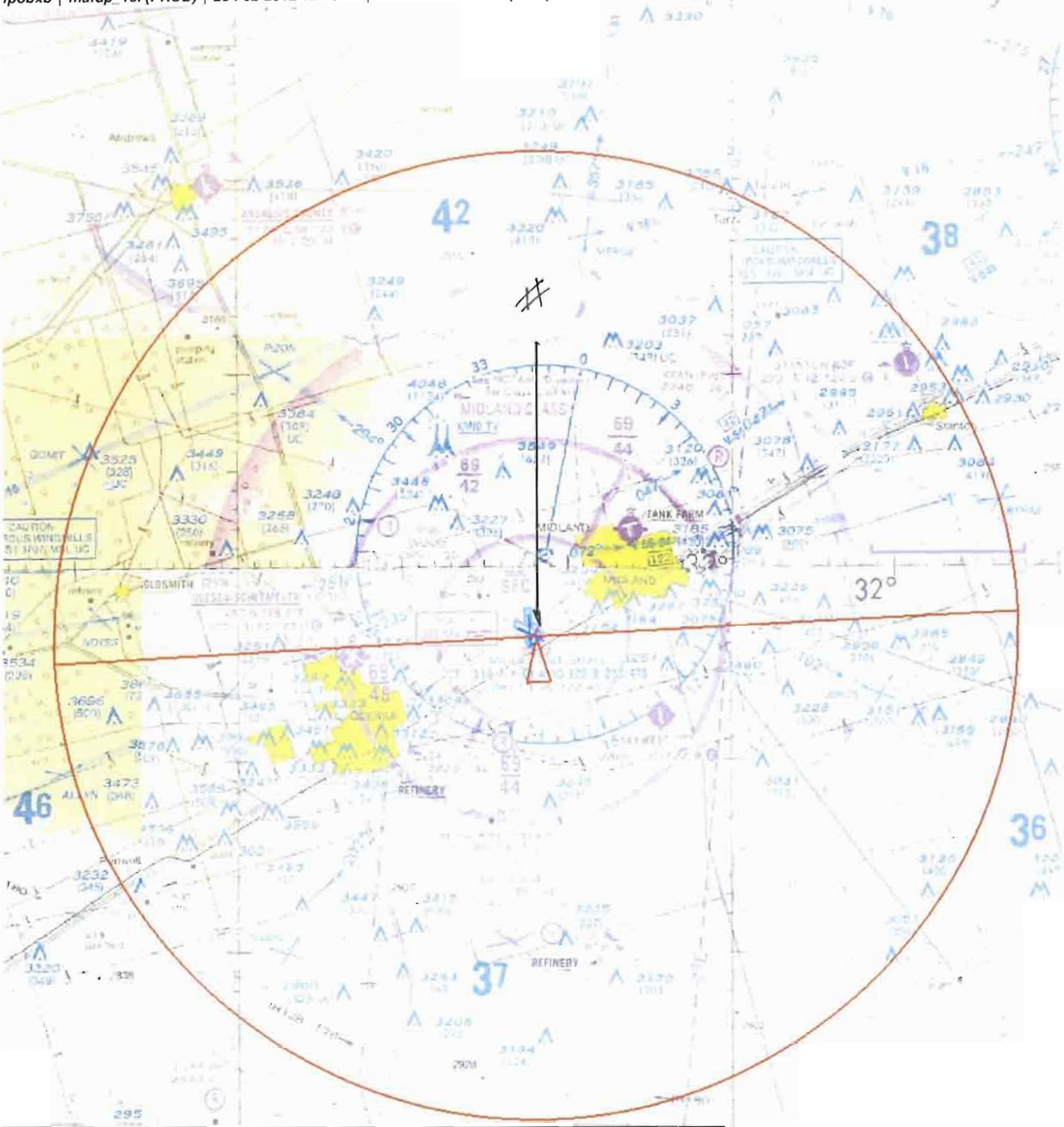


Airport ID:	KMAF				
Apt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND	#	ICA	SIGN	2913
State:	TEXAS		DIVERSE	ASC	
Proc ID:	DP				
Amdt #:	AMDT 1				
Rwy:	RWY 10				
Scale:	1:500,000				

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpobxb | mafdp_16l (PROD) | 28 Feb 2012 12:13:14 | 1" = 41666.7 feet (MAP)



