

Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: SID	Estimated Chart Date: 06/12/2025	APWS Task ID: 0DB7BC9BDFa242D7BE44B593160DCCBD	APWS Project ID: B6A4A6C72B634360972F8A10FF56FE28
Procedure: SLENA TWO DEPARTURE (RNAV)		Enroute: YES	Specialist: Campbell, Richard		Agreement Number:
Airport ID: KSSF			Airport City: SAN ANTONIO		State: TX
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			
Procedure Comments: REASON FOR PROJECT: MV DATA FOR KSSF - MAG VAR CHANGED FROM 8E/1980 TO 3E/2025. EFFECTIVE CONCURRENT WITH ECD. KSSF RUNWAY NUMBERING CHANGED FROM 9/27 TO 10/28. KSSF RUNWAY HEADINGS CHANGED - RWY 10: FROM 094.53 TO 099.53, RWY 14 : FROM 137.36 TO 142.36, RWY 28: FROM 274.53 TO 279.53, RWY 32: FROM 317.3 TO 322.3. PENDING DATA USED FOR KSSF. IFP FIXES LILJO AND SLENA MOVED DUE TO SLIGHT ADJUSTMENTS TO THE TF FROM YENNS. CONTACT ALLAN WILL 4059546103.					

QUALITY
33
CHECKED

QUALITY
23
CHECKED



Federal Aviation Administration

Memorandum

Date: January 31, 2023

To: Instrument Flight Procedure Service Providers
Digitally signed by WADE
EK TERRELL
WADE EK TERRELL
Date: 2023.01.31 09:21:16
-06'00'

From: Wade E.K. Terrell, Manager, Flight Procedures and Airspace Group

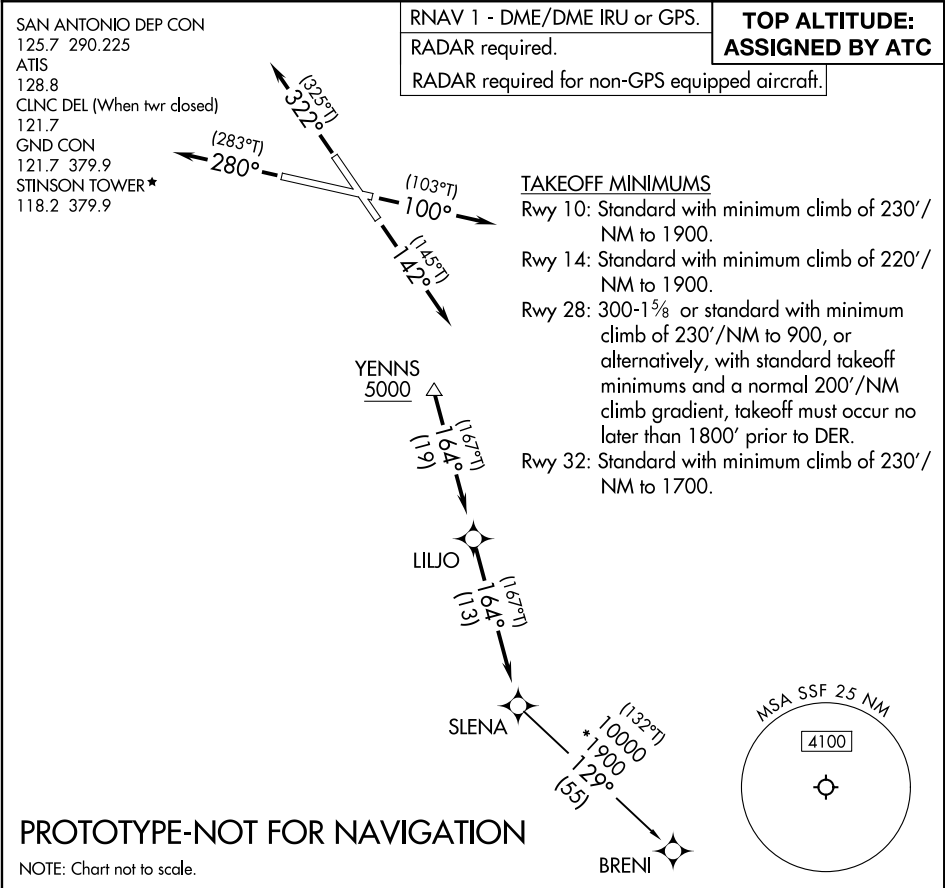
Subject: Waiver to FAA Order 8260.58C paragraph 1-2-5.c.(3), Maximum bank angle

Background: The Performance Based Navigation (PBN) Aviation Rulemaking Committee (PARC) made a recommendation that the FAA adjust the turn parameters used in PBN instrument flight procedure (IFP) design to reflect modern avionics values. The Flight Procedures and Airspace Group analyzed current avionics specifications with the help of several FAA offices and RTCA SC-227 to identify the new bank angles necessary for current IFP design. The Flight Procedures and Airspace Group then conducted an Operational Safety Review (OSR) for this amendment to bank angle criteria. The outcome of the OSR was that no new hazard is introduced into the National Aerospace System (NAS).

Purpose: This memorandum waives FAA Order 8260.58C, United States Standard for Performance Based Navigation (PBN) Instrument Procedure Design, paragraph 1-2-5.c.(3) and authorizes use of a maximum bank angle of 23 degrees above FL195 up to FL245 and a maximum bank angle of 16 degrees above FL245.

This waiver remains in effect until rescinded. No additional waiver request action is required. Please direct all inquiries to Thomas J. Nichols, Standards Section Manager, Flight Procedures and Airspace Group at 405-954-1171 or thomas.j.nichols@faa.gov

DME ESVs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV COT [IFPA] COT	N28° 27' 43.2636", W099° 07' 06.7621"	9.0 E	130	522.3	115.8	ESV COT [IFPA]	
ESV:		Bearing [True]: 44.0° to 94.0° Bearing [Mag]: 35.0° to 85.0°				Arc Distance: Out to 60.0 NM Altitude: 4000.0 to 15500.0 ft		
2	ESV SAT [IFPA] SAT	N29° 38' 38.5080", W098° 27' 40.7369"	8.0 E	130	1158.8	116.8	ESV SAT [IFPA]	
ESV:		Bearing [True]: 153.0° to 187.0° Bearing [Mag]: 145.0° to 179.0°				Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 16500.0 ft		
3	ESV VCT [IFPA] VCT	N28° 54' 01.1460", W096° 58' 44.1650"	6.0 E	40	125	109.0	ESV VCT [IFPA]	
ESV:		Bearing [True]: 267.0° to 286.0° Bearing [Mag]: 261.0° to 280.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 15500.0 ft		



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DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 10: Climb on heading 100° or as assigned by ATC, for vectors to YENNS, thence

TAKEOFF RUNWAY 14: Climb on heading 142° or as assigned by ATC, for vectors to YENNS, thence

TAKEOFF RUNWAY 28: Climb on heading 280° or as assigned by ATC, for vectors to YENNS, thence

