

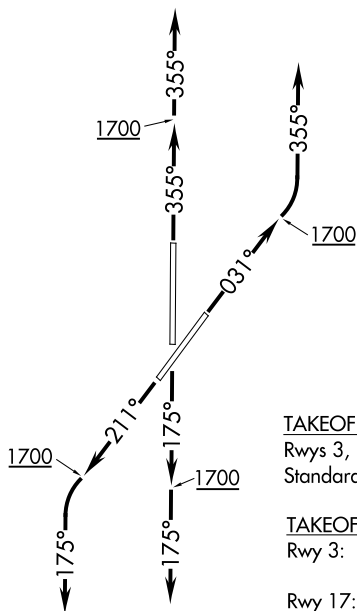
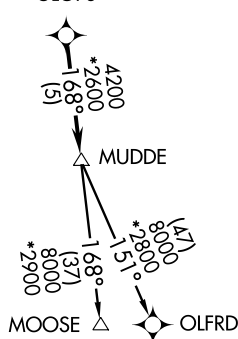


Flight Procedure Tracking Form		Action: AMENDMENT	Task Type: SID	Date Open: 07/22/2015	Task #: 2015072230181001003	Request #: 20150722301810
Procedure: SID MUDDE (RNAV) TWO NORMAN OK KOUN			Airport ID: KOUN	Airport: UNIVERSITY OF OKLAHOMA WESTHEIMER		Reimbursable #: NO
City: NORMAN	ST: OK	GPS #:	Estimated Chart Date: 05/26/2016		FICO #:	
Fac ID: N/A		Fac. Type:			Specialist: JEFFREY ROBINSON	
Procedure Review						
	Rec'd	Rel'd	Full Name	Comments		
Lead:	12/01/2015			<div style="text-align: right;">  </div>		
QA:						
Liaison:						
Procedure Comments:			Remark Type: INFORMATION			
MAGVAR UPDATE: KOUN OLD 7E/1985; NEW 3E/2020. PENDING DATA USED FOR KOUN AIRPORT. REQUEST TABLE TOP ONLY FC EVAL. CONTACT: GEORGE GONZALEZ / JACOB POWERS, 405-954-2884 / 8702. <div style="text-align: right;">  </div>						

UNIVERSITY OF OKLAHOMA WESTHEIMER (OUN)



GLOPS



AWOS-3
119.55
GND CON
121.6
WESTHEIMER TOWER*
118.0
OKE CITY DEP CON
120.45 288.325

TAKEOFF MINIMUMS:

Rwys 3, 17, 21, 35:

Standard with minimum climb of 500' per NM to 1700.

TAKEOFF OBSTACLES NOTES:

Rwy 3: Tower and elevators beginning 1451' from DER, 359' right of centerline, up to 59' AGL/1236' MSL.

Rwy 17: Tree 97' from DER, 449' right of centerline, 32' AGL/1208' MSL.

Rwy 21: Tree 162' from DER, 461' right of centerline, 25' AGL/1201' MSL. Trees beginning 874' from DER, 484' right of centerline, up to 27' AGL/1208' MSL. Trees beginning 1211' from DER, 463' left of centerline, up to 39' AGL/1210' MSL. Light pole 1243' from DER, 745' right of centerline, 32' AGL/1213' MSL.

Rwy 35: Poles beginning 700' from DER, 518' right of centerline, up to 44' AGL/1215' MSL.

NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTON

TAKEOFF RWY 3: Climb on heading 031° to 1700, then left turn heading 355° or as assigned by ATC, expect radar vectors to GLOPS, thence . . .

TAKEOFF RWY 17: Climb on heading 175° to 1700, then heading 175° or as assigned by ATC, expect radar vectors to GLOPS, thence . . .

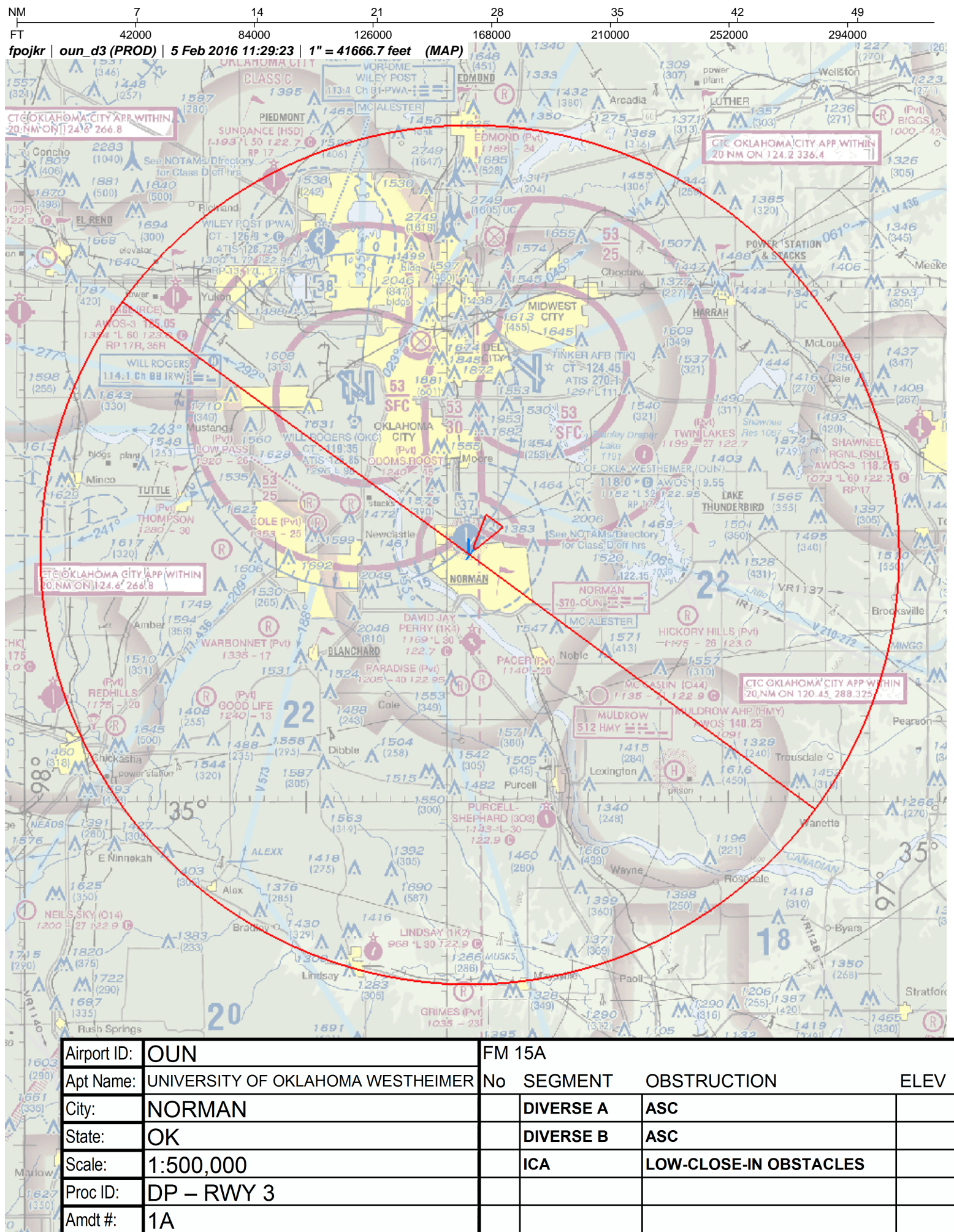
TAKEOFF RWY 21: Climb on heading 211° to 1700, then left turn heading 175° or as assigned by ATC, expect radar vectors to GLOPS, thence . . .