Airport ID:	KMAF				
Apt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND	#	ICA	SIGN	2877
State:	TEXAS		DIVERSE	ASC	
Proc ID:	DP				
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Rwy:	RWY 16L				
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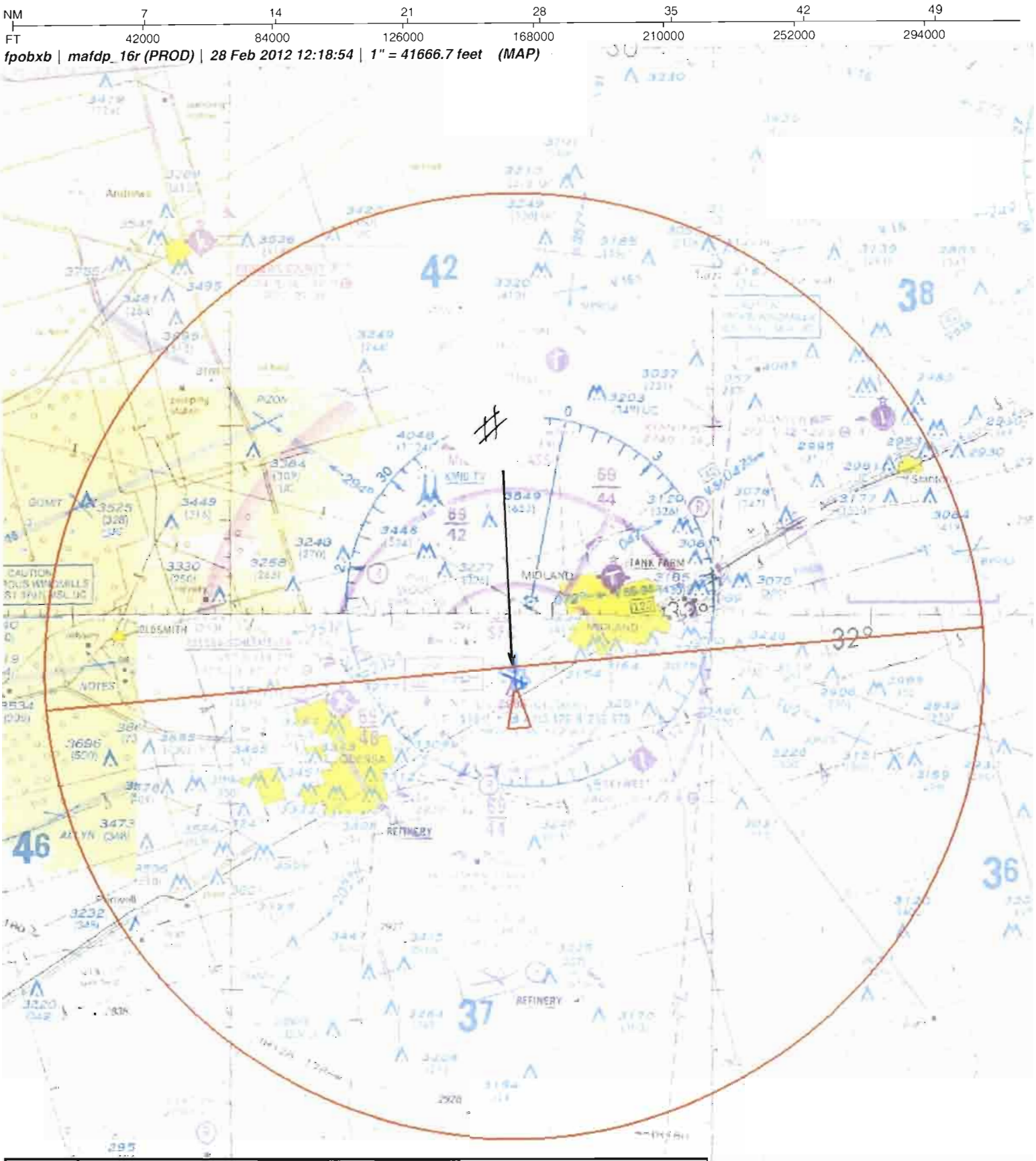
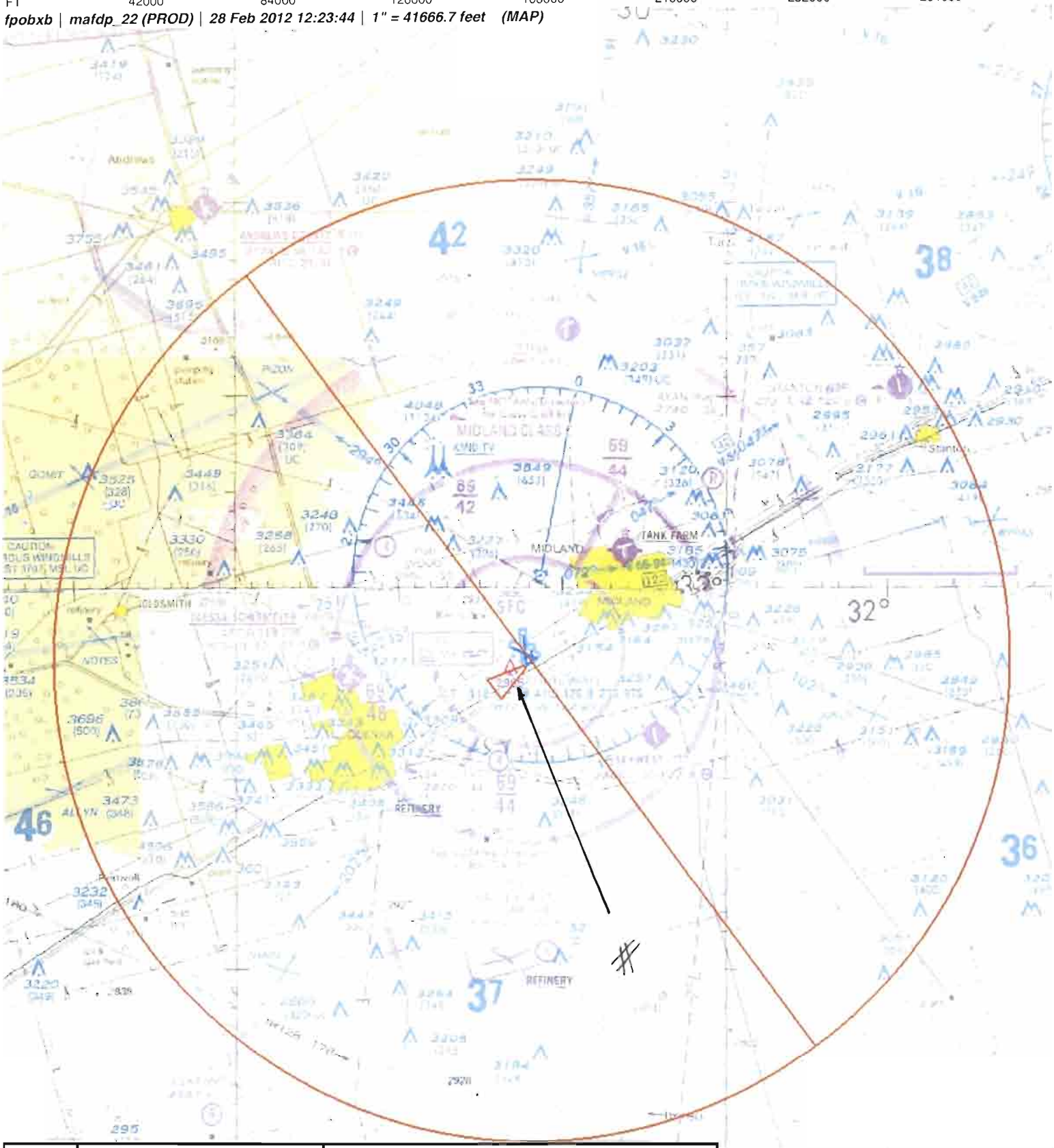


Airport ID:	KMAF				
Apt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND	#	ICA	POLE	2906
State:	TEXAS		DIVERSE	ASC	
Proc ID:	DP				
Amdt #:	AMDT 1				
Rwy:	RWY 16R				
Scale:	1:500,000				

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpobxb | mafdp_22 (PROD) | 28 Feb 2012 12:23:44 | 1" = 41666.7 feet (MAP)

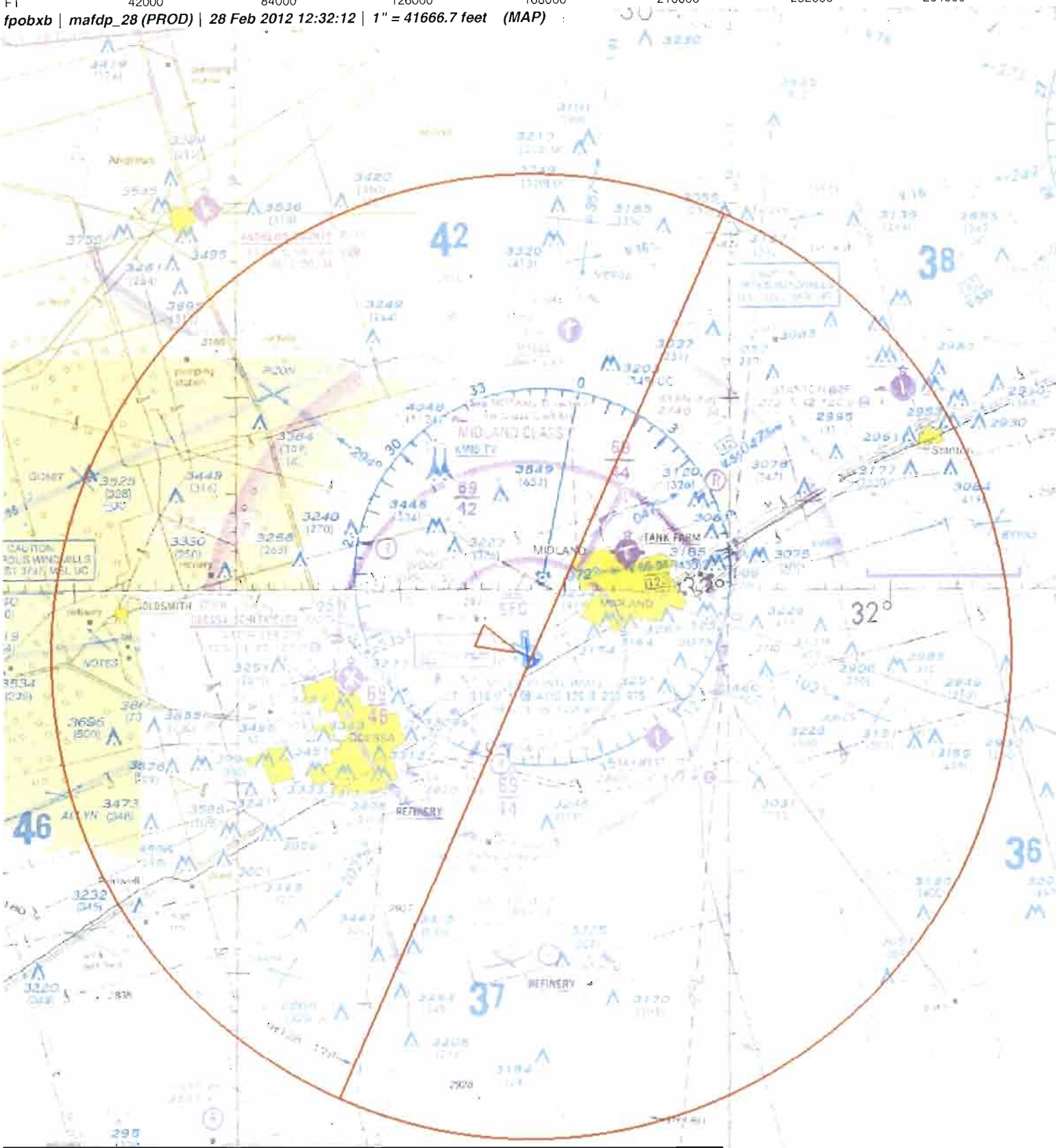


Airport ID:	KMAF				
Apt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND	#	ICA	LIGHT	2986
State:	TEXAS		DIVERSE	ASC	
Proc ID:	DP				
Amdt #:	AMDT 1				
Rwy:	RWY 22				
Scale:	1:500,000				

