Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: SID	Estimated Chart Date: 08/07/2025	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.

03/19/25 THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/12/25.
8260-2:
1. MOVED 8260-2 LILJO TO NON-NFDC FILE- CHANGES COORDINATED WITH ANOTHER PROJECT SAME ECD.
2. REMOVED THE 8260-2 FILE -.FIX LILJO ONLY FORM IN FILE.

Data as of: 03/19/2025 14:14:13 CDT

FIPC DME/DME FORM

PROCEDURE:	AIRPORT NAME:	AIRPORT ID:	SPECIAL CONTROL NO:
SLENA TWO DEPARTURE (RNAV)	STINSON MUNI	KSSF	OG-02-203-25

FAC ID: SLENA2	CITY: SAN ANTONIO	ST: TX	ORIG CHART DATE: 06/12/2025

DFL TYPE:	THIRD PARTY:	EST. TIME ON SITE:	REIMB. NUMBER:	PTS TASK ID:
PROC/D	☐ YES	1.0		0DB7BC9BDFA242D7BE44B593160DCCBD

PREFLIGHT NOTES

REVIEWER:	DATE:
COMMENTS:	CHECK ONE: ☐ FLT CK REQ ☐ NFCR ☐ REJECT

	YES	NO
CPV COMPLETE?	X	

PROCEDURE RESULTS

INSPECTION DATE:	CREW #:	N #:	INSTRUMENT PROCEDURE STATUS:	ARINC CODING:
03/13/2025	VN258	N90	☒ SAT ☐ SAT W/CHANGES ☐ UNSAT	☒ SAT ☐ SAT/GOLD ☐ UNSAT

FLIGHT INSPECTOR SIGNATURE:	PRINTED NAME:	NOTAM INITIATED?
james hawley @ 03/17/2025 11:51	HAWLEY, JAMES MICHAEL	☐ YES ☒ NO

FLIGHT INSPECTOR REMARKS:

DME/DME STATUS:	SPECIALIST SIGNATURE:	PRINTED NAME:
☒ SAT ☐ UNSAT	lisa a-ctr thrysoe @ 03/18/2025 13:06	Lisa Thrysoe

SPECIALIST REMARKS:

Post Flight DME/DME Analysis has been performed on the KSAT SLENA TWO SID with satisfactory results. All modeled DME's and ESV's were recorded by Flight Inspection or certified by TARGETS and suitable for DME/DME/IRU operations.

IN-FLIGHT OBSTACLE REPORT

OBSTRUCTION ID #:	COORDINATES OR LOCATION:	GNSS ALTITUDE (MSL):	BAROMETRIC ALTITUDE (MSL):	HEIGHT ABOVE GROUND LEVEL:

FIPC DME/DME FORM

PROCEDURE:	AIRPORT NAME:	AIRPORT ID:	SPECIAL CONTROL NO:
SLENA TWO DEPARTURE (RNAV)	STINSON MUNI	KSSF	OG-02-203-25

FAC ID: SLENA2	CITY: SAN ANTONIO	ST: TX	ORIG CHART DATE: 06/12/2025

DFL TYPE:	THIRD PARTY:	EST. TIME ON SITE:	REIMB. NUMBER:	PTS TASK ID:
PROC/D	☐ YES	1.0		0DB7BC9BDFA242D7BE44B593160DCCBD

PREFLIGHT NOTES

REVIEWER:	DATE:
COMMENTS:	CHECK ONE: ☐ FLT CK REQ ☐ NFCR ☐ REJECT

	YES	NO
CPV COMPLETE?	X	

PROCEDURE RESULTS

INSPECTION DATE:	CREW #:	N #:	INSTRUMENT PROCEDURE STATUS:	ARINC CODING:
03/13/2025	VN258	N90	☒ SAT ☐ SAT W/CHANGES ☐ UNSAT	☒ SAT ☐ SAT/GOLD ☐ UNSAT

FLIGHT INSPECTOR SIGNATURE:	PRINTED NAME:	NOTAM INITIATED?
james hawley @ 03/17/2025 11:51	HAWLEY, JAMES MICHAEL	☐ YES ☒ NO

FLIGHT INSPECTOR REMARKS:

DME/DME STATUS:	SPECIALIST SIGNATURE:	PRINTED NAME:
☐ SAT ☐ UNSAT		

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

Date: January 31, 2023

To: Instrument Flight Procedure Service Providers

WADE EK TERRELL Digitally signed by 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).