TAKEOFF RWY 35: Climb on heading 355° to 1700, then heading 355° or as assigned by ATC, expect radar vectors to GLOPS, thence . . .

. . . on track 168° to MUDDE, then on (transition). Maintain 3000 or as assigned by ATC. Expect filed altitude 10 minutes after departure.

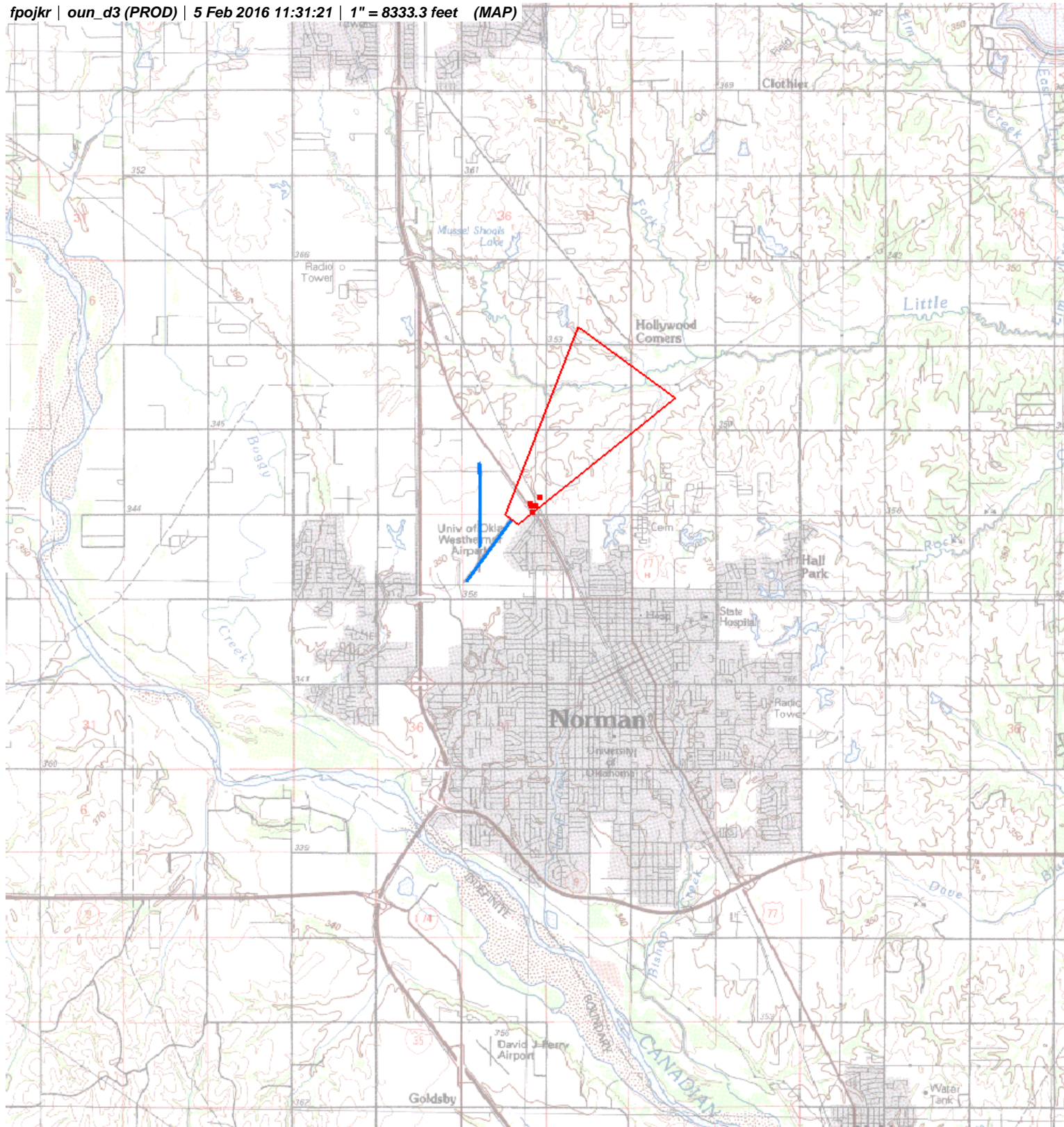
MOOSE TRANSITION (MUDDE1.MOOSE):

OLFRD TRANSITION (MUDDE1.OLFRD):

