



<b>Flight Procedure Tracking Form</b>		<b>Action:</b> FLIGHT CHECK	<b>Task Type:</b> IAP	<b>Date Open:</b> 01/07/2015	<b>Task #:</b> 2015010724811601001	<b>Request #:</b> 20150107248116
<b>Procedure:</b> ILS OR LOC RWY 35L AMDT 38			<b>Airport ID:</b> KCOS	<b>Airport:</b> CITY OF COLORADO SPRINGS MUNI		<b>Reimbursable #:</b> NO
<b>City:</b> COLORADO SPRINGS	<b>ST:</b> CO	<b>GPS #:</b>	<b>Estimated Chart Date:</b> 05/26/2016		<b>FICO #:</b>	
<b>Fac ID:</b> COS		<b>Fac. Type:</b> ILS			<b>Specialist:</b> SCOTT STEVENSON	
<b>Procedure Review</b>						
	<b>Rec'd</b>	<b>Rel'd</b>	<b>Full Name</b>	<b>Comments</b>		
<b>Lead:</b>	12/04/2015			<div style="text-align: right;">  </div>		
<b>QA:</b>						
<b>Liaison:</b>						
<b>Procedure Comments:</b>			ENROUTE	<b>Remark Type:</b> INFORMATION		
<div> ENROUTE <div style="text-align: right;">  </div> </div> <div> PENDING DATA USED FOR PUB VORTAC, BRK VOR/DME AND I-COS.  ASSIGNED MAGVAR: PUB VTAC OLD 13E - NEW 8E; BRK VDME OLD 13E - NEW 8E.  CANCEL FDC NOTAM 5/2443 UPON PUBLICATION OF THIS PROCEDURE.   CONTACT: ALLAN WILL/LONNIE EVERHART; AJV-5430 MGRS; 405-954-6103/4576. </div>						

LOC I-COS	APP CRS	Rwy Idg	11022
109.9	351°	TDZE	6075
		Apt Elev	6187

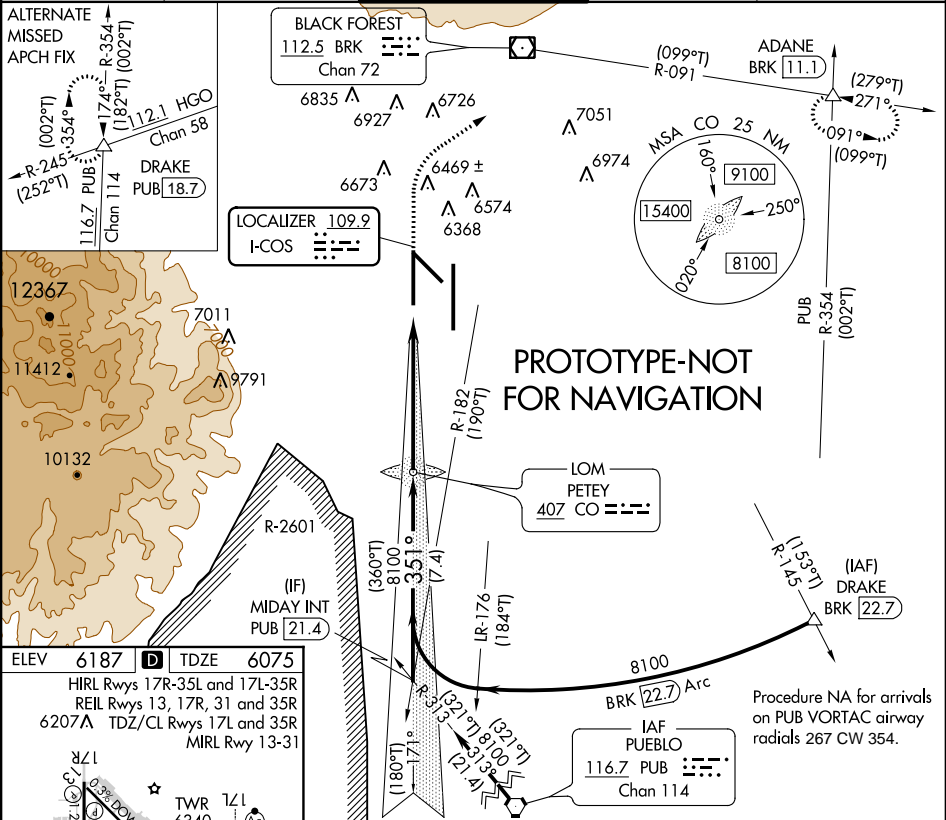
ILS or LOC RWY 35L  
CITY OF COLORADO SPRINGS MUNI (COS)

**⚠** RADAR monitoring required when R-2601 in use.  
\*RVR 1800 authorized with the use of FD or AP or HUD to DA.

**MALSR**

**MISSED APPROACH:** Climb to 6700 then climbing right turn to 9000 on heading 047° and on BRK VOR/DME R-091 to ADANE INT/BRK 11.1 DME and hold.