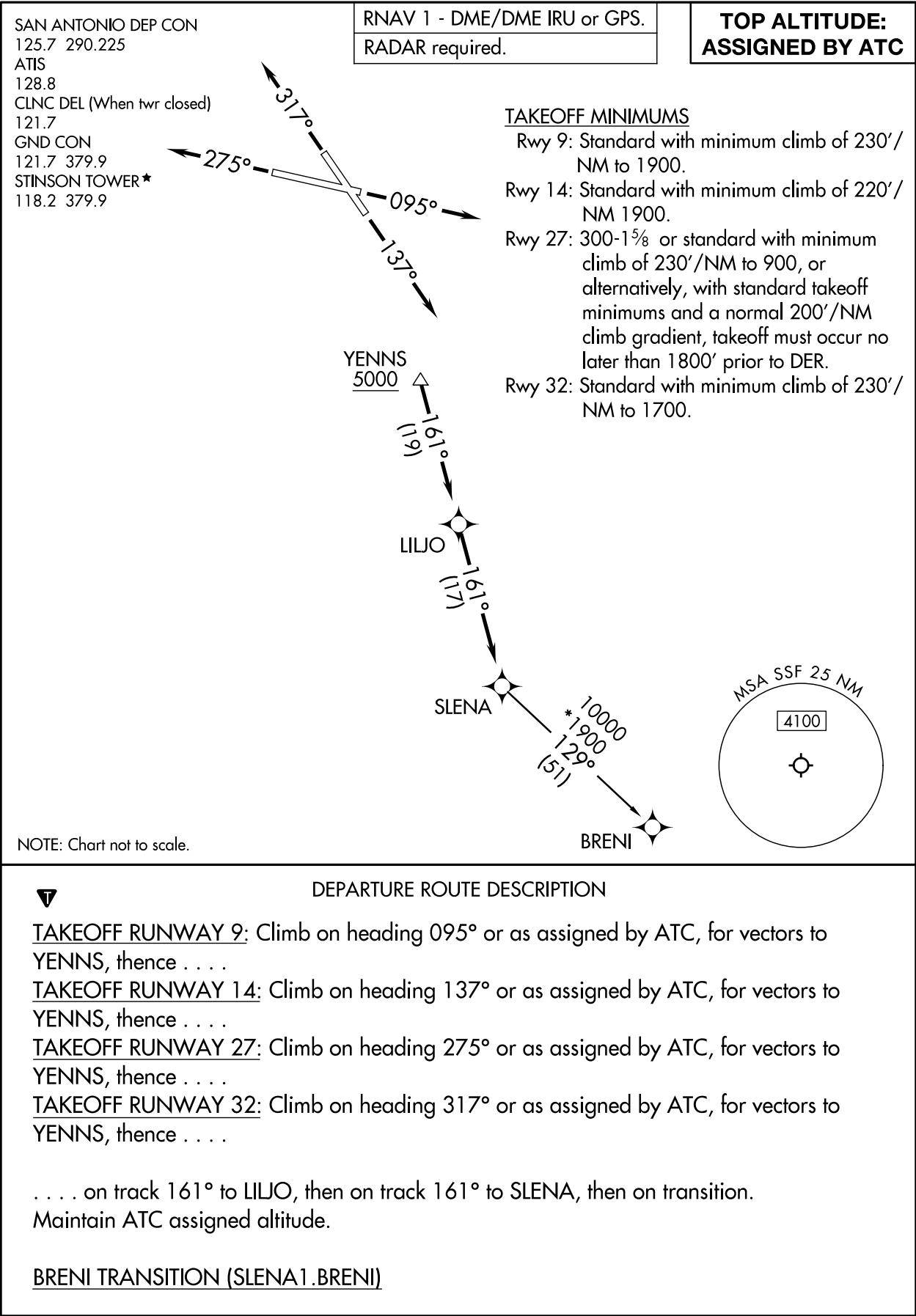
TAKEOFF RUNWAY 32: Climb on heading 322° or as assigned by ATC, for vectors to YENNS, thence

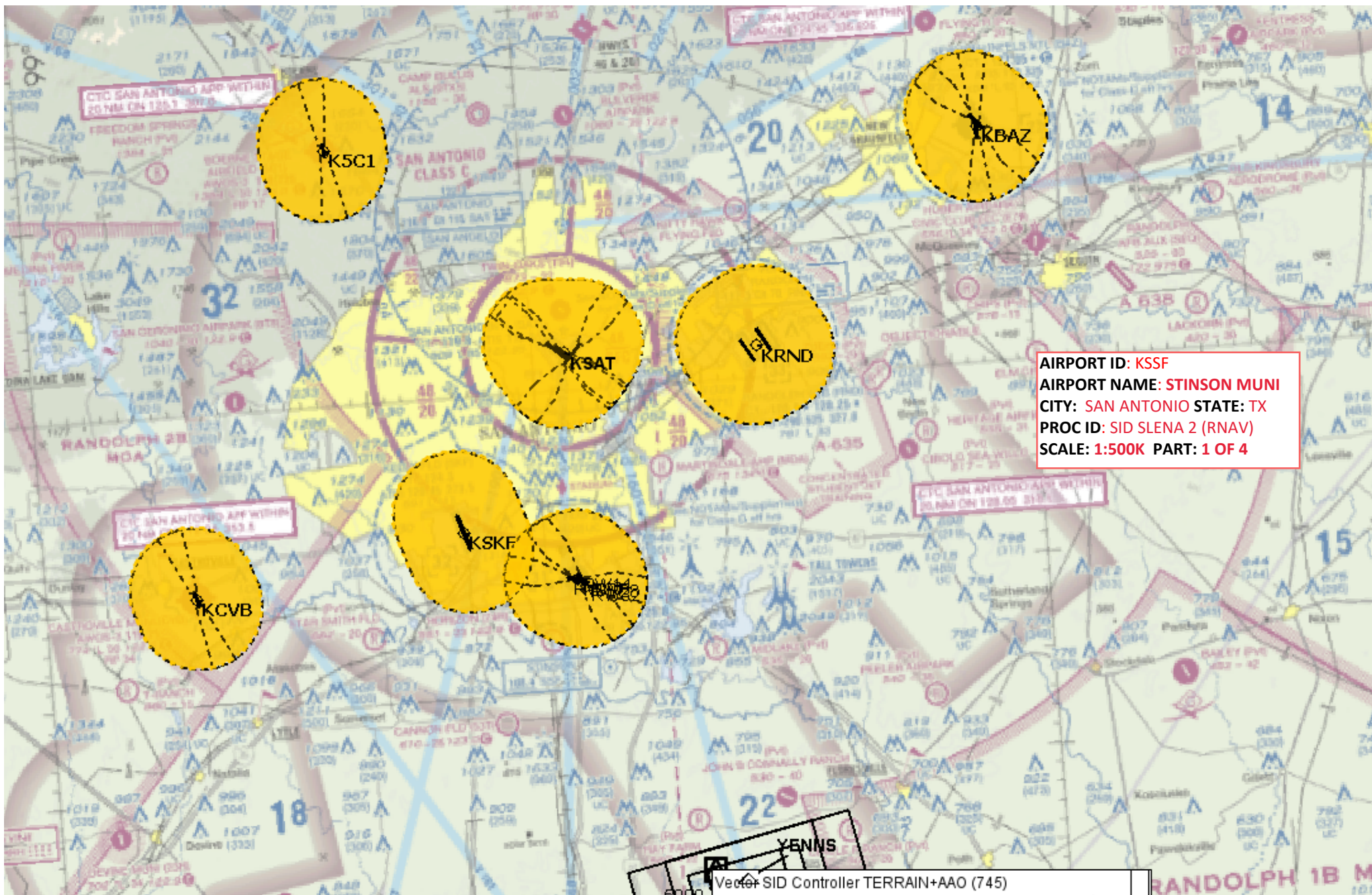
. . . . on track 164° to LIJO, then on track 164° to SLENA, then on transition.

Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

BRENI TRANSITION (SLENA2.BRENI)

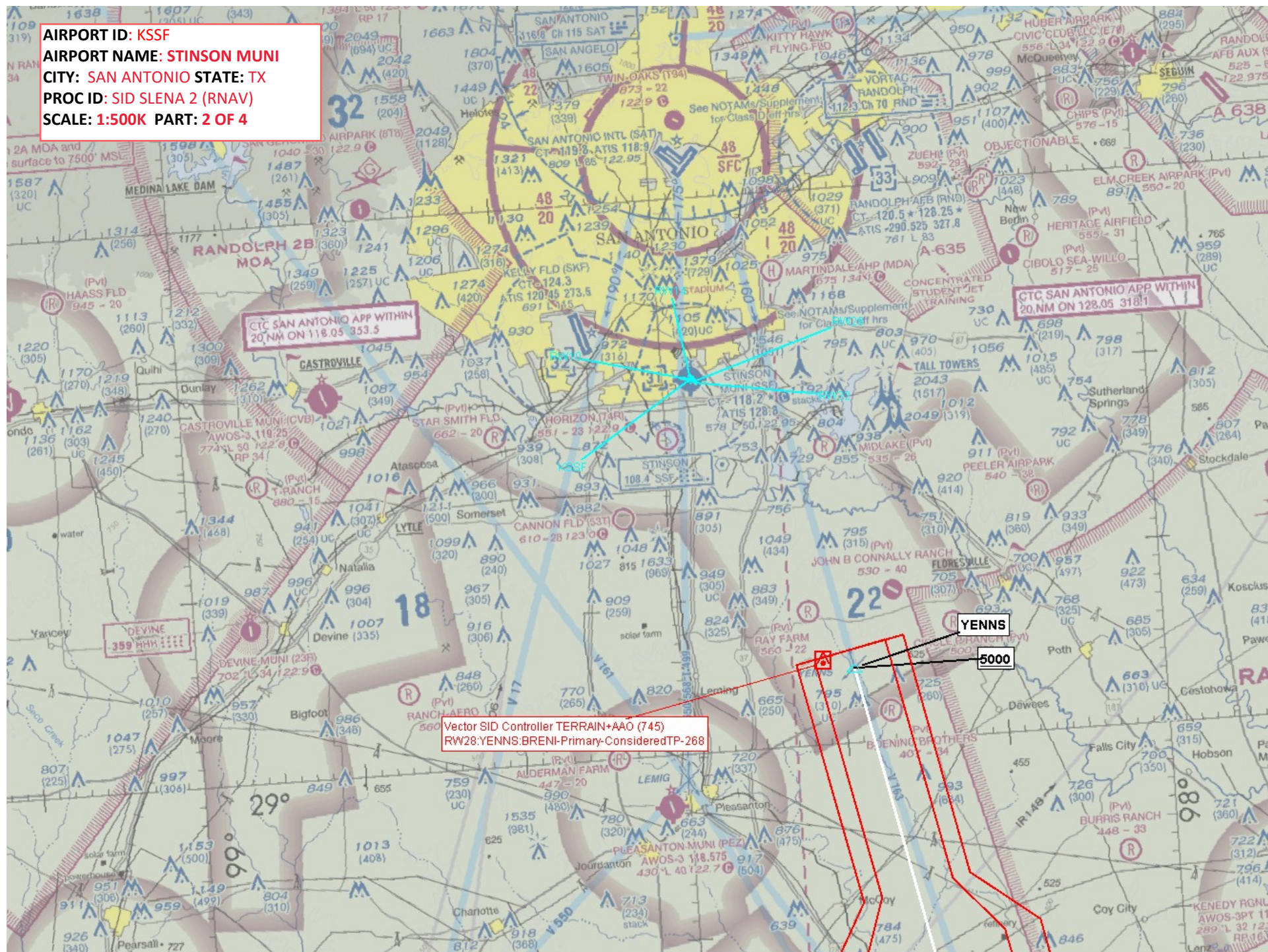
SLENA ONE DEPARTURE (RNAV)

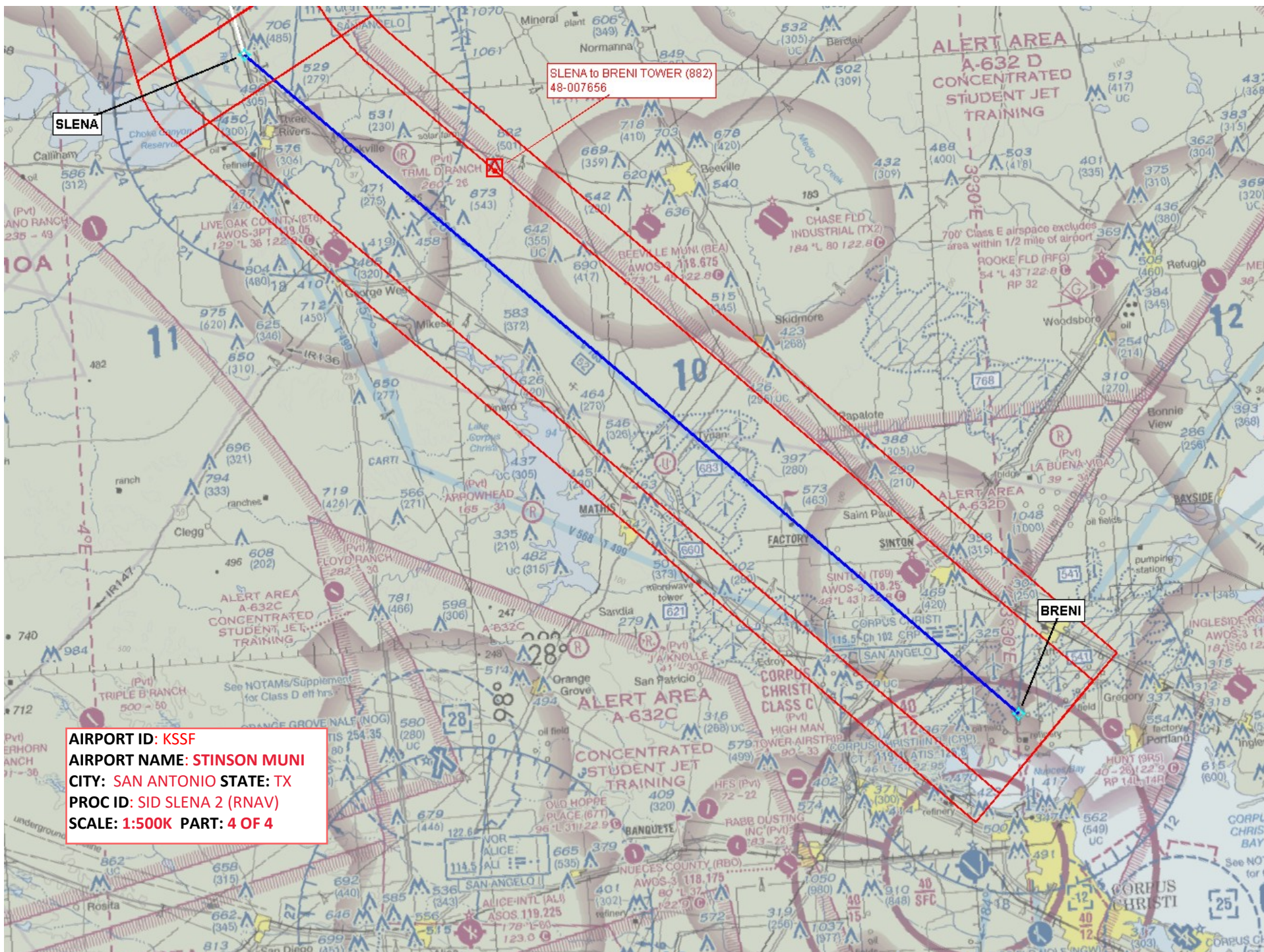




SLENA (RNAV)