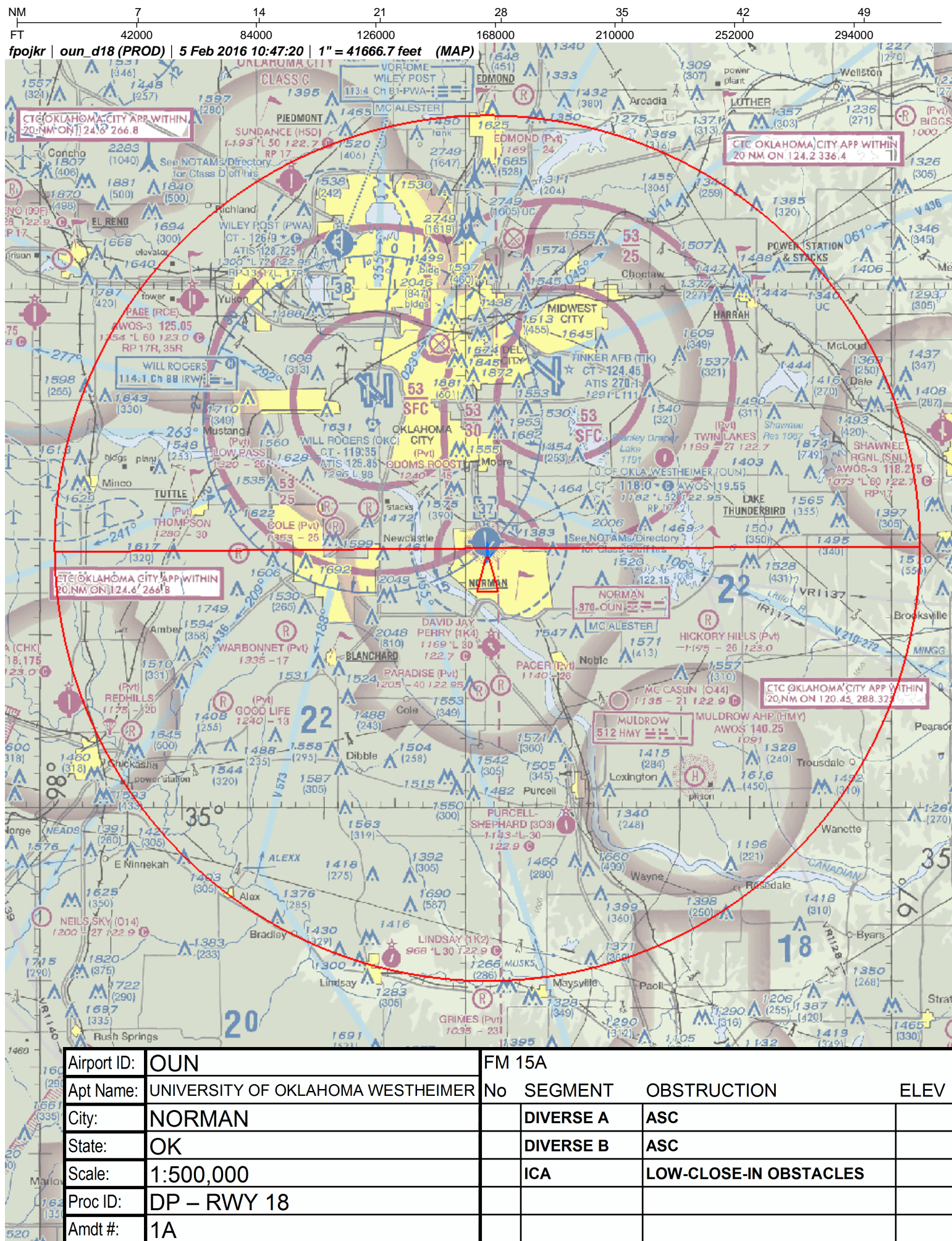


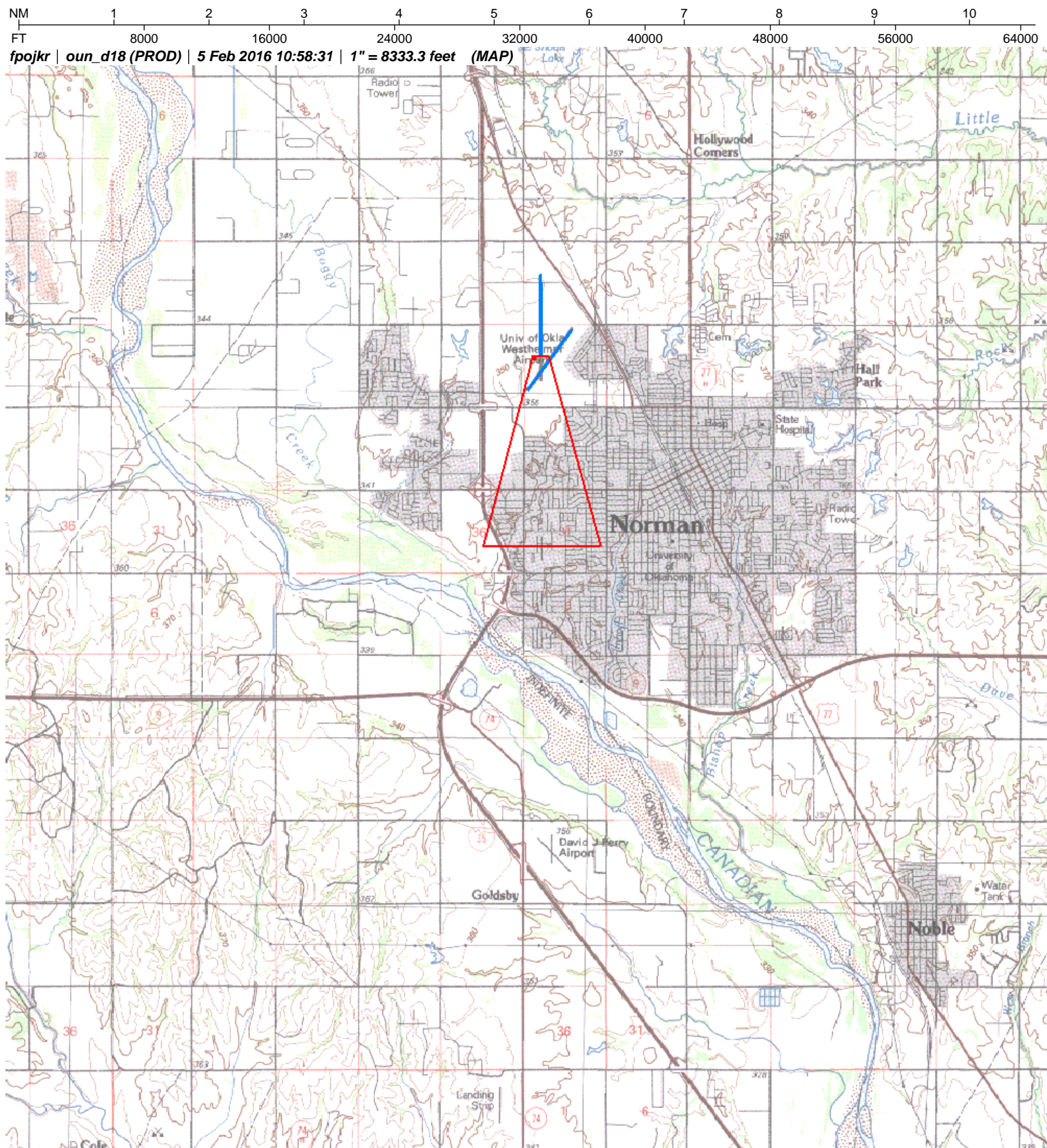
NM 1 2 3 4 5 6 7 8 9 10
 FT 8000 16000 24000 32000 40000 48000 56000 64000

fpojkr | oun_d3 (PROD) | 5 Feb 2016 11:31:21 | 1" = 8333.3 feet (MAP)



Airport ID:	OUN	FM 15A			
Apt Name:	UNIVERSITY OF OKLAHOMA WESTHEIMER	No	SEGMENT	OBSTRUCTION	ELEV
City:	NORMAN		ICA	LOW-CLOSE-IN OBSTACLES	
State:	OK				
Scale:	1:100,000				
Proc ID:	DP – RWY 3				
Amdt #:	1A				