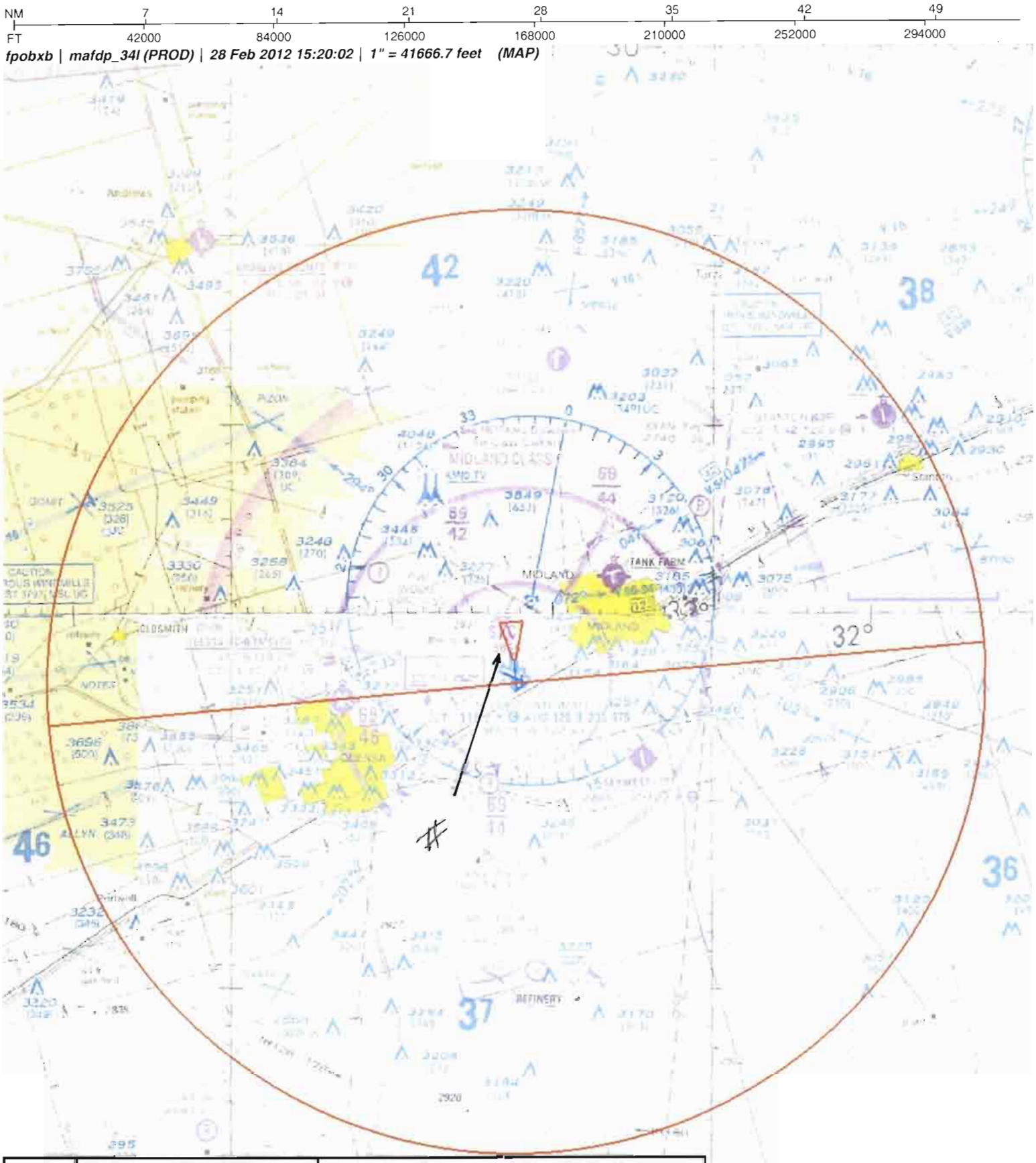
NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpobxb | mafdp_28 (PROD) | 28 Feb 2012 12:32:12 | 1" = 41666.7 feet (MAP)



Airport ID:	KMAF				
Apt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND		ICA	ASC	
State:	TEXAS		DIVERSE	ASC	
Proc ID:	DP				
Amdt #:	AMDT 1				
Rwy:	RWY 28				
Scale:	1:500,000				

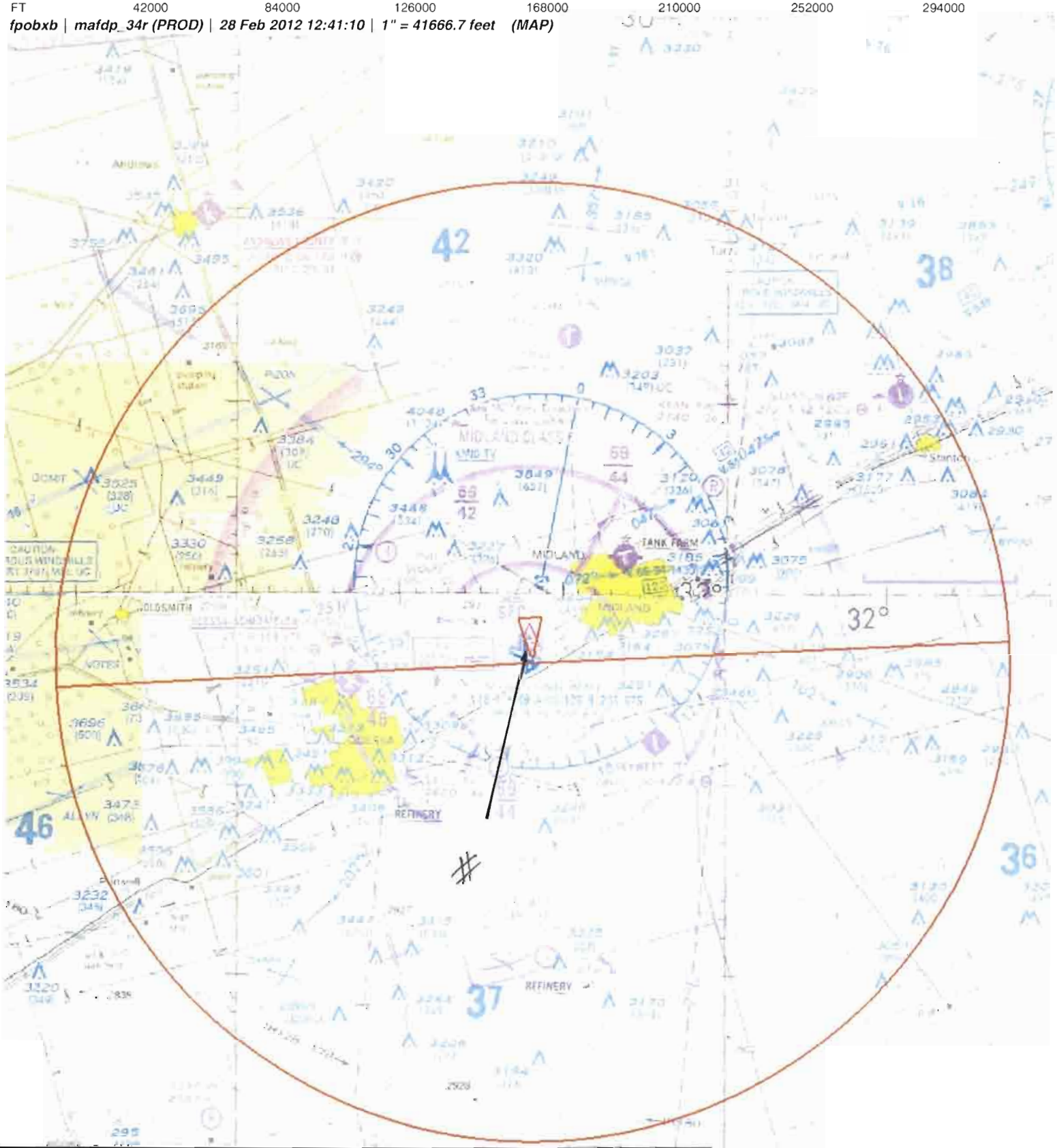


Airport ID:	KMAF				
Apt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND	#	ICA	RIG	3056
State:	TEXAS		DIVERSE	ASC	
Proc ID:	DP				
Amdt #:	AMDT 1				
Rwy:	RWY 34L				
Scale:	1:500,000				