ATIS 125.0 254.3	SPRINGS APP CON 118.5 239.025	SPRINGS TOWER 133.15 335.55 (EAST) 119.9 360.6 (WEST)	GND CON 121.7 348.6	CLNC DEL 134.45 363.125
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ELEV 6187 TDZE 6075

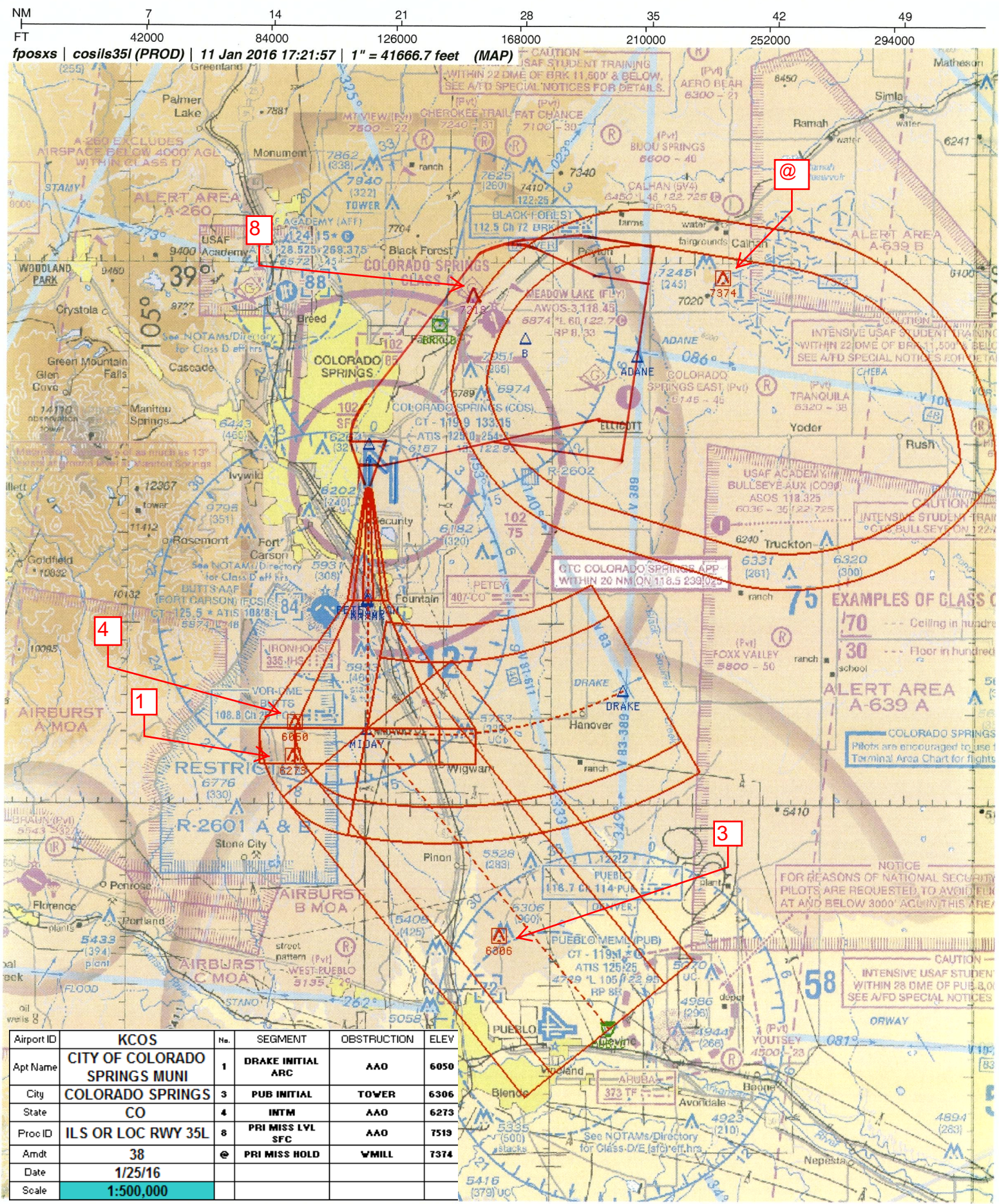
HIRL Rwy 17R-35L and 17L-35R  
REIL Rwy 13, 17R, 31 and 35R  
6207A TDZ/CL Rwy 17L and 35R  
MIRL Rwy 13-31

FAF to MAP 6 NM

Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00

6700	9000	BRK R-091	ADANE	PETEY LOM 8032	MIDAY INT PUB 21.4
VGSi and ILS glidepath not coincident (VGSi Angle 3.00/TCH 71).					
				8100	
				GS 3.00° TCH 55	
CATEGORY	A		B		C
S-ILS 35L *	6275/24		200 (200-½)		
S-LOC 35L	6520/24 445 (400-½)		6520/45 445 (400-¾)		
CIRCLING	6740-1 553 (600-1)	6800-1 613 (700-1)	7040-2½ 853 (900-2½)	7260-3 1073 (1100-3)	