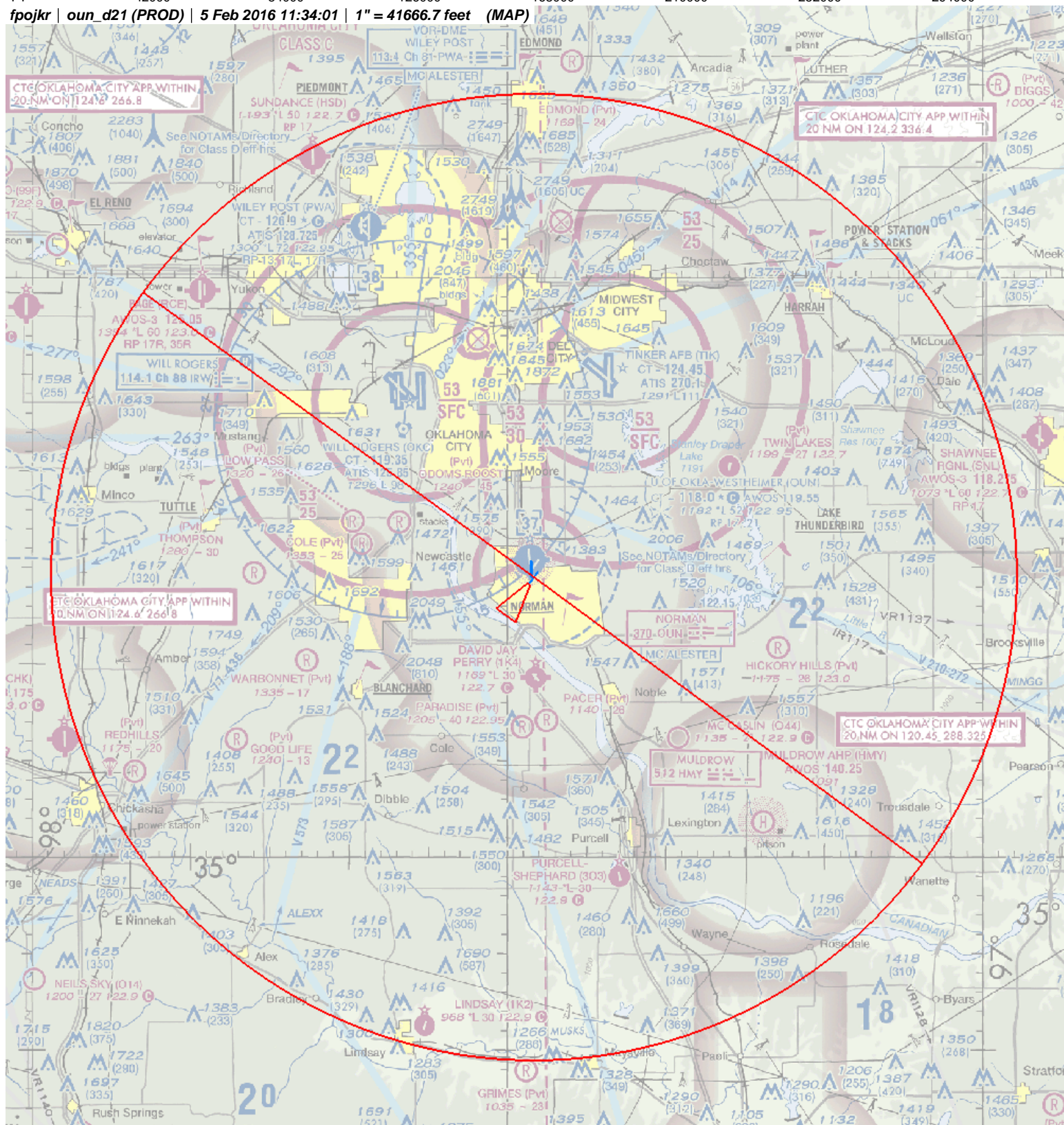




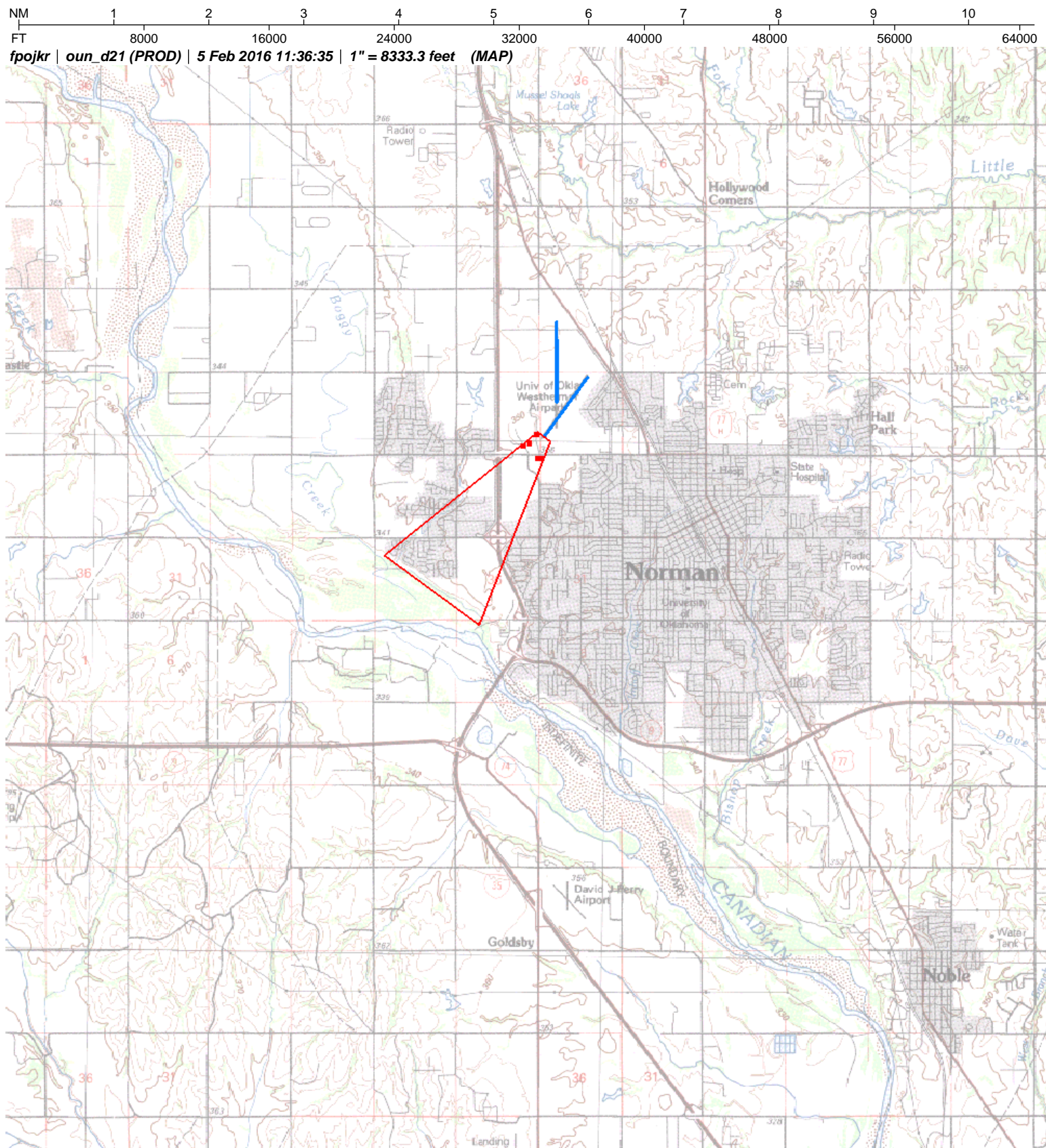
Airport ID:	OUN	FM 15A			
Apt Name:	UNIVERSITY OF OKLAHOMA WESTHEIMER	No	SEGMENT	OBSTRUCTION	ELEV
City:	NORMAN		ICA	LOW-CLOSE-IN OBSTACLES	
State:	OK				
Scale:	1:100,000				
Proc ID:	DP – RWY 18				
Amdt #:	1A				

NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000

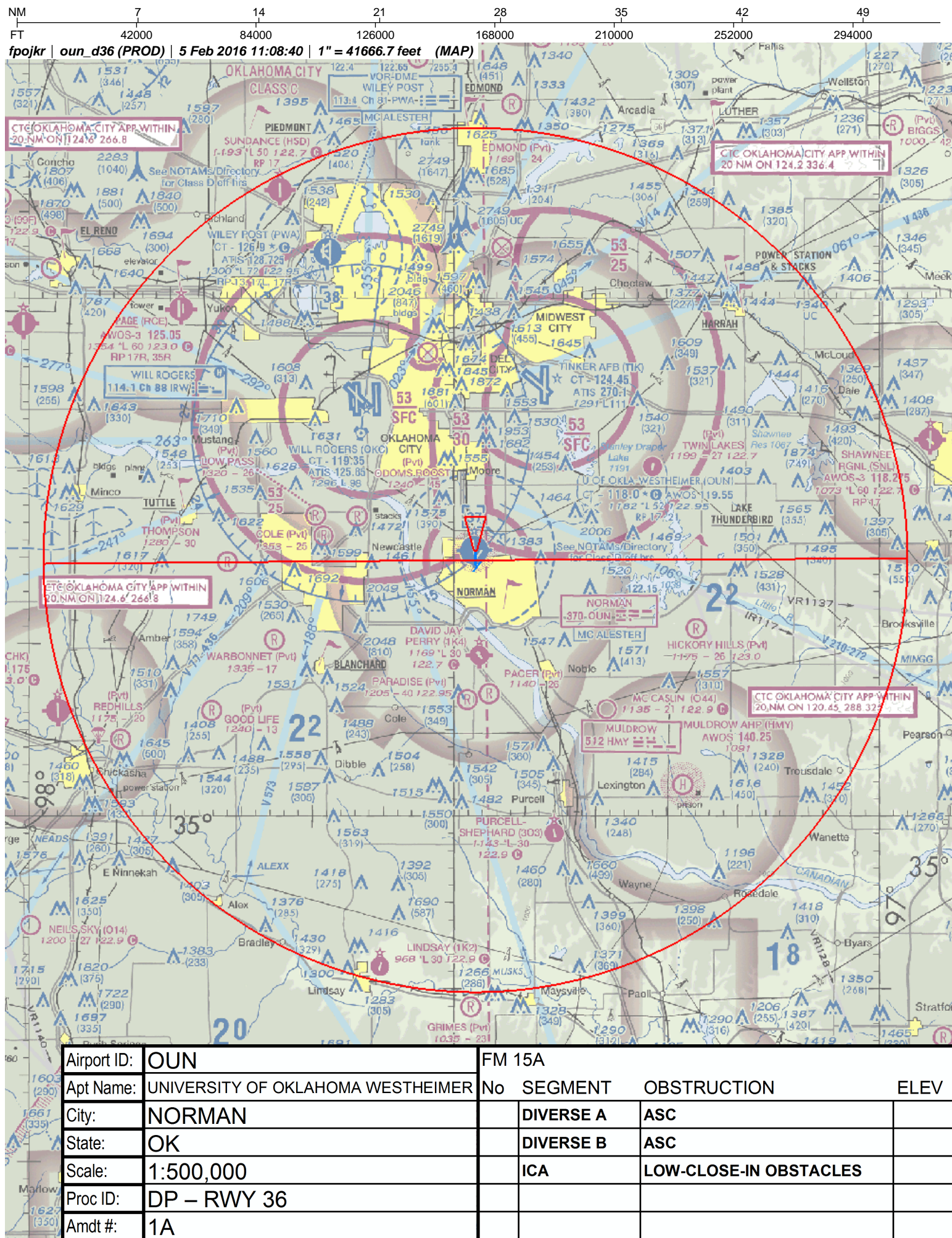
fpojkr | oun_d21 (PROD) | 5 Feb 2016 11:34:01 | 1" = 41666.7 feet (MAP)



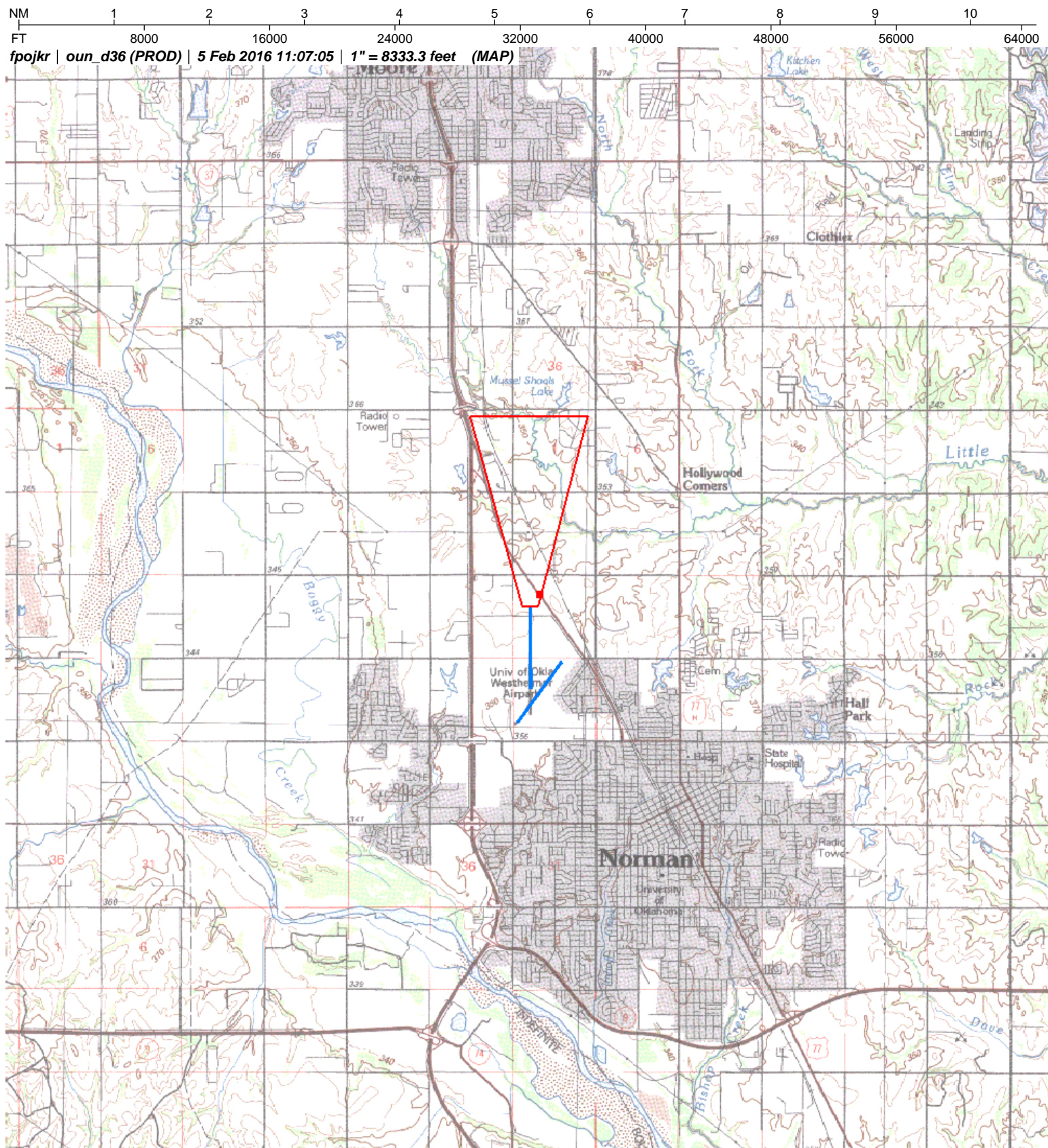
Airport ID:	OUN	FM 15A			
Apt Name:	UNIVERSITY OF OKLAHOMA WESTHEIMER	No	SEGMENT	OBSTRUCTION	ELEV
City:	NORMAN		DIVERSE A	ASC	
State:	OK		DIVERSE B	ASC	
Scale:	1:500,000		ICA	LOW-CLOSE-IN OBSTACLES	
Proc ID:	DP – RWY 21				
Amdt #:	1A				