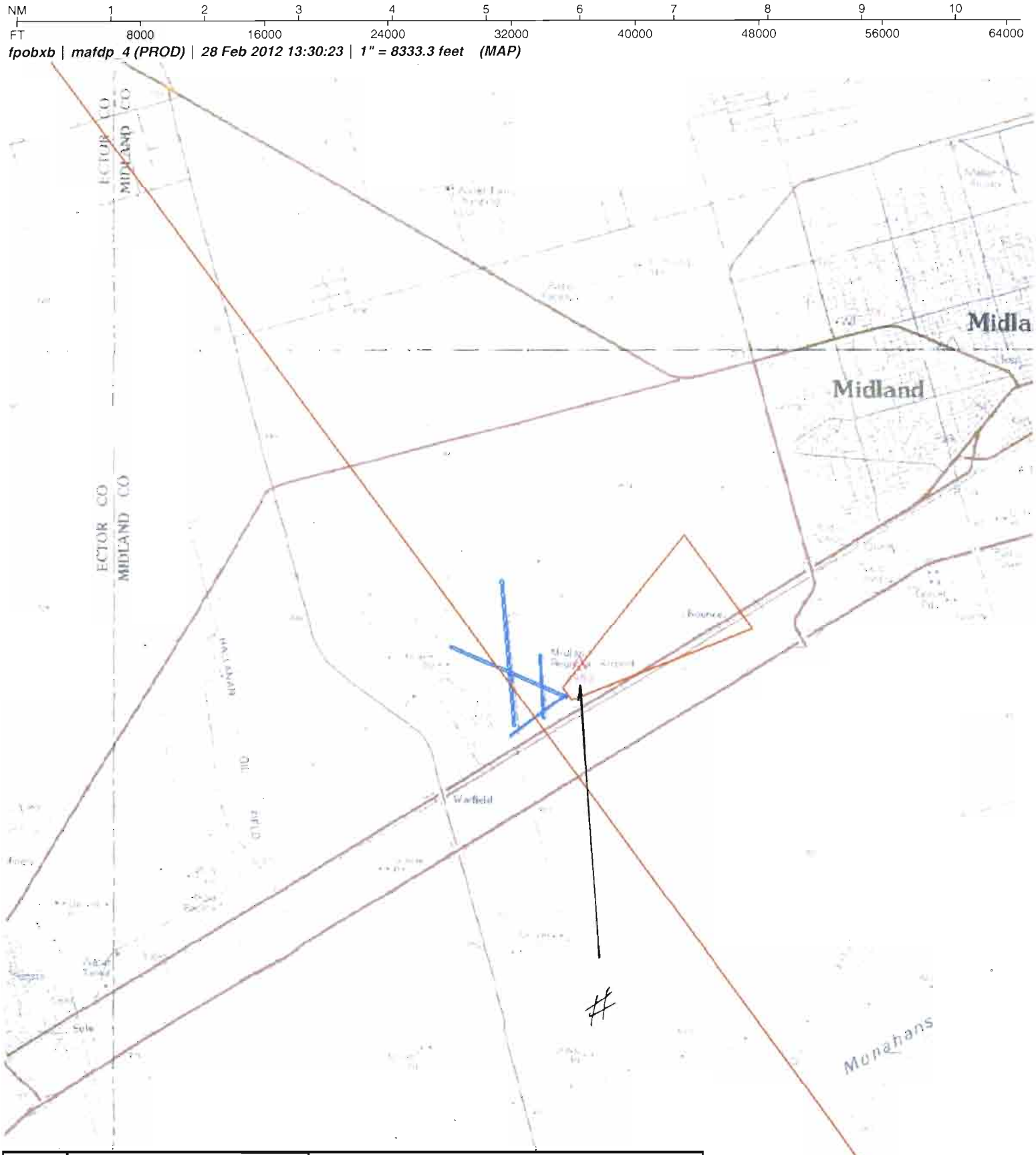
NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpobxb | mafdp_34r (PROD) | 28 Feb 2012 12:41:10 | 1" = 41666.7 feet (MAP)



Airport ID:	KMAF				
Apt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND	#	ICA	RIG	3025
State:	TEXAS		DIVERSE	ASC	
Proc ID:	DP				
Amdt #:	AMDT 1				
Rwy:	RWY 34R				
Scale:	1:500,000				