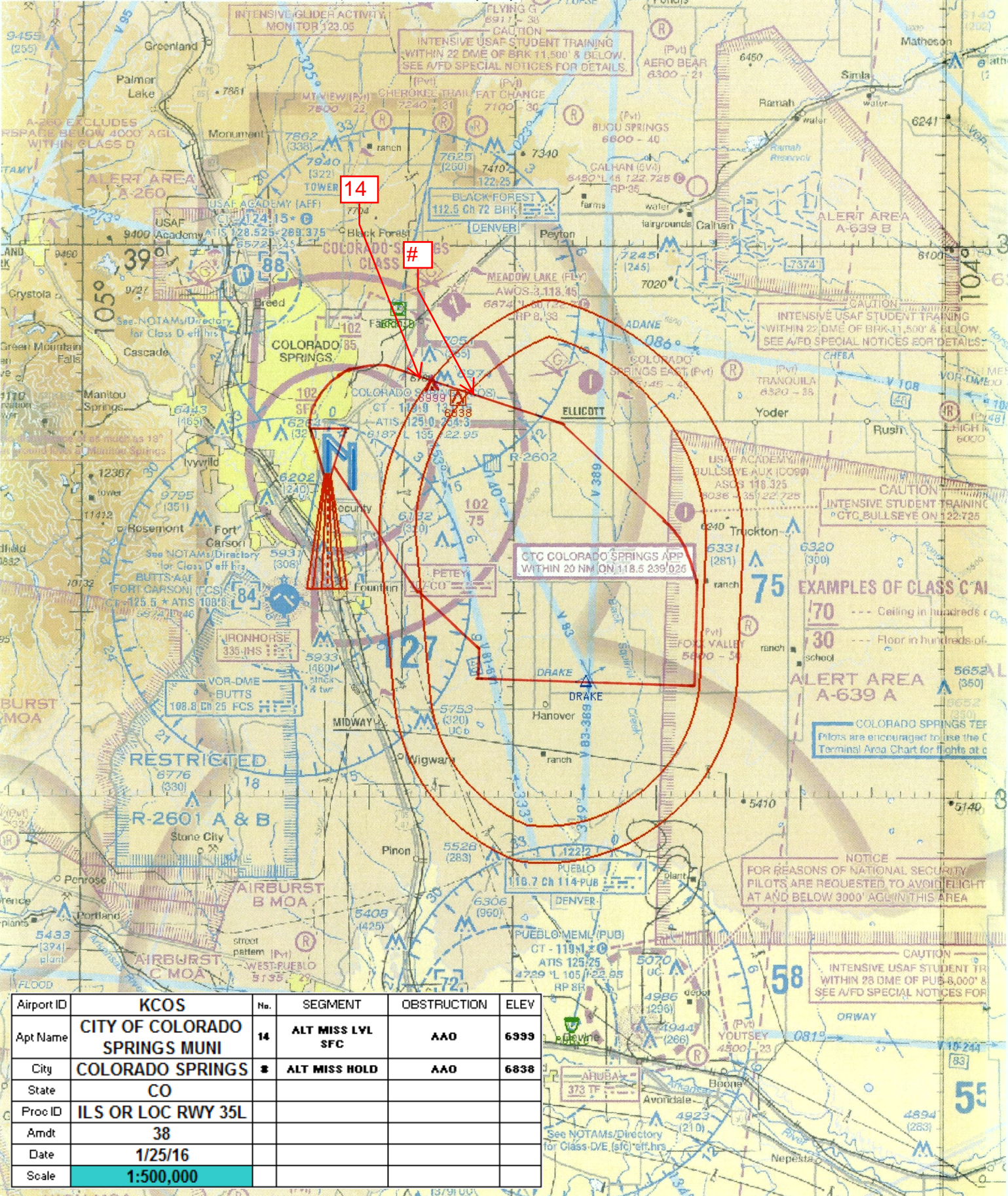


Airport ID	KCOS	No.	SEGMENT	OBSTRUCTION	ELEV
Apt Name	CITY OF COLORADO SPRINGS MUNI	1	DRAKE INITIAL ARC	AAO	6050
City	COLORADO SPRINGS	3	PUB INITIAL	TOWER	6306
State	CO	4	INTM	AAO	6273
Proc ID	ILS OR LOC RWY 35L	8	PRI MISS LVL SFC	AAO	7519
Amdt	38	@	PRI MISS HOLD	WMILL	7374
Date	1/25/16				
Scale	1:500,000				