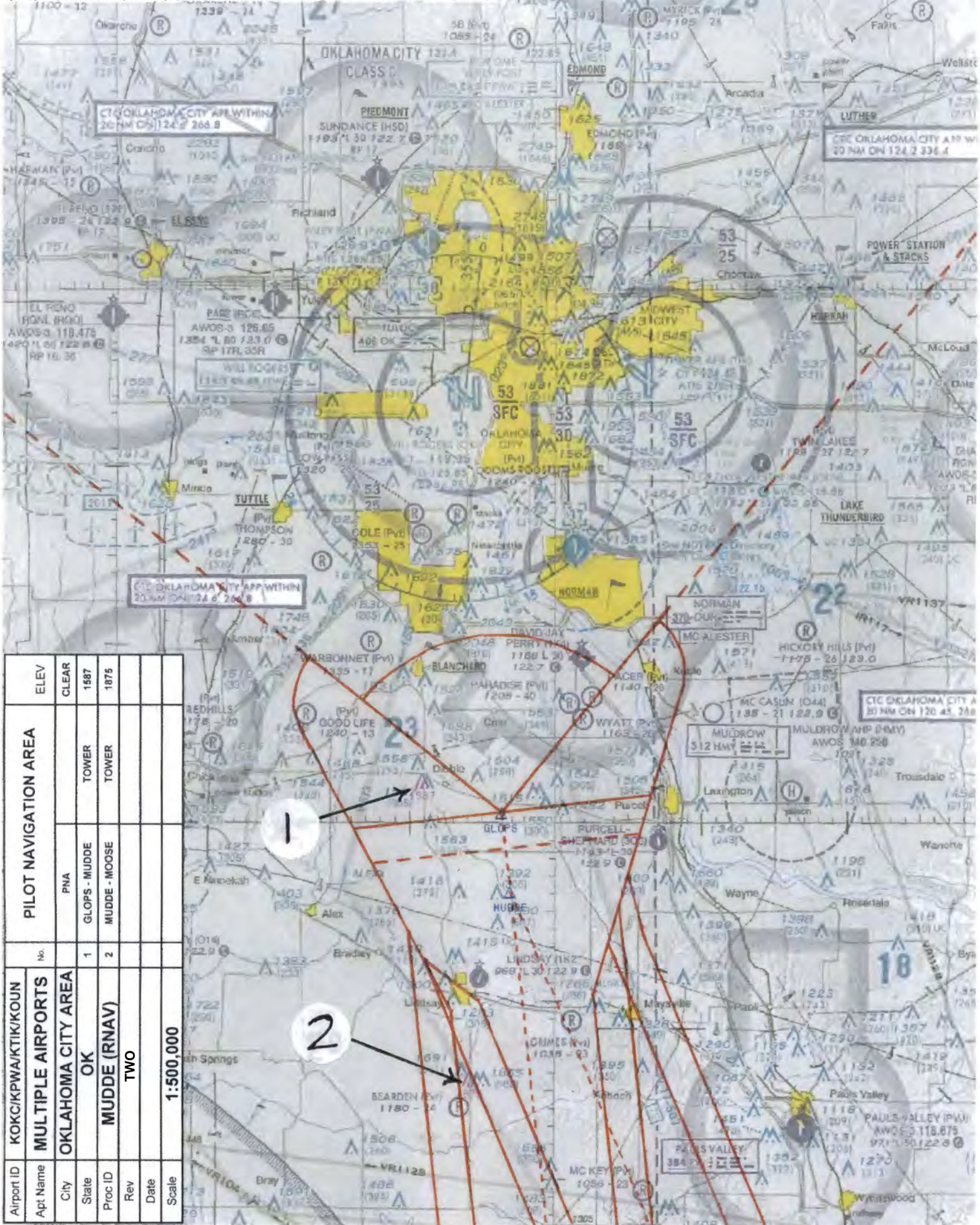
Airport ID:	OUN	FM 15A			
Apt Name:	UNIVERSITY OF OKLAHOMA WESTHEIMER	No	SEGMENT	OBSTRUCTION	ELEV
City:	NORMAN		ICA	LOW-CLOSE-IN OBSTACLES	
State:	OK				
Scale:	1:100,000				
Proc ID:	DP – RWY 21				
Amdt #:	1A				



Airport ID:	OUN	FM 15A			
Apt Name:	UNIVERSITY OF OKLAHOMA WESTHEIMER	No	SEGMENT	OBSTRUCTION	ELEV
City:	NORMAN		DIVERSE A	ASC	
State:	OK		DIVERSE B	ASC	
Scale:	1:500,000		ICA	LOW-CLOSE-IN OBSTACLES	
Proc ID:	DP – RWY 36				
Amdt #:	1A				



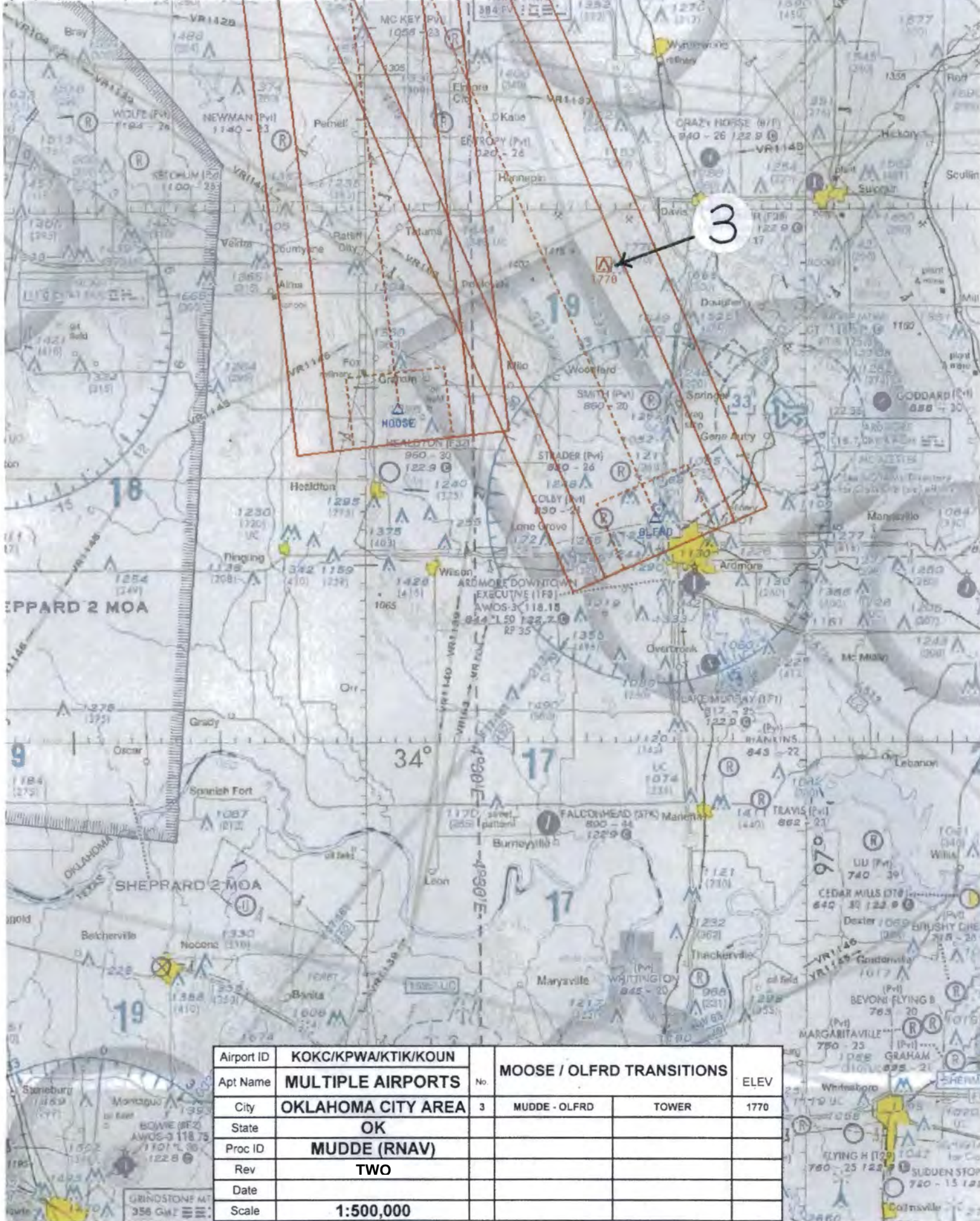
Airport ID:	OUN	FM 15A			
Apt Name:	UNIVERSITY OF OKLAHOMA WESTHEIMER	No	SEGMENT	OBSTRUCTION	ELEV
City:	NORMAN		ICA	LOW-CLOSE-IN OBSTACLES	
State:	OK				
Scale:	1:100,000				
Proc ID:	DP – RWY 36				
Amdt #:	1A				