SCALE: 1:500K PART: 2 OF 4





**SLENA (RNAV) TWO
SAT
1:100K
RWYS 4/13L/13R/22/31L/31R**

SLENA (RNAV) TWO
SAT
1:500K
RWYS 4/13L/13R/22/31L/31R



SLENA (RNAV) TWO
5C1
1:500K
RWYS 17/35

CG/CGTA TOWER (3048)
48-005697

CG/CGTA AAO (1942)
5C1 RWY 17 AAO

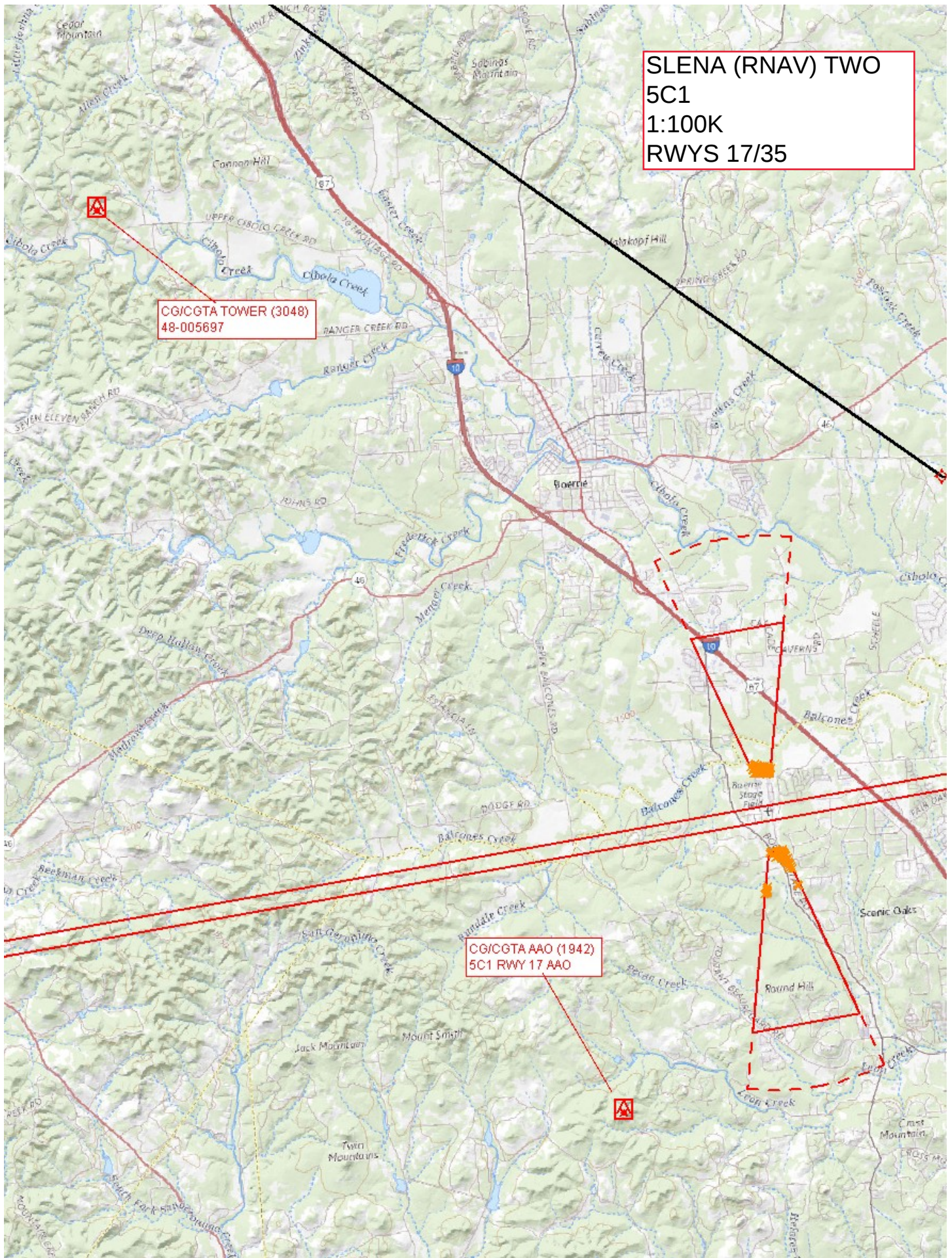
CTC SAN ANTONIO APP WITHIN
20 NM ON 118.05 353.5