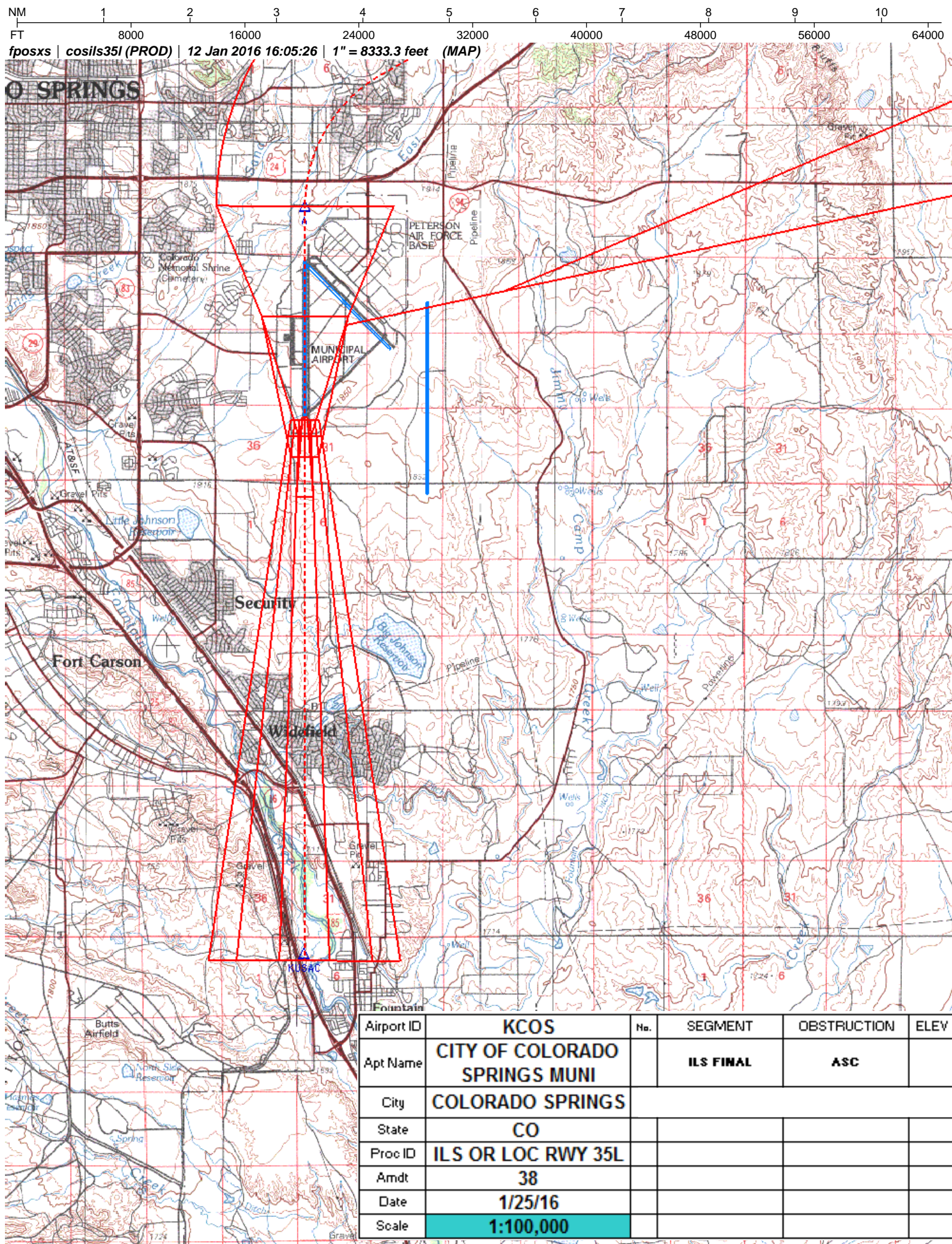


NM 7 14 21 28 35 42 49  
FT 42000 84000 126000 168000 210000 252000 294000

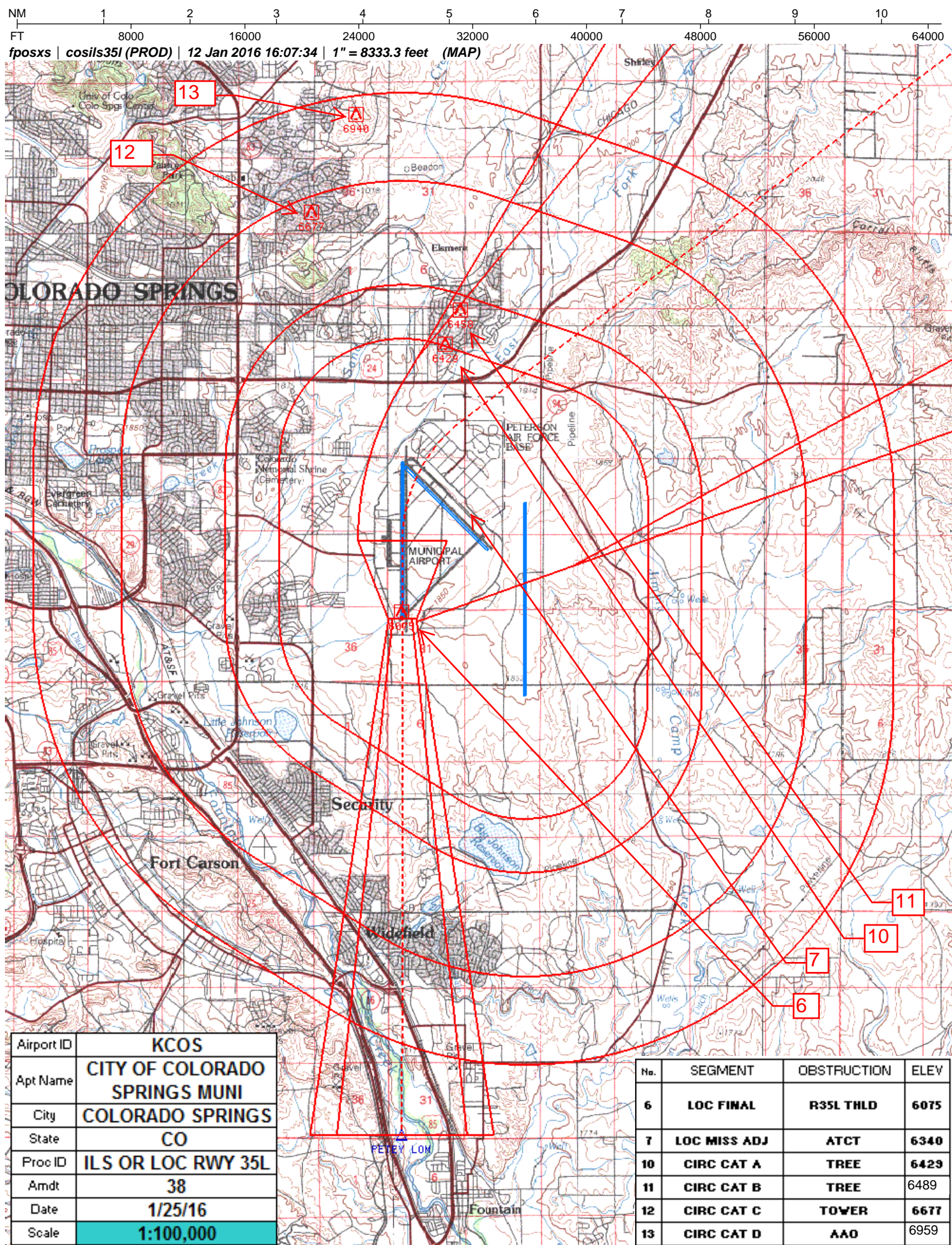
fpoxs | cosil35la (PROD) | 12 Jan 2016 16:42:56 | 1" = 41666.7 feet (MAP)