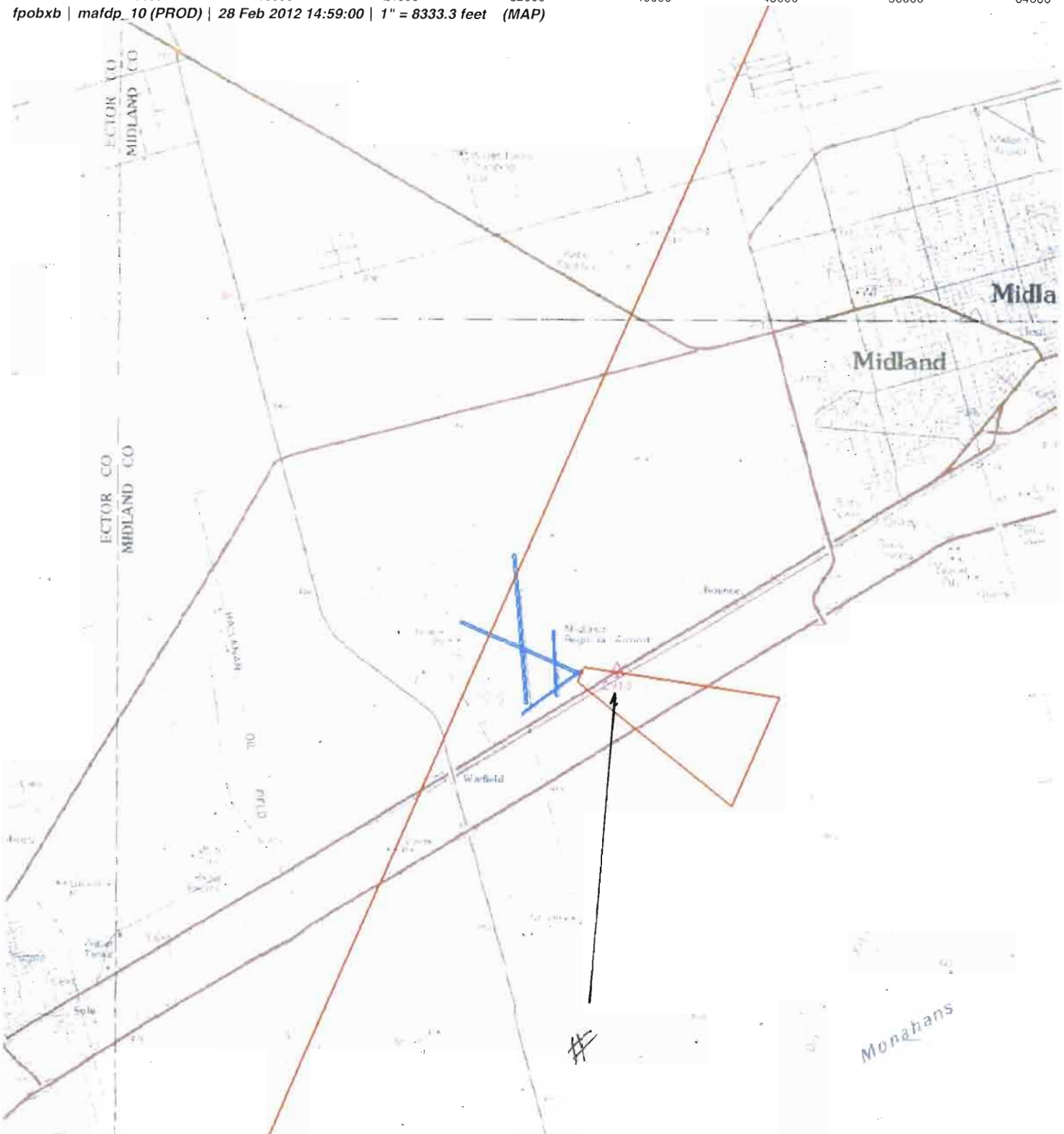


Airport ID:	KMAF				
Apt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND	#	ICA	ROD	2963
State:	TEXAS				
Proc ID:	DP				
Amdt #:	AMDT 1				
Rwy:	RWY 4				
Scale:	1:100,000				

NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpobxb | mafdp_10 (PROD) | 28 Feb 2012 14:59:00 | 1" = 8333.3 feet (MAP)



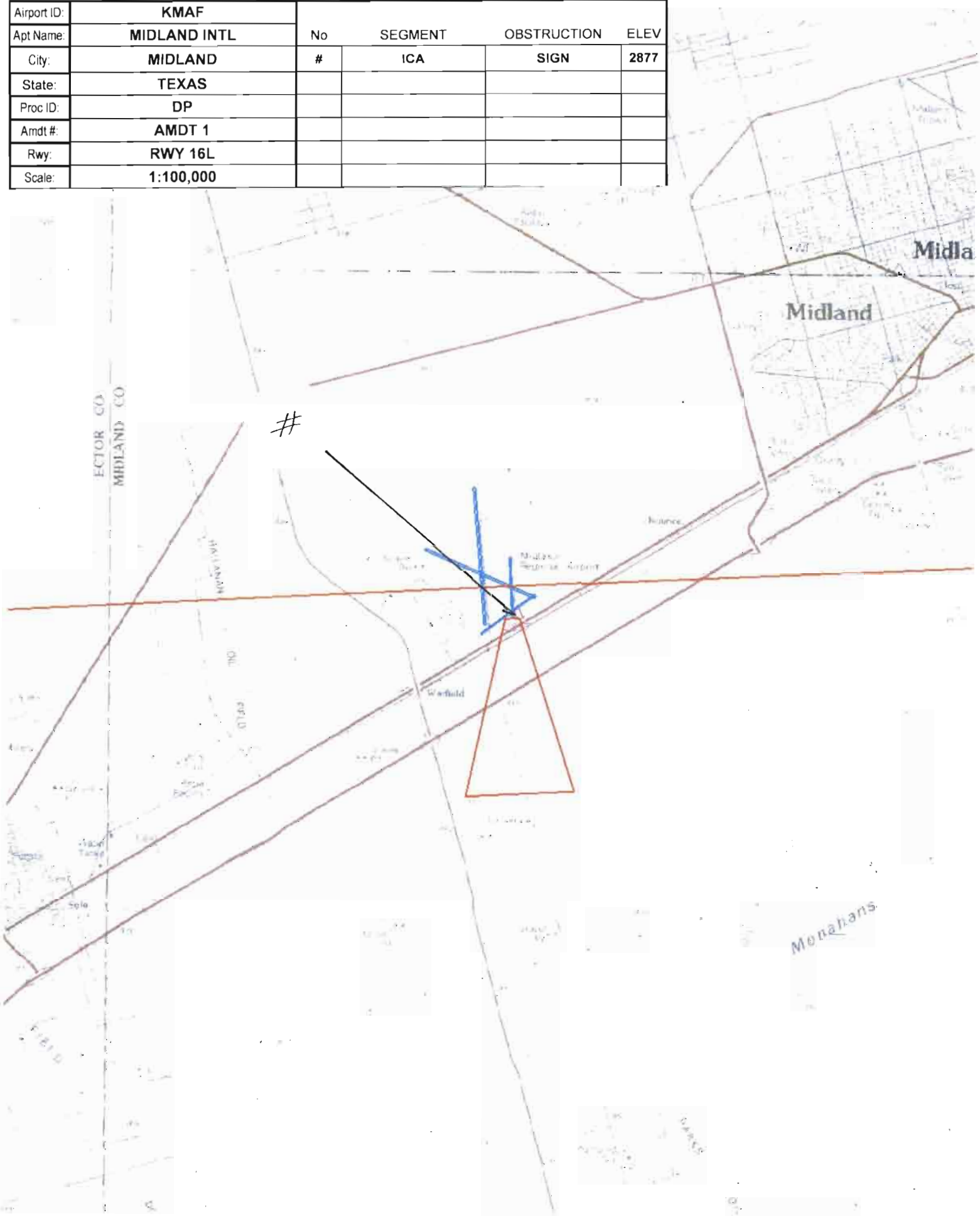
Airport ID:	KMAF	FM 9			
Apt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND	#	ICA	SIGN	2913
State:	TEXAS				
Proc ID:	DP				
Amdt #:	AMDT 1				
Rwy:	RWY 10				
Scale:	1:100,000				

NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpobxb | mafdp_16l (PROD) | 28 Feb 2012 12:12:53 | 1" = 8333.3 feet (MAP)

Airport ID:	KMAF				
Apt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND	#	ICA	SIGN	2877
State:	TEXAS				
Proc ID:	DP				
Amdt #:	AMDT 1				
Rwy:	RWY 16L				
Scale:	1:100,000				