5000

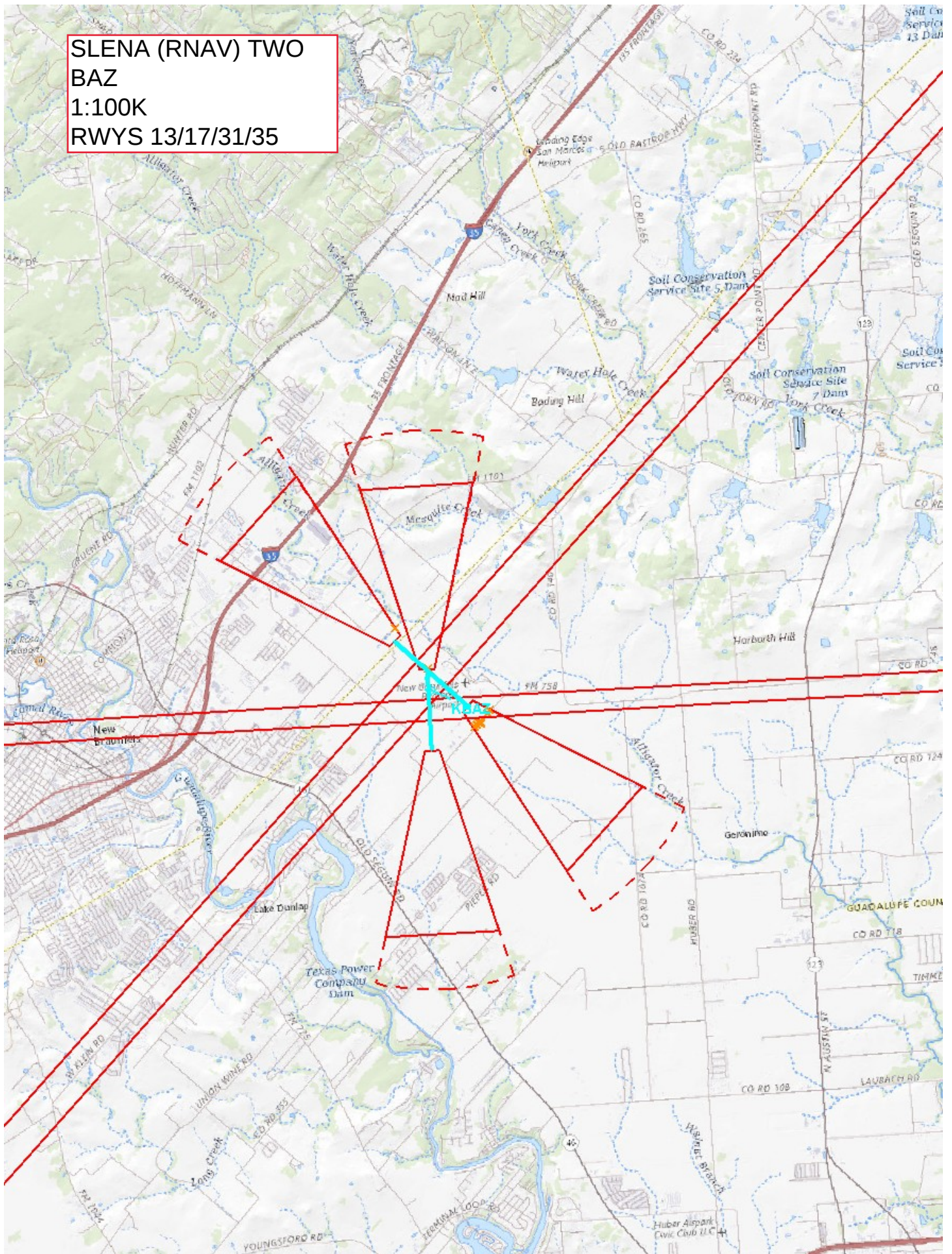
SLENA (RNAV) TWO
5C1
1:100K
RWYS 17/35

CG/CGTA TOWER (3048)
48-005697

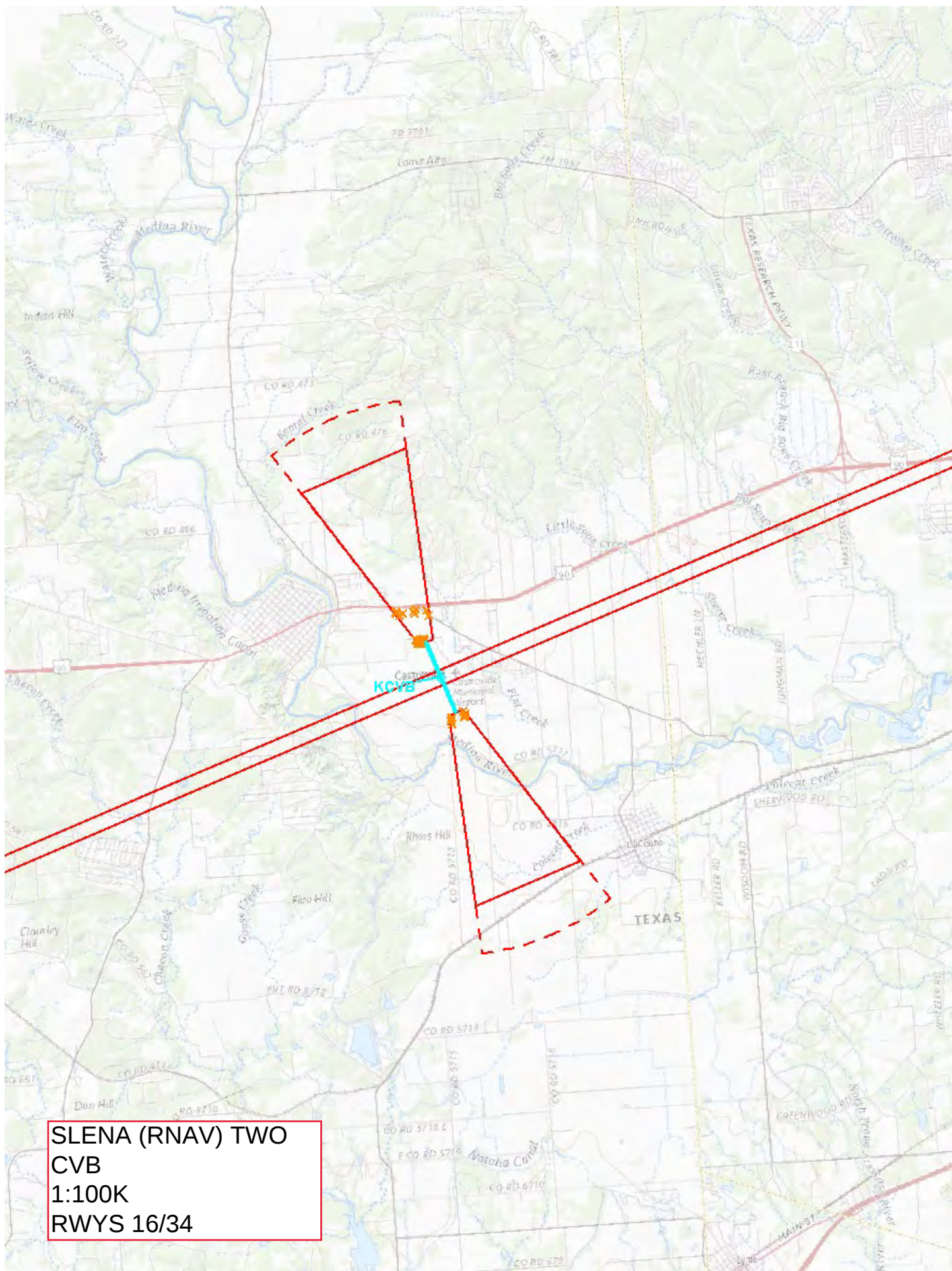
CG/CGTA AAO (1942)
5C1 RWY 17 AAO



SLENA (RNAV) TWO
BAZ