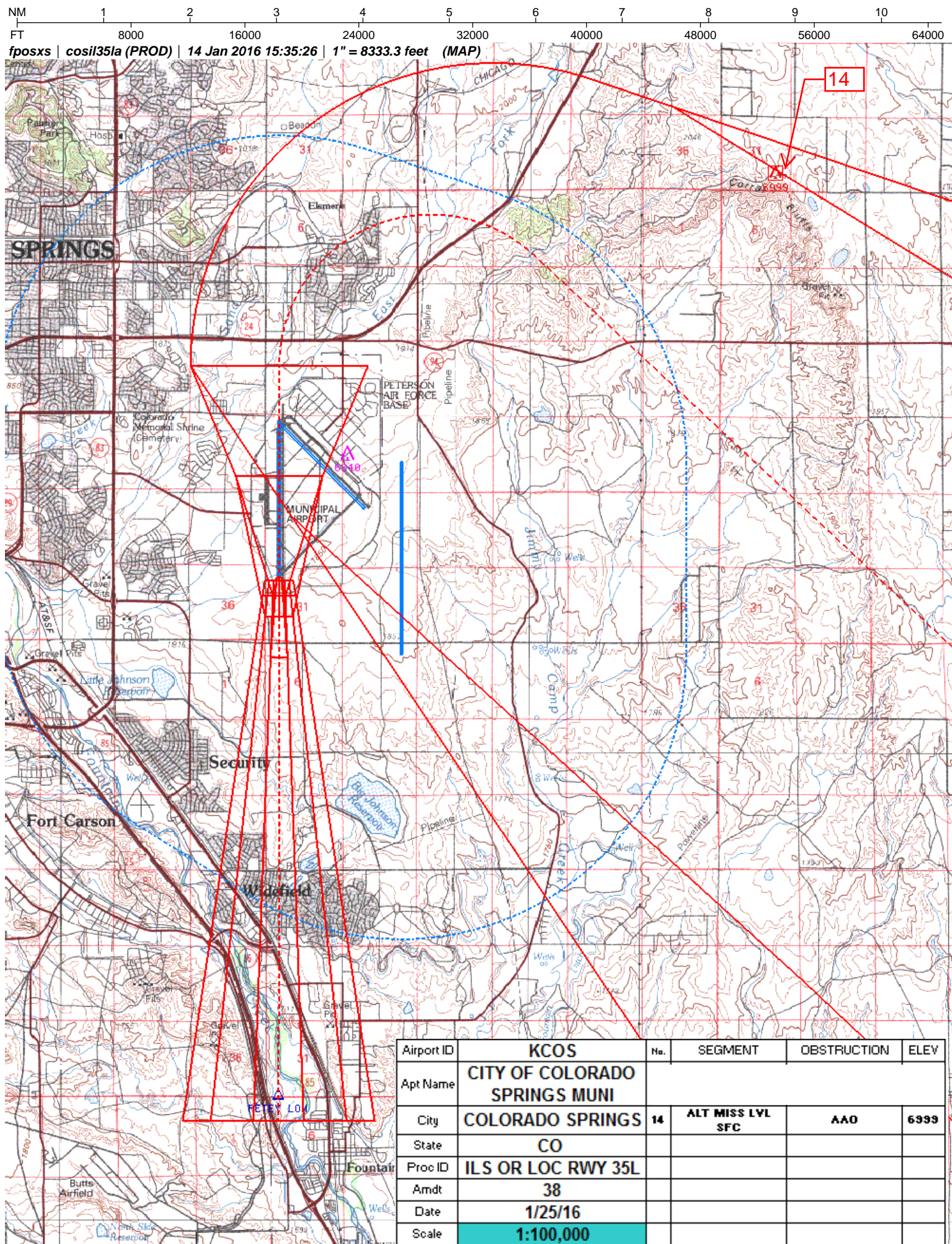




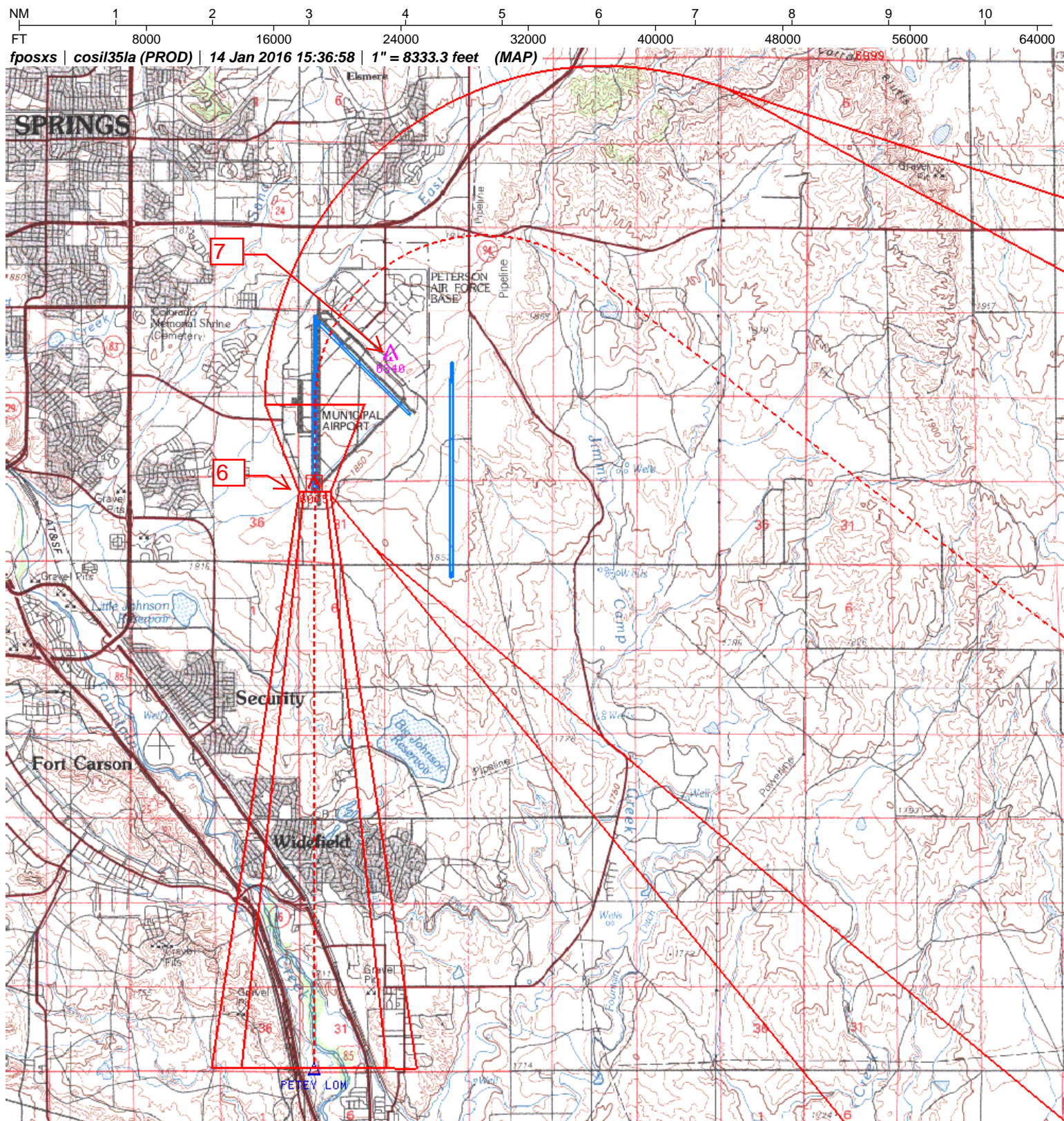








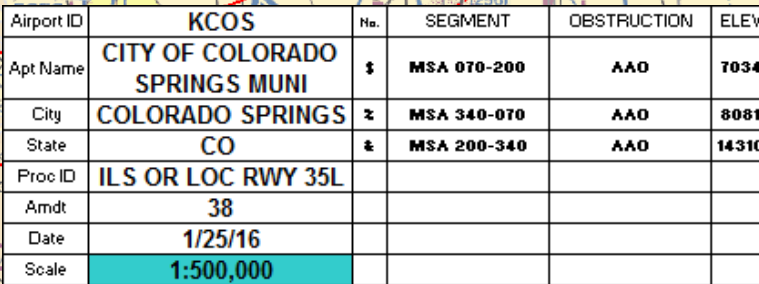




Airport ID	KCOS	No.	SEGMENT	OBSTRUCTION	ELEV
Apt Name	CITY OF COLORADO SPRINGS MUNI	6	LOC FINAL	R35L THLD	6075
City	COLORADO SPRINGS	7	ALT MISS ADJUSTMENT	ATCT	6340
State	CO				
Proc ID	ILS OR LOC RWY 35L				
Amdt	38				
Date	1/25/16				
Scale	1:100,000				



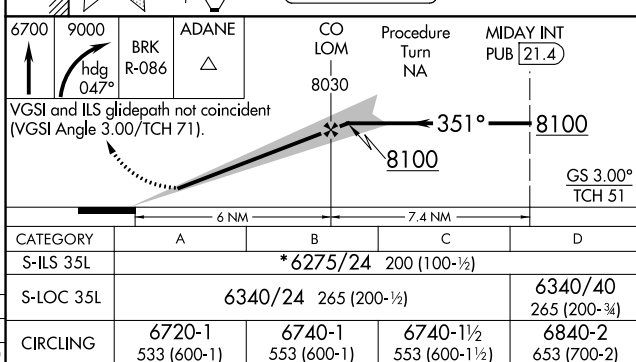
OS-3 134.375 D BAR D (R) 820-31 A





ILS or LOC RWY 35L  
CITY OF COLORADO SPRINGS MUNI (COS)

**MISSED APPROACH:** Climb to 6700 then climbing right turn to 9000 on heading 047° and on BRK VOR/DME R-086 to ADANE INT/BRK 11.1 DME and hold.