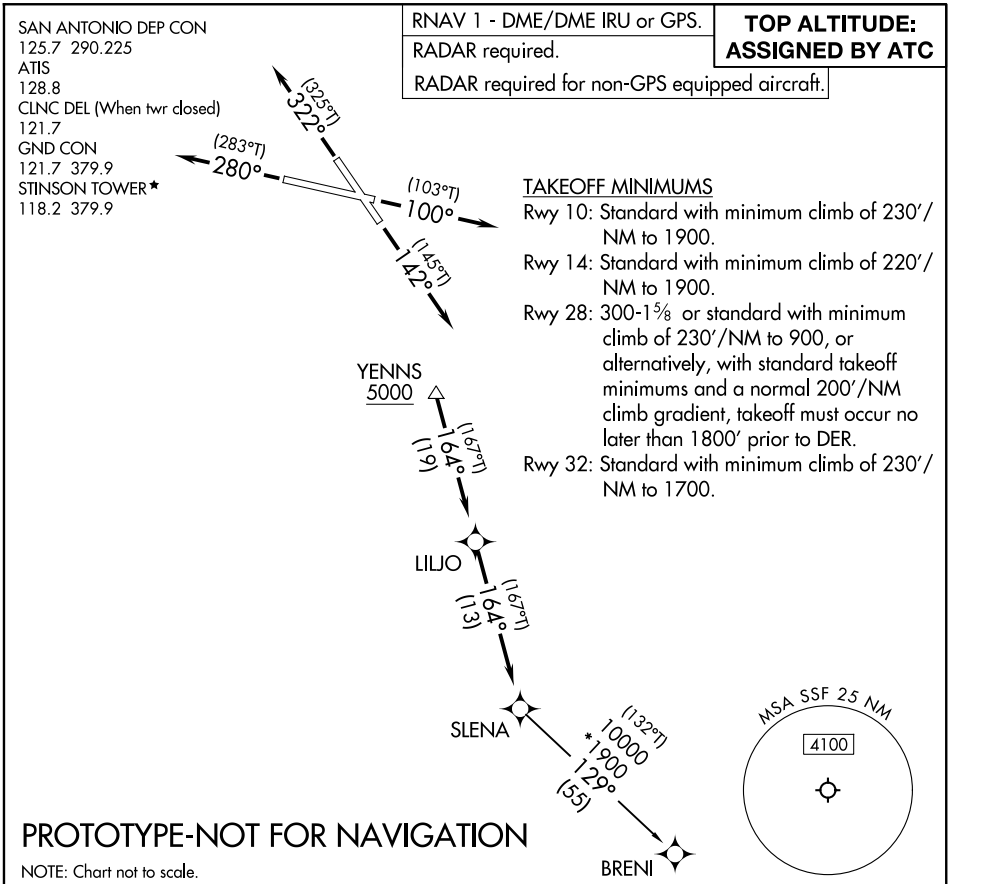
Purpose: This memorandum waives FAA Order 8260.58C, United States Standard for Performance Based Navigation (PBN) Instrument Procedure Design, paragraph 1-2-5.c.(3) and authorizes use of a maximum bank angle of 23 degrees above FL195 up to FL245 and a maximum bank angle of 16 degrees above FL245.

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		

SLENA TWO DEPARTURE (RNAV)



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 LILJO, then on track 164° to SLENA, then on transition. Maintain ATC assigned altitude. Expect filed altitude 10 minutes after departure.