1:100K
RWYS 13/17/31/35

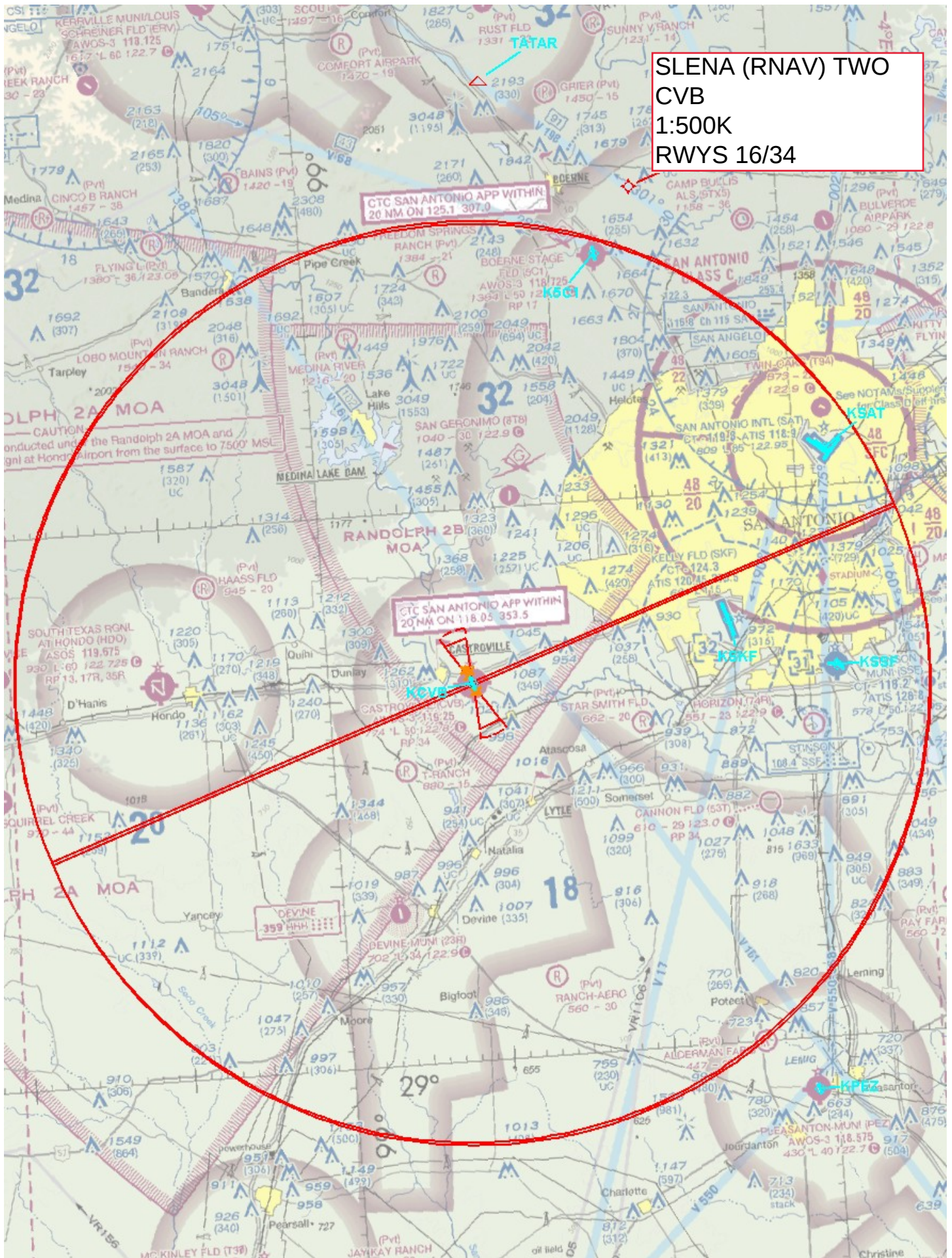




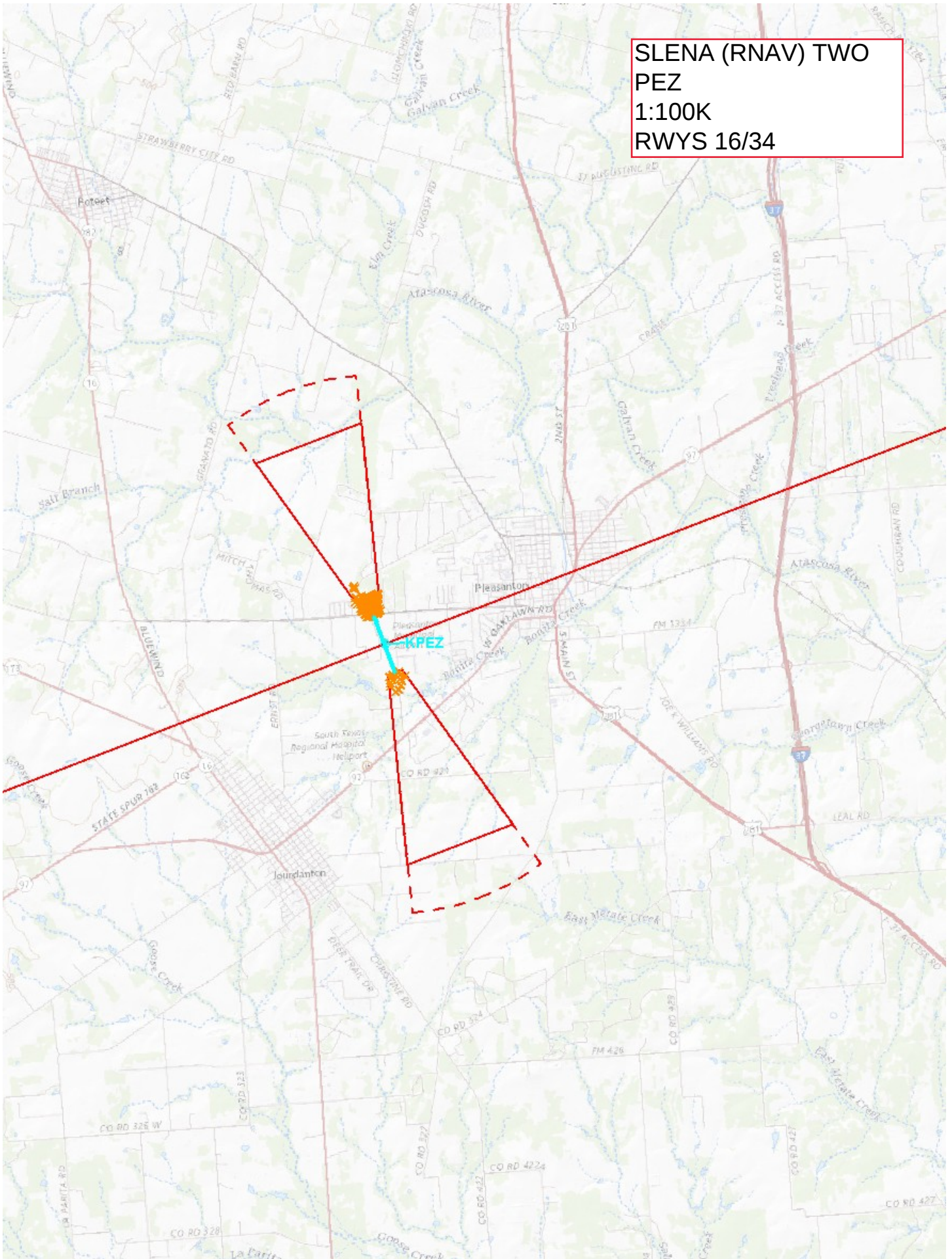


SLENA (RNAV) TWO
CVB
1:100K
RWYS 16/34

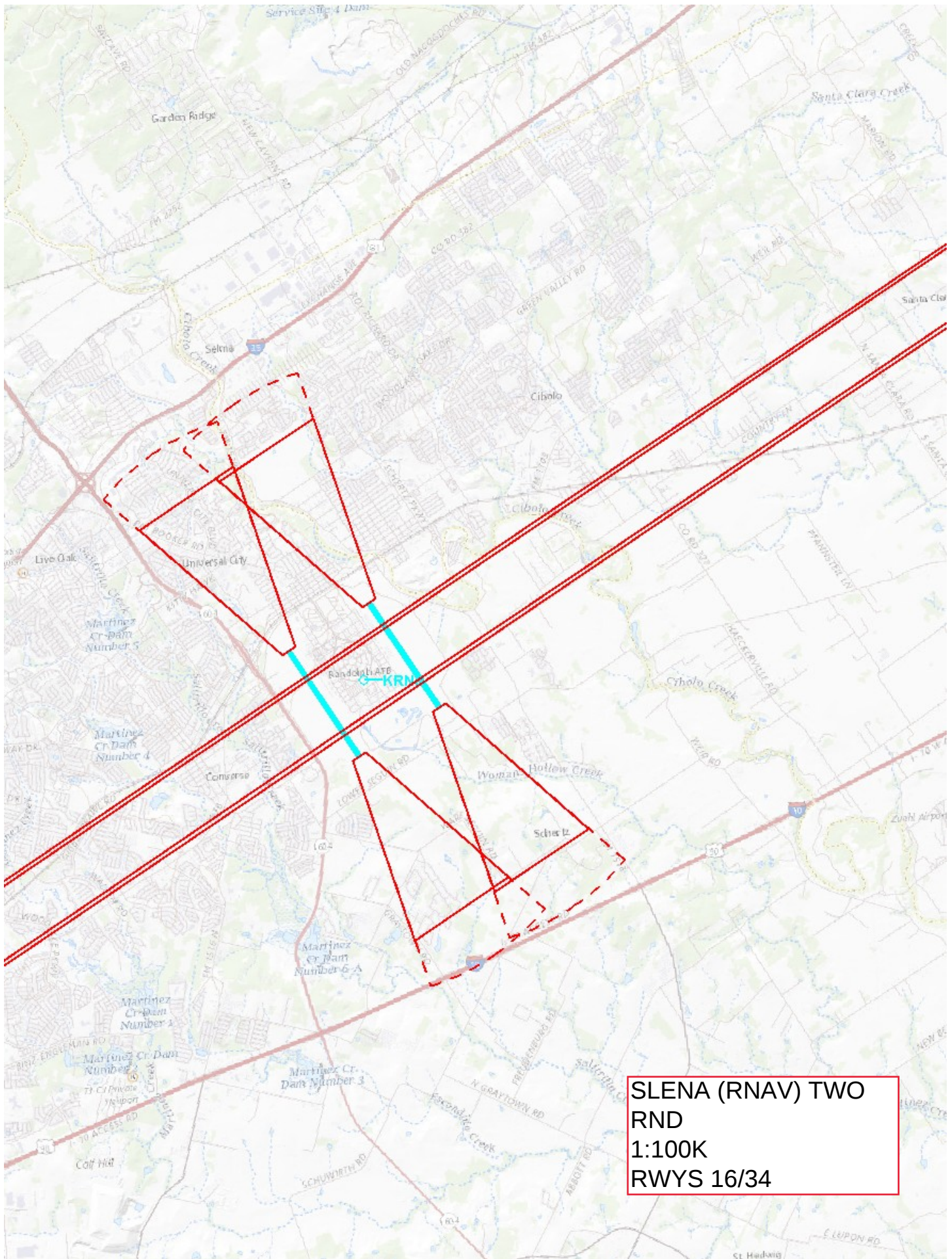
SLENA (RNAV) TWO
CVB