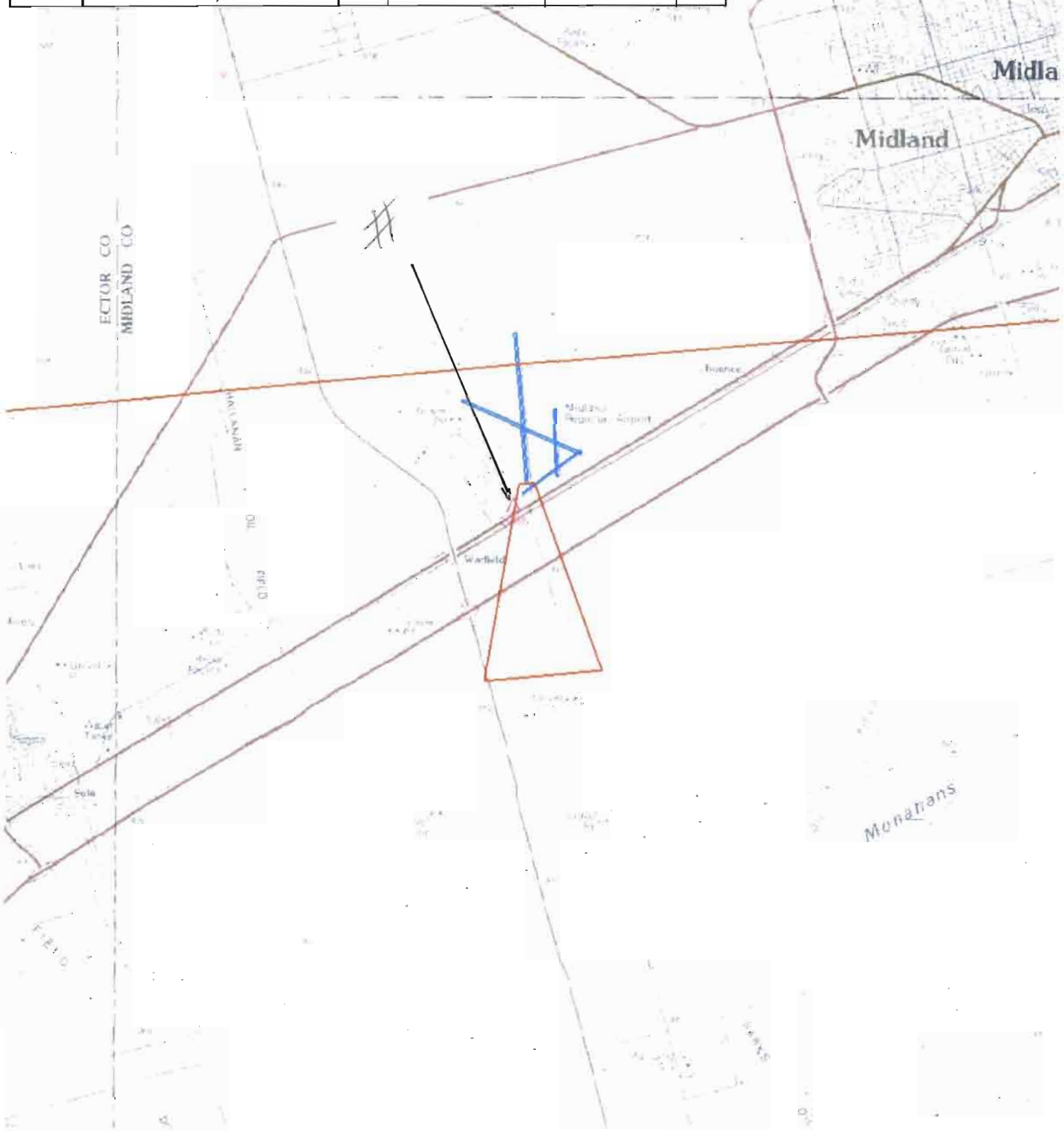


NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpobxb | mafdp_16r (PROD) | 28 Feb 2012 12:18:06 | 1" = 8333.3 feet (MAP)

		FM 9			
Airport ID:	**KMAF**				
Apt Name:	**MIDLAND INTL**	No	SEGMENT	OBSTRUCTION	ELEV
City:	**MIDLAND**	#	ICA	POLE	2906
State:	**TEXAS**				
Proc ID:	**DP**				
Amdt #:	**AMDT 1**				
Rwy:	**RWY 16R**				
Scale:	**1:100,000**				

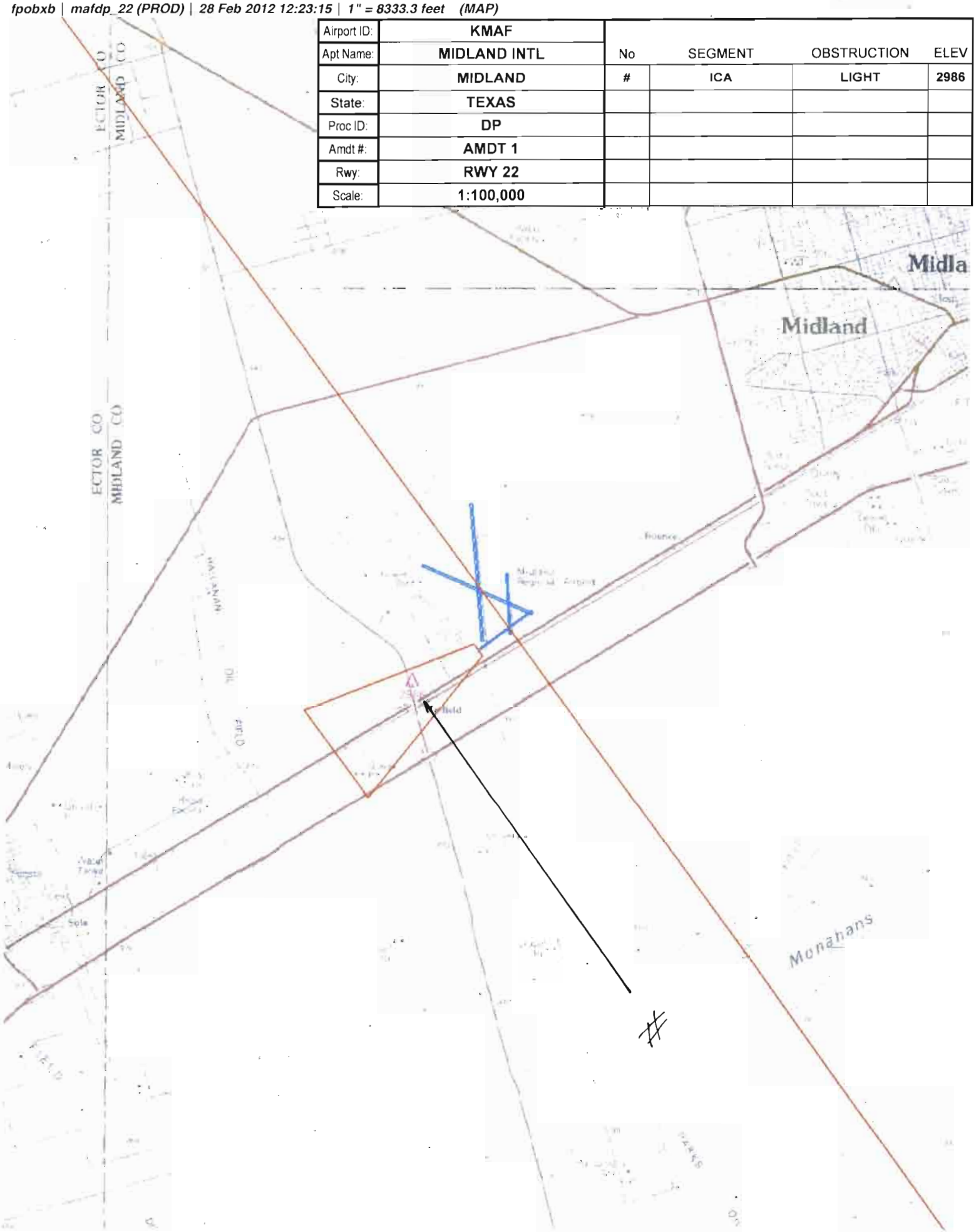


NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpobxb | mafdp_22 (PROD) | 28 Feb 2012 12:23:15 | 1" = 8333.3 feet (MAP)