CITY OF COLORADO SPRINGS MUNI (COS)

ILS or LOC RWY 35L

SW-1, 12 NOV 2015 to 10 DEC 2015



**DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
CATEGORICAL EXCLUSION DECLARATION**

**City of Colorado Springs Municipal Airport  
PROCEDURES AMENDMENTS**

**Description of Action:**

The FAA is proposing to amend the following procedures at the City of Colorado Springs Municipal Airport (KCOS) in Colorado Springs, Colorado:

1. **ILS or LOC Runway (RWY) 17L:** Magnetic Variation (MagVar) updates to the HGO VOR/DME, BRK VOR/DME, and PUB VORTAC Nav aids.
2. **ILS or LOC RWY 35L:** Add the KUSAC Final Approach Course Fix; no change in glideslope intercept altitude. Reason for amendment: MagVar updates to the HGO VOR/DME, BRK VOR/DME, and PUB VORTAC Nav aids.
3. **ILS or LOC (RWY) 35R:** The CEGIX Precision Final Approach Fix (PFAF) moves 593.86 feet south; no change in altitude. Reason for amendment: MagVar updates to the HGO VOR/DME, BRK VOR/DME, and PUB VORTAC Nav aids.
4. **RNAV (RNP) Z RWY 17L:** The ROCCK PFAF moves 7.96 feet west; no change in altitude. Reason for amendment: MagVar updates to the HGO VOR/DME, BRK VOR/DME, and PUB VORTAC Nav aids.
5. **RNAV (RNP) Z RWY 17R:** The CEMKA PFAF moves 958.15 feet north. The ZUNAK Intermediate Fix (IF) moves 104.57 feet west. Add a new IF Simplified Directional Facility (SDF) at 8,900 feet. The HOKOS IF SDF moves 976.31 feet south. The OKEFA IF SDF moves 957.09 feet northwest. No changes in altitude. Reason for amendment: MagVar updates to the HGO VOR/DME, BRK VOR/DME, and PUB VORTAC Nav aids.
6. **RNAV (RNP) Z RW Y 35L:** The KUSAC PFAF moves 564.57 feet south. The HUNSI IF SDF moves 581.47 feet west. No changes in altitude. Reason for amendment: Mirror Instrument Landing System (ILS) final.
7. **RNAV (RNP) Z RWY 35R:** The CEGIX PFAF moves 593.86 feet south. The ZIRKU IF SDF moves 606.56 feet west. No changes in altitude. Amend Missed Approach (MA). Reason for amendment: Mirror ILS final.
8. **RNAV (GPS) RWY 31:** The JATOL PFAF moves 4.39 feet southeast. The ZENER Intermediate Approach Fix (IAF) moves 23,779.50' northeast. The ONKIE IAF will be replaced by the PUB VORTAC. Amend MA. No changes in altitude. Reason for amendment: Update procedure to meet current criteria.



9. **RNAV (GPS) Y RWY 17L:** The ROCCK PFAF moves 7.96 feet west; no change in altitude. Reason for amendment: MagVar updates to the HGO VOR/DME, BRK VOR/DME, and PUB VORTAC Nav aids.
10. **RNAV (GPS) Y RWY 17R:** The CEMKA PFAF moves 958.15 feet north; no change in altitude. The JIBIS Lateral Navigation (LNAV) SDF moves 3,449.95 feet south, altitude lowered from 7,760 feet to 7,580 feet. The HIDAN IAF moves 22,722.31 feet east; no change in altitude. Reason for amendment: MagVar updates to the HGO VOR/DME, BRK VOR/DME, and PUB VORTAC Nav aids.
11. **RNAV (GPS) Y RWY 35L:** The KUSAC PFAF moves 564.57 feet south. The ASHLL IAF moves 15,190.10 feet east. No changes in altitude. Amend MA. Reason for amendment: Mirror ILS final.
12. **RNAV (GPS) Y RWY 35R:** The CEGIX PFAF moves 593.86 feet south. The HABUK IAF moves 15,190 feet east. Amend MA. No changes in altitude. Reason for amendment: Mirror ILS final.
13. **NDB RWY 35L:** MagVar updates to the HGO VOR/DME, BRK VOR/DME, and PUB VORTAC Nav aids.
14. **TAKEOFF MINIMUMS and (OBSTACLE) DEPARTURE PROCEDURES:** Amend holding pattern at BRK VOR/DME due to MagVar update of BRK VOR/DME. Reason for amendment: MagVar updates to the HGO VOR/DME, BRK VOR/DME, and PUB VORTAC Nav aids.