1:500K
RWYS 16/34



SLENA (RNAV) TWO
PEZ
1:100K
RWYS 16/34

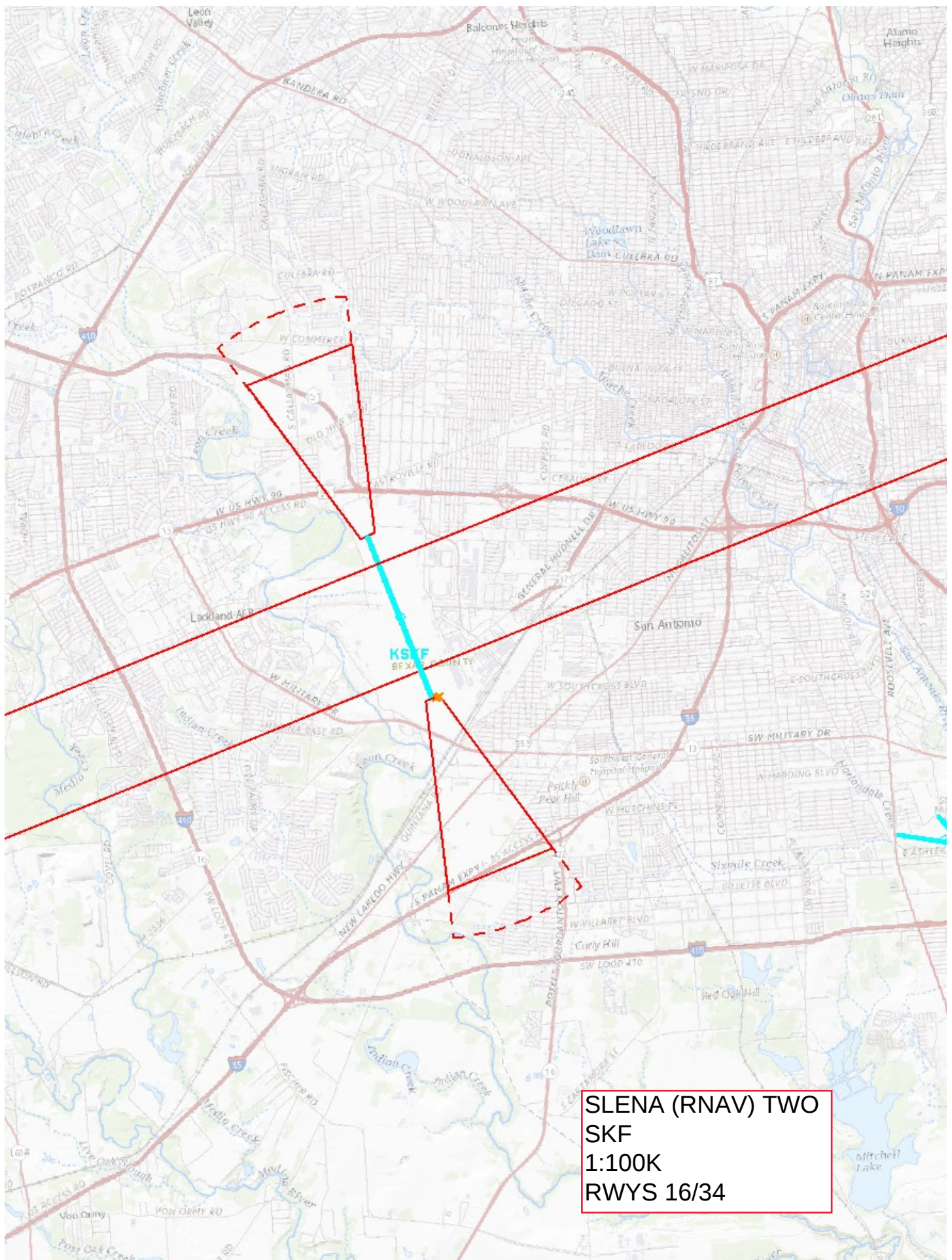


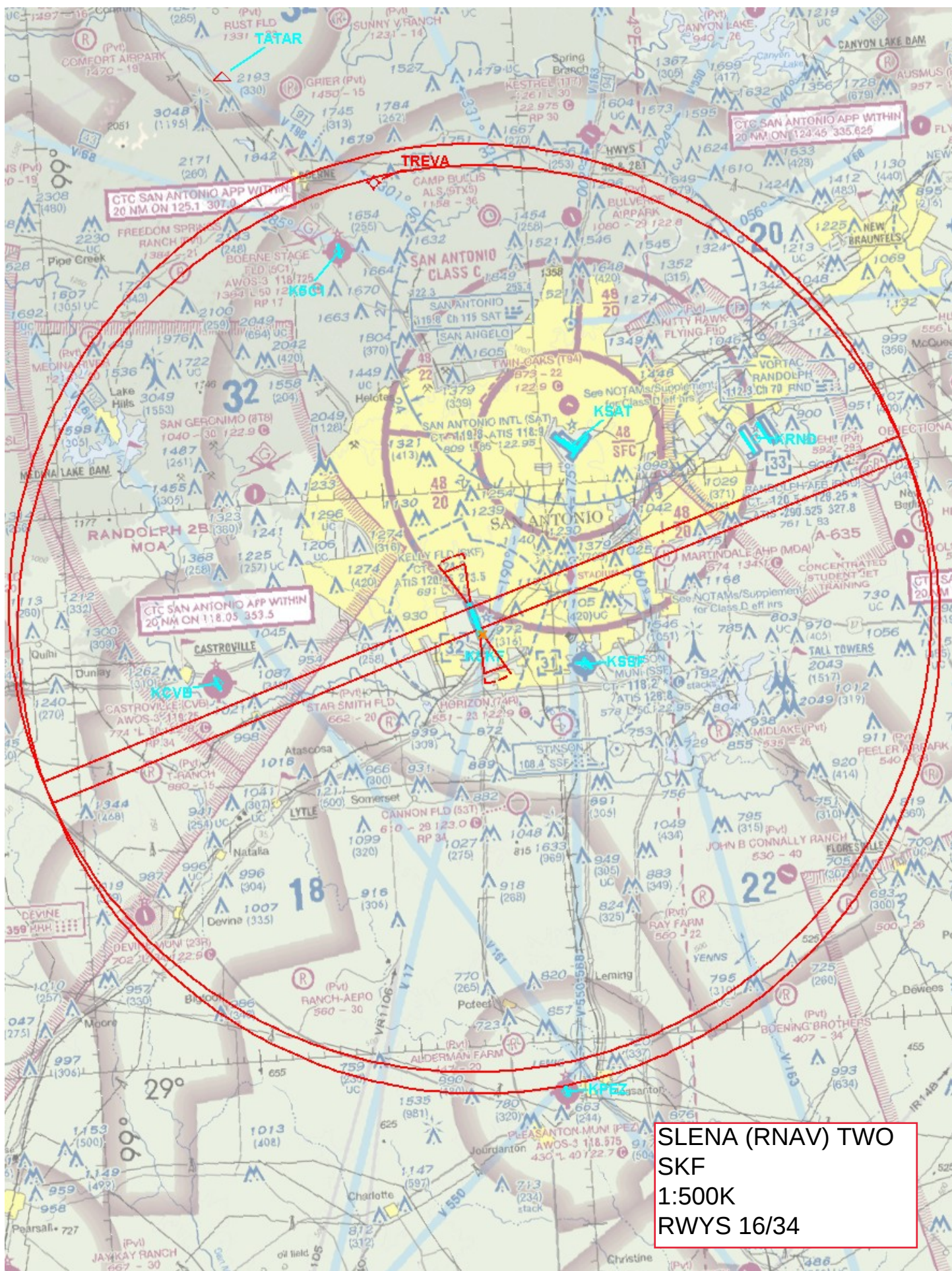


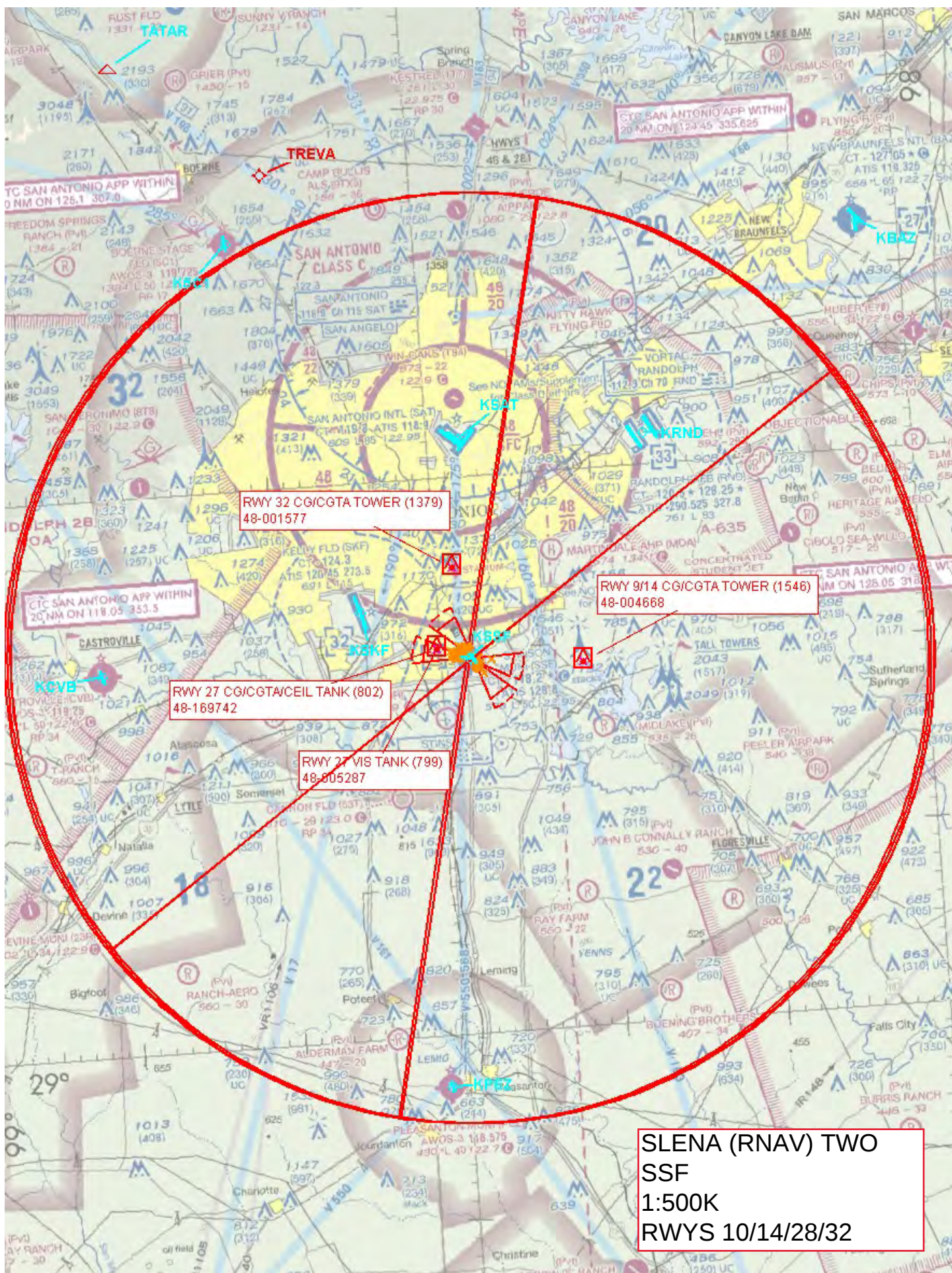


SLENA (RNAV) TWO
RND
1:100K
RWYS 16/34









SLENA (RNAV) TWO
SSF
1:100K
RWYS 10/14/28/32

RWY 32 CG/CGTA TOWER (1379)
48-001577

RWY 9/14 CG/CGTA TOWER (1546)
48-004668

RWY 27 VIS TANK (799)
48-005287

RWY 27 CG/CGTA/CEIL TANK (802)
48-169742