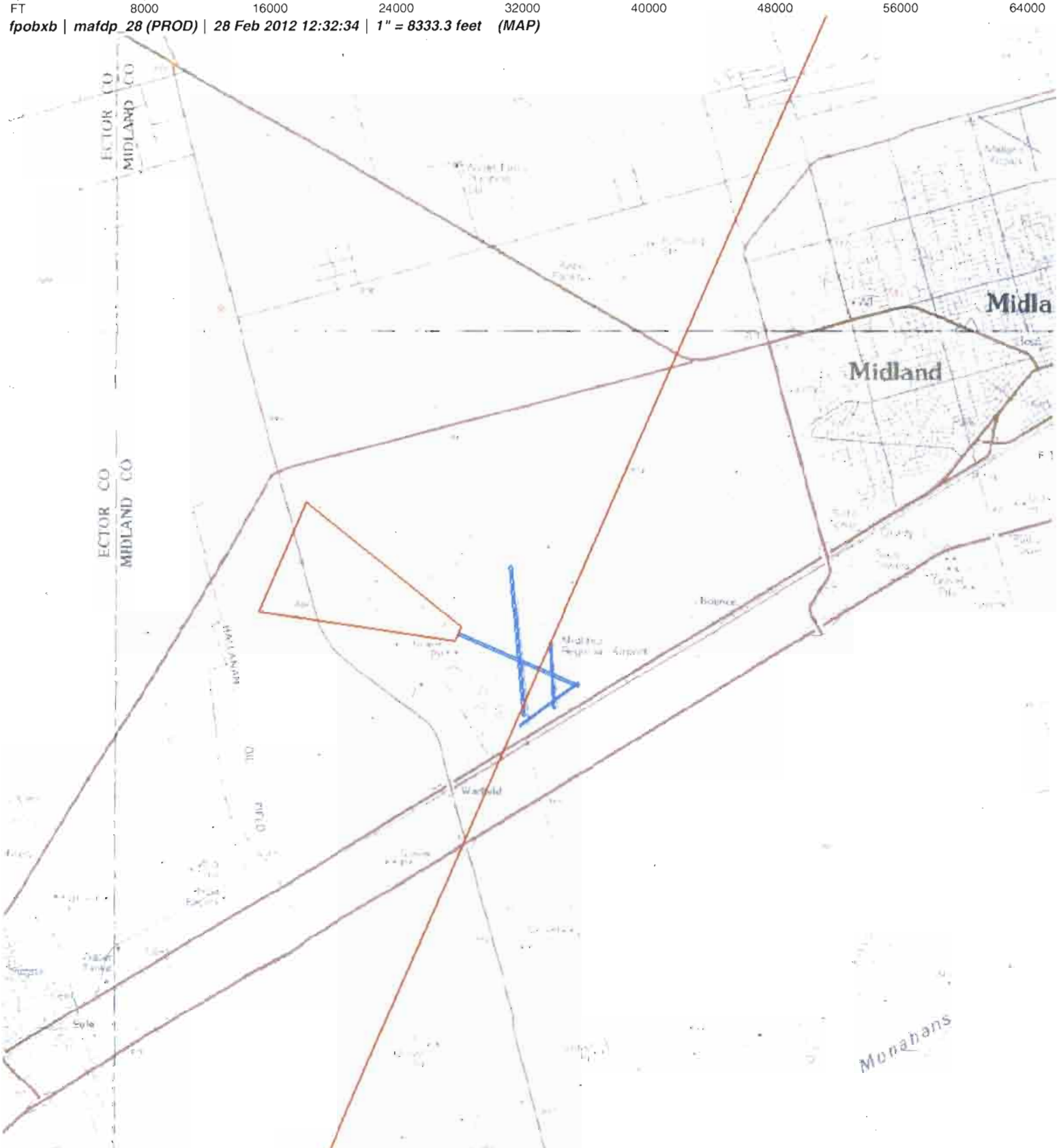
Airport ID:	KMAF				
Apt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND	#	ICA	LIGHT	2986
State:	TEXAS				
Proc ID:	DP				
Amdt #:	AMDT 1				
Rwy:	RWY 22				
Scale:	1:100,000				



NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpobxb | mafdp_28 (PROD) | 28 Feb 2012 12:32:34 | 1" = 8333.3 feet (MAP)

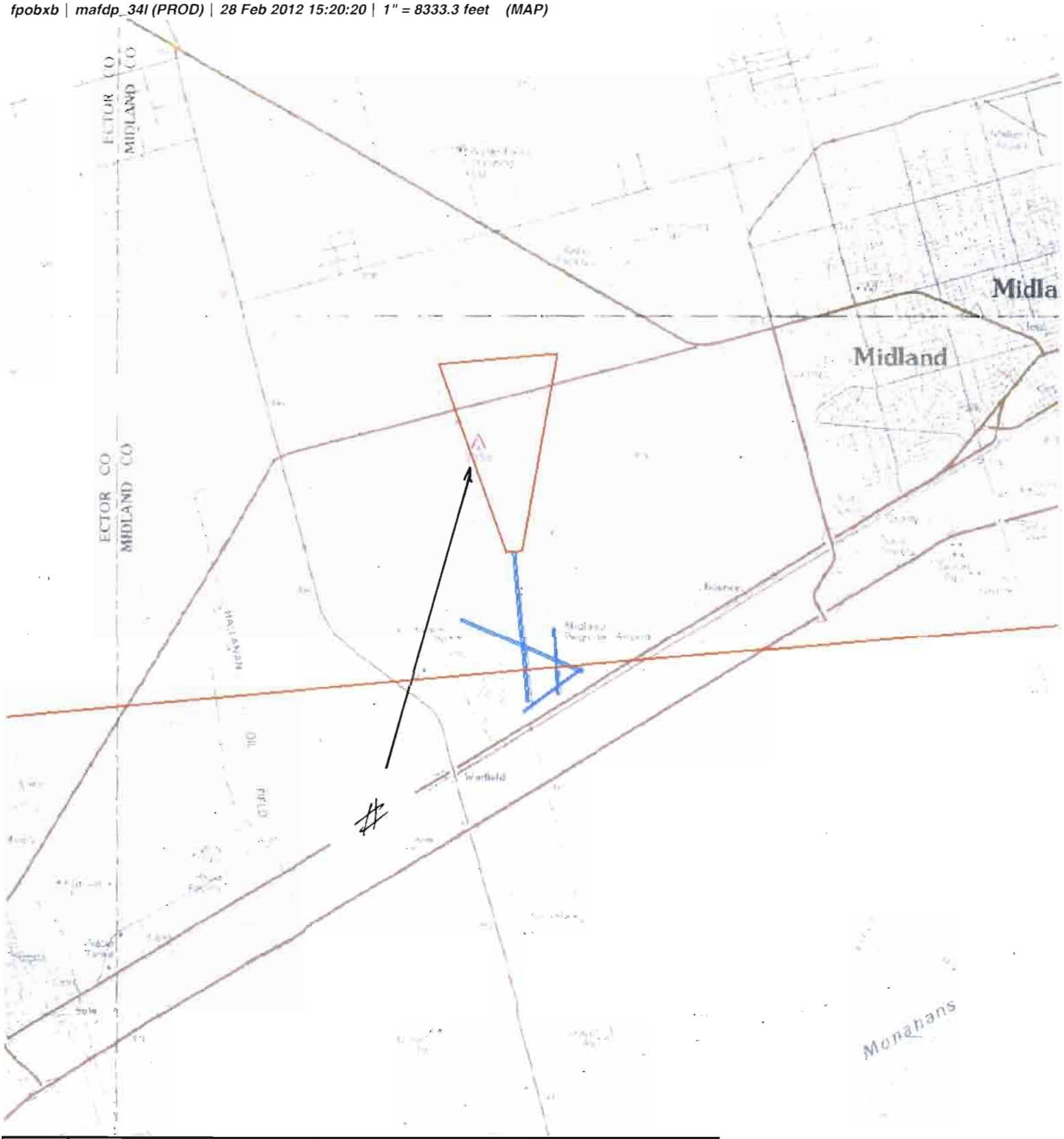


Airport ID:	KMAF	FM 9			
Apt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND		ICA	ASC	
State:	TEXAS				
Proc ID:	DP				
Amdt #:	AMDT 1				
Rwy:	RWY 28				
Scale:	1:100,000				

NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpobxb | mafdp_34l (PROD) | 28 Feb 2012 15:20:20 | 1" = 8333.3 feet (MAP)