Procedures were analyzed using the Terminal Area Route Generation, Evaluation, and Traffic Simulation (TARGETS) Aviation Environmental Design Tool (AEDT) Environmental Plug-In tool. Comparison of the generated baseline and alternative noise exposures indicated that no noise impacts would occur due to the proposed amendments (see attached).

**Declaration of Exclusion:**

The FAA has reviewed the above referenced proposed action and it has been determined, by the undersigned, to be categorically excluded from further environmental documentation according to Order 1050.1F, "Environmental Impacts: Policies and Procedures". The implementation of this action will not result in any extraordinary circumstances in accordance with Order 1050.1F.



**Basis for this Determination:**

An Initial Environmental Review was conducted and reviewed by the Western Service Center. This review was conducted in accordance with policies and procedures in Department of Transportation Order 5610.1C, "Procedures for Considering Environmental Impacts" and FAA Order 1050.1F.

The applicable categorical exclusion is:

*5-6.5.i. Establishment of new or revised air traffic control procedures conducted at 3,000 feet or more above ground level (AGL); procedures conducted below 3,000 feet AGL that do not cause traffic to be routinely routed over noise sensitive areas; modifications to currently approved procedures conducted below 3,000 feet AGL that do not significantly increase noise over noise sensitive areas; and increases in minimum altitudes and landing minima.*




**Recommended by:**

**Facility Manager Review/Concurrence**

Signature:  Date: 1/8/16  
Name: Scott Kelley  
Air Traffic Manager  
Salt Lake City Air Route Traffic Control Center

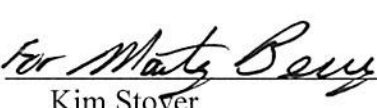
**Concurrence by:**

**Western Service Area Environmental Specialist**

Signature:  Date: 1/8/16  
Name: Augustin Moses, P.E.  
Environmental Specialist, Operations Support Group,  
Western Service Center, AJV-W22

**Approval by:**

**Western Service Area Director or Designee Approval**

Signature:  Date: 1/15/16  
Name: Kim Stover  
Director, Air Traffic Operations, North  
Western Service Area, AJTWN



## RAPT Consensus Form

**Airport:** Pueblo Memorial Airport (KPUB), CO

**Project Request:** Procedure Amendments required due to PUB VORTAC MagVar 5 degrees out of tolerance, change from 13E (1965) to 8E (2015).

**Project Request Approved:** ☒

**Disapproved:** ☐ (see comments)

**Status/Issues:** During a procedure review, the FPT specialist found that PUB VORTAC MagVar is 5 degrees out of tolerance. The following procedures will need to be amended:

AIRPORT ID	PROCEDURES	AIRPORT ID	PROCEDURES	AIRPORT ID	PROCEDURES
ASE	ASPEN SIX SID	APA	DENVER SIX SID	FNL	DENVER SIX SID
BKF	DENVER SIX SID		PIKES FIVE SID		PIKES FIVE SID
	PIKES FIVE SID		SPAZZ TWO (RNAV) DP		SPAZZ TWO (RNAV) DP
AEJ	PUEBLO ONE (RNAV) (OBSTACLE) DPO	BJC	DENVER SIX SID	GXY	DENVER SIX SID
1V6	RNAV (RNP) Z RWY 29		PIKES FIVE SID		PIKES FIVE SID
	TAKEOFF MINIMUMS		SPAZZ TWO (RNAV) DP	PUB	CANYON THREE DP
COS	DEBERRY TWO STAR	DEN)	DANDD SEVEN STAR		ILS OR LOC/DME RWY 08R
	ILS OR LOC RWY 17L		DENVER SIX SID		ILS OR LOC/DME RWY 26L
	ILS OR LOC RWY 35L		LARKS SEVEN SID		RNAV (GPS) RWY 26L
	ILS OR LOC RWY 35R		PEEKK TWO (RNAV) STAR		TAKEOFF MINIMUMS
	ILS RWY 17L (SA CAT I-II)		PIKES FIVE SID		VOR/DME RWY 26L
	NDB RWY 35L		QUAIL SEVEN STAR		
	RNAV (GPS) RWY 31		SPAZZ TWO (RNAV) DP		
	RNAV (GPS) Y RWY 17R	FTG	DENVER SIX SID		
	RNAV (GPS) Y RWY 35L		PIKES FIVE SID		
	RNAV (GPS) Y RWY 35R		SPAZZ TWO (RNAV) DP		
	RNAV (RNP) Z RWY 17R				
	SPRINGS FOUR SID				

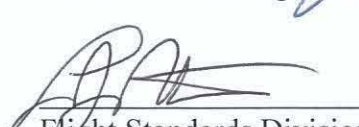
AIRWAYS	DR-CEZ*D*005	J-J104	RN-Q37	V-V10
	DR-CHARM*CO*005	J-J17		V-V244
	DR-PUB*C*005	J-J28		V-V389
	DR-PUB*C*010	J-J64		V-V611
				V-V81
				V-V83

**Priority Assigned:** *1*

**Project Tracking Number:**

  
Service Center Flight Procedures Team

  
Service Center Air Traffic Operations Support

  
Flight Standards Division  
NextGen Branch

  
Airports Division

Service Center Planning and  
Requirements Group

**Date:** 10/16/2014