Pilot Navigation Area		ELEV	
CLEAR		1587	
TOWER		1875	
PNA			
1 GLOPS - MUDE			
2 MUDE - MOOSE			
No.			
1			
2			
OK			
MUDE (RNAV)			
TWO			
Scale		1:500,000	

NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000

fpospn | mudde1 (PROD) | 24 Jul 2013 12:46:45 | 1" = 41666.7 feet (MAP)



Airport ID	KOKC/KPWA/KTIK/KOUN	MOOSE / OLFRD TRANSITIONS			
Apt Name	MULTIPLE AIRPORTS	No.	ELEV		
City	OKLAHOMA CITY AREA	3	MUDE - OLFRD	TOWER	1770
State	OK				
Proc ID	MUDE (RNAV)				
Rev	TWO				
Date					
Scale	1:500,000				

FIPC DME/DME FORM						
PROCEDURE: SID,MUDDE (RNAV) ,ONE,OKLAHOMA CITY ,OK,KOKC,!			AIRPORT NAME: WILL ROGERS WORLD		AIRPORT ID: KOKC	SPECIAL CONTROL NO: OG-05-019-14
FAC ID: MUDDE1		CITY: OKLAHOMA CITY			ST: OK	ORIG CHART DATE: 07/24/2014
DFL TYPE: PROC/D	THIRD PARTY: <input type="checkbox"/> YES	EST. TIME ON SITE: 0.5	REIMB. NUMBER:	PTS TASK ID:		
PREFLIGHT NOTES						
REVIEWER: edward w mesa					DATE: 05/07/2014	
COMMENTS:					CHECK ONE:	
					<input checked="" type="checkbox"/> FLT CK REQ <input type="checkbox"/> NRCR <input type="checkbox"/> REJECT	
						YES NO
					CPV COMPLETE?	X
PROCEDURE RESULTS						
INSPECTION DATE: 05/07/2014	CREW #: VN283	N #: N54	INSTRUMENT PROCEDURE STATUS: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT		ARINC CODING: <input type="checkbox"/> SAT <input checked="" type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT	
FLIGHT INSPECTOR SIGNATURE: edward w mesa @ 05/07/2014 15:05			PRINTED NAME: MESA, EDWARD WILLIAM			NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
FLIGHT INSPECTOR REMARKS:						
DME/DME STATUS: <input type="checkbox"/> SAT <input type="checkbox"/> UNSAT		SPECIALIST SIGNATURE:			PRINTED NAME:	
SPECIALIST REMARKS:						
IN-FLIGHT OBSTACLE REPORT						
OBSTRUCTION ID #:	COORDINATES OR LOCATION:	GNSS ALTITUDE (MSL):	BAROMETRIC ALTITUDE (MSL):	HEIGHT ABOVE GROUND LEVEL:		



Federal Aviation Administration

Memorandum

MAY 20 2014

Date:

To: Dick Powell, Manager, National Flight Data Center, AJV-21

From: George Gonzalez, Manager - Central Products Team, AJV-353

Subject: **ACTION:** National Flight Data Digest Submission

The attached FAA Form(s) for Will Rogers World, Oklahoma City, OK (KOKC) are submitted for entry into the NFDD.

8260-15B FUNNL ONE
KRMSN ONE
MUDDE ONE
OLGUY ONE
RDHWK ONE
SSYKO ONE
STPHN ONE
TEBRD ONE
THRPE ONE
TRUPR ONE
WENDY ONE

8260-2 ATOKA, OK REV 5*
BEEDI, OK ORIG*
CASTN, OK REV 3*
FLECH, OK REV 4*
GGOLD, OK ORIG
GRUVN, OK ORIG
HNGER, OK ORIG
KAYOS, OK ORIG
LARKO, OK REV 3*
MOOSE, OK REV 3*
OHYOU, OK ORIG
OLGUY, OK REV 1*
PHARA, OK REV 3*
BASSR, OK ORIG*
BFFFY, OK ORIG*
COORT, OK ORIG*
FUNNL, OK REV 1*
GLOPS, OK ORIG
GTYER, OK ORIG
HOLLE, OK REV 8*
KRMSN, OK REV 1*
MOOON, OK ORIG
MUDDE, OK REV 2*
OLFRD, OK ORIG
OLMPC, OK ORIG
POKSS, OK ORIG

CONCURRENCES
ROUTING SYMBOL
AJV-34
MBeen
INITIALS/SIG
MB
DATE
5/19/14
ROUTING SYMBOL
AJV-353
Specialist
INITIALS/SIG
PC
DATE
5-19-14
ROUTING SYMBOL
AJV-353
Lead
INITIALS/SIG
PC
DATE
5-19-14
ROUTING SYMBOL
AJV-353
GGonzalez
INITIALS/SIG
PC
DATE
5-19-14
ROUTING SYMBOL
AJV-34
RCawthra
INITIALS/SIG
PC
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AJV-34
MBeen
INITIALS/SIG
MB
DATE
5/20/14
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INITIALS/SIG
DATE
ROUTING SYMBOL
INITIALS/SIG
DATE

RDHWK, OK REV 1*	SQRRL, OK ORIG
SSYKO, OK ORIG	STPHN, OK REV 1*
SWTZR, OK ORIG	TEVRD, OK REV 1*
THRPE, OK ORIG	TRUPR, OK ORIG
VOWED, OK ORIG	WENDY, OK REV 4*
WICKS, OK ORIG	YOUSE, OK ORIG
ZEEWE, OK ORIG	

REQUESTING PUBLICATION: 24 JULY 2014

Attachments

*Asterisk denotes enroute fix

Flight Procedure Tracking Form		Action: FLIGHT CHECK	Task Type: SID	Date Open: 01/31/2012	Task #: 2012013123853311003	Request #: 20120131238533
Procedure: SID MUDDE (RNAV) ONE OKLAHOMA CITY OK KOKC			Airport ID: KOKC	Airport: WILL ROGERS WORLD		Reimbursable #:
City: OKLAHOMA CITY		ST: OK	GPS #:	Estimated Chart Date: 07/24/2014		FICO #: 1127091
Fac ID:		Fac. Type:		Specialist: STEVE NELSON		
Procedure Review						
	Rec'd	Rel'd	Full Name	Comments		
Lead:	07/10/2013	03/28/2014	JILL OLSON			
QA:	03/28/2014	03/28/2014	SCOTT BEARD			
Liaison:	03/28/2014		MARY MCDONALD	RESUBMIT 4/29/14		
Procedure Comments:			ENROUTE	Remark Type: INFORMATION		
CONTACT: JILL OLSON/MARK SADORRA, AJV-353 LEADS, 405.954.0414/4546.						