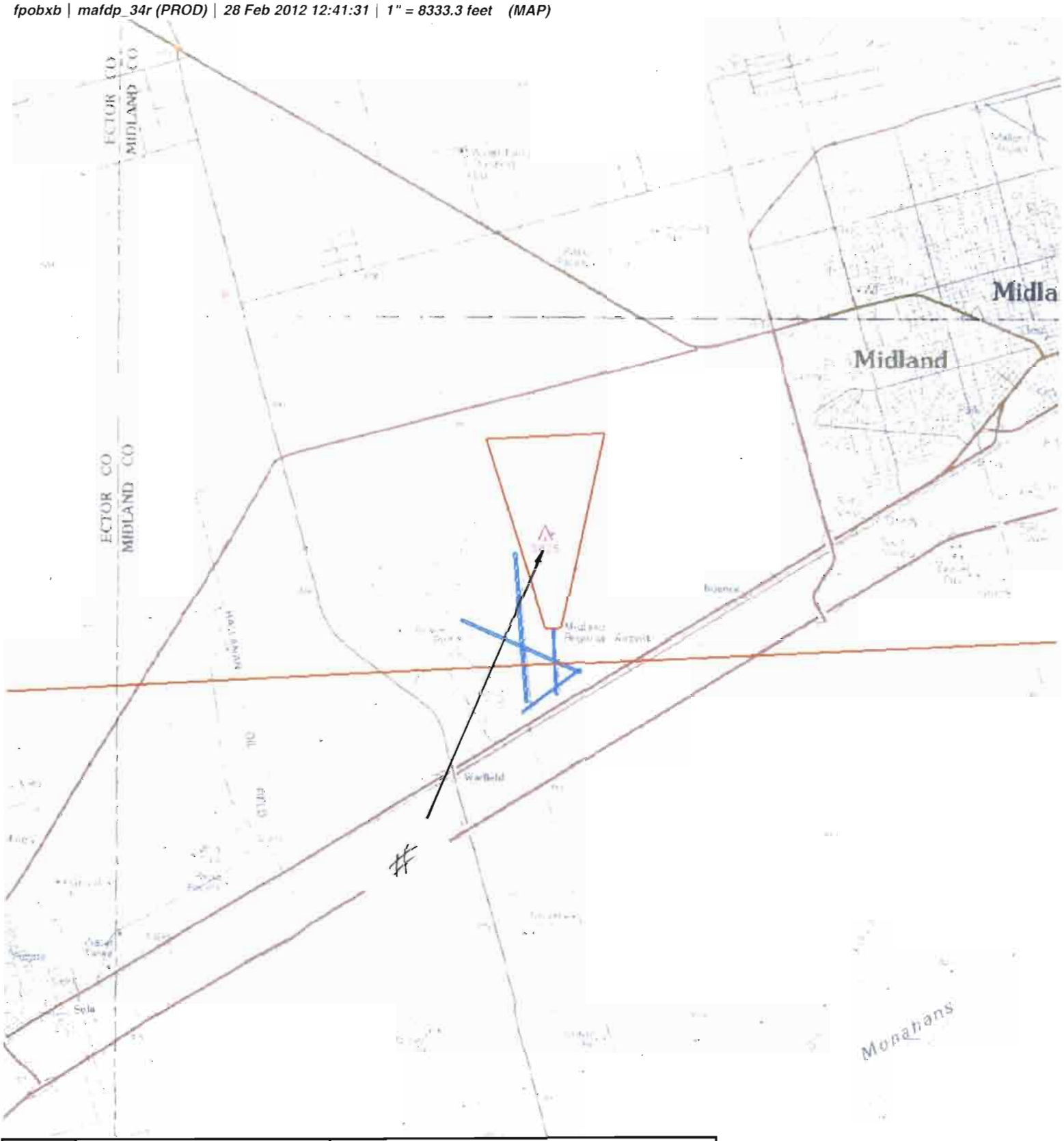


Airport ID:	KMAF				
Apt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND	#	ICA	RIG	3056
State:	TEXAS				
Proc ID:	DP				
Amdt #:	AMDT 1				
Rwy:	RWY 34L				
Scale:	1:100,000				

NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpobxb | mafdp_34r (PROD) | 28 Feb 2012 12:41:31 | 1" = 8333.3 feet (MAP)



Airport ID:	KMAF	FM 9			
Apt Name:	MIDLAND INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	MIDLAND	1	ICA	RIG	3025
State:	TEXAS				
Proc ID:	DP				
Amdt #:	AMDT 1				
Rwy:	RWY 34R				
Scale:	1:100,000				

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
MIDLAND, TX	MIDLAND INTL		1

REMARKS:

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY;

JILL OLSON (BRIAN BERUBEE) AJV-353 3/19/2012

APPROVED BY:

LARRY STROUT AJV-353

COORDINATED WITH:

ATA, ALPA, AOPA, NBAA, APA, MAF APP CON/ATCT, AMGR

CHANGES:

1. UPDATED LOW CLOSE IN OBSTACLES
2. ADDED CLIMB GRADIENT AND VISIBILITY TO RUNWAY 34L
3. ADDED CLIMB GRADIENT AND VISIBILITY TO RUNWAY 34R

REASONS:

1.OBSTACLE STUDY
2/3. MITIGATES SURFACE PENETRATIONS

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
MIDLAND, TX	MIDLAND INTL		1

TAKEOFF MINIMUMS:

RWY 04, 10, 16L, 16R, 22, 28, STANDARD.

RWY 34L, 300-1 ½ OR STANDARD WITH MINIMUM CLIMB OF 400 FEET PER NM TO 3200.

RWY 34R, 300-1 ¼ OR STANDARD WITH MINIMUM CLIMB OF 320 FEET PER NM TO 3200.

TEXTUAL DEPARTURE PROCEDURES:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 04, TREES BEGINNING 24 FT FROM DER, 34 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/2903 FT MSL. RODS, TOWERS, AND DOMES BEGINNING 1231 FT FROM DER, 442 FT LEFT OF CENTERLINE, UP TO 108 FT AGL/2963 FT MSL.

NOTE: RWY 10, RODS, ANTENNAS, AND LIGHTS BEGINNING 72 FT FROM DER, 40 FT RIGHT OF CENTERLINE, UP TO 20 FT AGL/2874 FT MSL. TREES, POLES, AND SIGNS BEGINNING 1296 FT FROM DER, 457 FT LEFT OF CENTERLINE, UP TO 40 FT AGL/2913 FT MSL.

NOTE: RWY 16L, SIGNS AND POLES BEGINNING 94 FT FROM DER, 20 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/ 2877 FT MSL. RAILROAD BEGINNING 530 FT FROM DER, 17 FT LEFT OF CENTERLINE, 23 FT AGL/2869 FT MSL. VEHICLES ON ROAD BEGINNING 301 FT FROM DER, 268 FT LEFT OF CENTERLINE, 17 FT AGL/2862 FT MSL.

NOTE: RWY 16R, POLE 1794 FT FROM DER, 975 FT RIGHT OF CENTERLINE, 55 FT AGL/2906 FT MSL.

NOTE: RWY 22, TOWER, POLES, LIGHTS, AND ANTENNA BEGINNING 111 FT FROM DER, 66 FT RIGHT OF CENTERLINE, UP TO 102 FT AGL/2986 FT MSL. HANGARS 1112 FT FROM DER, 600 FT RIGHT OF CENTERLINE, 55 FT AGL/2906 FT MSL. TOWER, POLES, AND SIGN BEGINNING 83 FT FROM DER, 62 FT LEFT OF CENTERLINE, UP TO 120 FT AGL/2971 FT MSL.

NOTE: RWY 34L, DRILLING RIGS BEGINNING 201 FT FROM DER, 178 FT RIGHT OF CENTERLINE, UP TO 165 FT AGL/3037 FT MSL. DRILLING RIGS BEGINNINING 3228 FT FROM DER, 769 FT LEFT OF CENTERLINE, 165 FT AGL/3056 FT MSL.

NOTE: RWY 34R, VEHICLES ON ROAD BEGINNING 256 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/2881 FT MSL.TREES AND BUSHES BEGINNING 171 FT FROM DER, 80 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/2878 FT MSL. POLES AND FENCE BEGINNING 28 FEET FROM DER, 109 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/2903 FT MSL. FENCE BEGINNING 83 FT FROM DER, 271 FT LEFT OF CENTERLINE, 8 FT AGL/2872 FT MSL. WINDMILL, POLES AND TREES BEGINNING 1239 FT FROM DER, 116 FT LEFT OF CENTERLINE, UP TO 66 FT AGL/2913 FT MSL. DRILLING RIG 5540 FT FROM DER, 267 FT LEFT OF CENTERLINE, 165 FT AGL/3025 FT MSL.

CONTROLLING OBSTACLES:

RWY 34L, 3056 FT MSL DRILLING RIG 315837.68N/1021246.27W

RWY 34R, 3025 FT MSL DRILLING RIG 315741.08N/1021157.15W

QUALITY CHECKED