Flight Procedure Tracking Form		Action: FLIGHT CHECK	Task Type: SID	Date Open: 01/31/2012	Task #: 2012013123853308004	Request #: 20120131238533
Procedure: SID MUDDE (RNAV) ONE OKLAHOMA CITY OK KOKC			Airport ID: KOKC	Airport: WILL ROGERS WORLD		Reimbursable #:
City: OKLAHOMA CITY		ST: OK	GPS #:	Estimated Chart Date: 07/24/2014		FICO #: 1122746
Fac ID:		Fac. Type:	Specialist: STEVE NELSON			
Procedure Review						
	Rec'd	Rel'd	Full Name	Comments		
Lead:	07/10/2013	03/28/2014	JILL OLSON			
QA:	03/28/2014	03/28/2014	SCOTT BEARD			
Liaison:	03/28/2014		MARY MCDONALD			
Procedure Comments:			ENROUTE	Remark Type: INFORMATION		
<p>ESV(S): (2); LAWTON (LAW) VDME (1); BOWIE (UKW) VTAC (1).</p> <p>CONTACT: JILL OLSON/MARK SADORRA, AJV-353 LEADS, 405.954.0414/4546.</p> <p>4/28 Resubmit to FC PNA changed from 10nm to 7nm. O.O.</p>						

Flight Procedure Tracking Form		Action: NEW	Task Type: SID	Date Open: 01/31/2012	Task #: 2012013123853301001	Request #: 20120131238533
Procedure: SID MUDDE (RNAV) ONE OKLAHOMA CITY OK KOKC			Airport ID: KOKC	Airport: WILL ROGERS WORLD		Reimbursable #:
City: OKLAHOMA CITY		ST: OK	GPS #:		Estimated Chart Date: 02/06/2014	FICO #:
Fac ID:		Fac. Type:		Specialist: STEVE NELSON		
Procedure Review						
	Rec'd	Rel'd	Full Name	Comments		
Lead:						
QA:	7/21/12			<div style="text-align: center;">  </div>		
Liaison:						
Procedure Comments:			Remark Type: INFORMATION			
<p>ENROUTE</p> <p>ESV(S): (2); LAWTON (LAW) VDME (1); BOWIE (UKW) VTAC (1). ATTACHED FORMS: 8260-15B, 8260-15C 8260-2(S): GLOPS, ORIG; MOOSE INT, REV 3; MUDDE INT, REV 2; OLFRD, ORIG. CONTACT: JILL OLSON/MARK SADORRA, AJV-353 LEADS, 405.954.0414/4546.</p>						

Diverse Departure Assessment

Diverse Departure Assessment

Diverse Area Radius:	25.00 NM	Procedure Type Validation Case #:	Case 9
Penetrations Exist:	Yes	Greatest OCS Penetration:	241.27 ft
Minimum Climb Gradient:	237 ft/NM	Minimum CG Termination Altitude:	3300 ft
Runway Length Reduction:	---	Reduced Take-off Length:	---

Diverse Departure Assessment - ICA Data

DER Crossing Height:	0 ft	Termination Height above DER:	400 ft
Length:	2.00 NM	Termination Altitude:	1627.09 ft
OCS Start Elevation:	1227.09 ft	OCS End Elevation:	1530.90 ft
Termination Point Latitude:	35° 26' 48.36" N (35° 26.806' N)		
Termination Point Longitude:	097° 26' 06.29" W (097° 26.105' W)		

Diverse Departure Assessment - Low Close-In Obstacles

#	Description	Latitude	Longitude	Reported Height	Effective Height	AGL Height	Penetration	Area	Distance along CL	Offset from CL	Lit
3282	trees	35° 26' 00.29" N (35° 26.005' N)	097° 24' 28.58" W (097° 24.476' W)	1245.00 ft	1295.00 ft	28.00 ft	0.08 ft	ICA	2862 ft	1641 ft R	No
3281	monument	35° 25' 49.01" N (35° 25.817' N)	097° 24' 18.32" W (097° 24.305' W)	1264.00 ft	1274.00 ft	41.00 ft	12.41 ft	ICA	1473 ft	1337 ft R	No
3277	trees	35° 25' 47.93" N (35° 25.799' N)	097° 24' 24.36" W (097° 24.406' W)	1267.00 ft	1268.00 ft	47.00 ft	7.68 ft	ICA	1778 ft	927 ft R	Yes

Diverse Departure Assessment - Penetrating Obstacles Within Extended ICA

#	Description	Latitude	Longitude	Reported Height	Effective Height	AGL Height	Penetration	CG	CG Termination Altitude	Ceiling	Visibility	Area	Effective Distance from ICAB	Lit
5899ab8d	tower	35° 26' 55.80" N (35° 26.930' N)	097° 25' 23.40" W (097° 25.390' W)	1377.00 ft	1427.00 ft	170.00 ft	-43.91 ft	---	---	---	---	ICA	1.6 NM	No

Diverse Departure Assessment - Penetrating Obstacles Outside Extended ICA

#	Description	Latitude	Longitude	Reported Height	Effective Height	AGL Height	Penetration	CG	CG Termination Altitude	Ceiling	Visibility	Area	Effective Distance from ICAB	Lit
519017e6	tower	35° 32' 57.57" N (35° 32.960' N)	097° 29' 18.88" W (097° 29.315' W)	2731.00 ft	2743.00 ft	1600.00 ft	234.88 ft	237 ft/ NM	3222 ft	1500 ft	3.00 SM	Diverse A	8.4 NM	Yes
a57155ea	tower	35° 33' 36.96" N (35° 33.616' N)	097° 29' 07.63" W (097° 29.127' W)	2749.00 ft	2799.00 ft	1605.00 ft	224.21 ft	234 ft/ NM	3296 ft	1600 ft	3.00 SM	Diverse A	8.9 NM	Yes
4a2f8b3e	tower	35° 32' 58.00" N (35° 32.967' N)	097° 29' 50.00" W (097° 29.833' W)	2729.00 ft	2779.00 ft	1575.00 ft	241.27 ft	237 ft/ NM	3270 ft	1500 ft	3.00 SM	Diverse A	8.6 NM	Yes
9f8afc28	building	35° 28' 01.25" N (35° 28.021' N)	097° 31' 03.76" W (097° 31.063' W)	2164.00 ft	2174.00 ft	965.00 ft	34.75 ft	208 ft/ NM	2474 ft	900 ft	3.00 SM	Diverse A	6.0 NM	Yes
149abcf0	tower	35° 33' 44.74" N (35° 33.746' N)	097° 29' 24.68" W (097° 29.411' W)	2664.00 ft	2676.00 ft	1501.00 ft	56.06 ft	208 ft/ NM	3134 ft	1400 ft	3.00 SM	Diverse A	9.2 NM	Yes