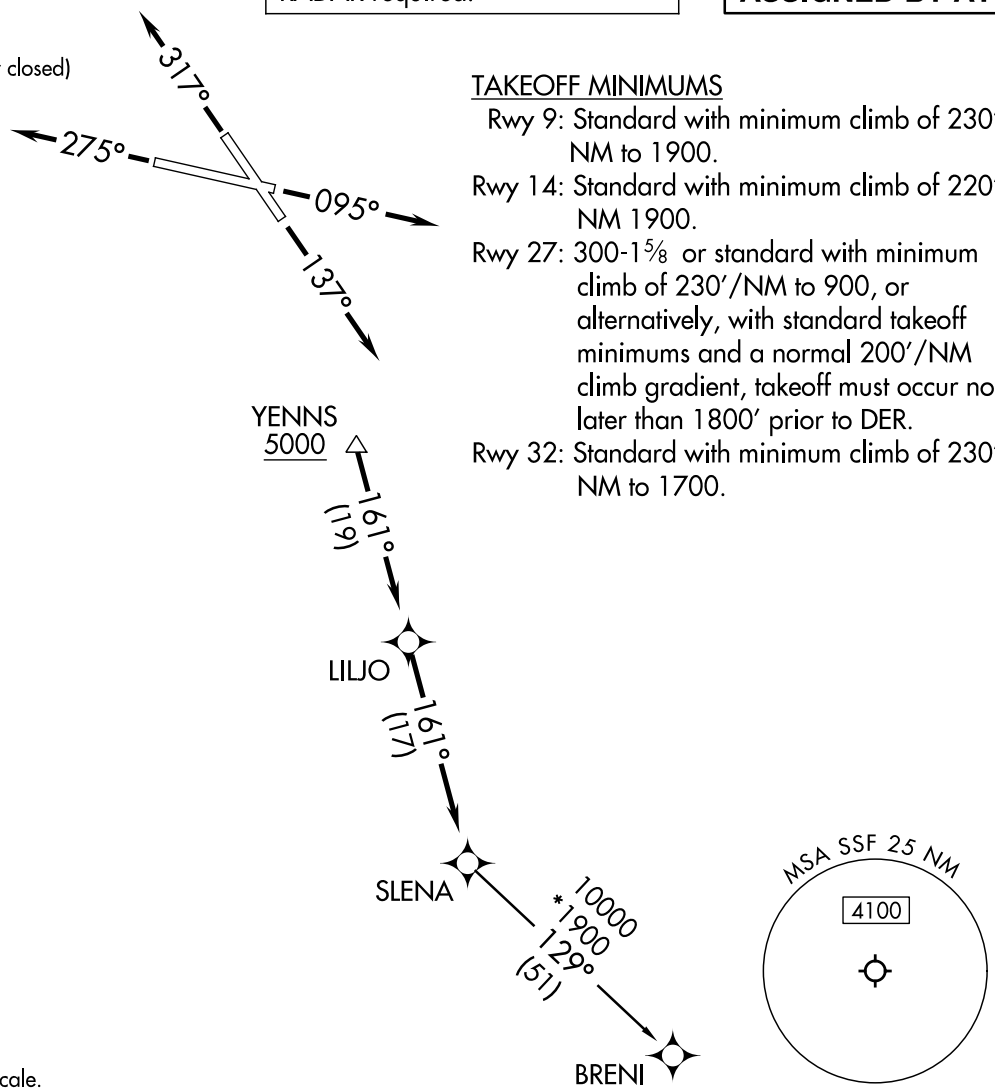
BRENI TRANSITION (SLENA2.BRENI)

SLENA ONE DEPARTURE (RNAV)

SAN ANTONIO DEP CON
125.7 290.225
ATIS
128.8
CLNC DEL (When twr closed)
121.7
GND CON
121.7 379.9
STINSON TOWER★
118.2 379.9

RNAV 1 - DME/DME IRU or GPS.
RADAR required.

TOP ALTITUDE: ASSIGNED BY ATC



TAKEOFF MINIMUMS
Rwy 9: Standard with minimum climb of 230′/NM to 1900.
Rwy 14: Standard with minimum climb of 220′/NM 1900.
Rwy 27: 300-1⅝ or standard with minimum climb of 230′/NM to 900, or alternatively, with standard takeoff minimums and a normal 200′/NM climb gradient, takeoff must occur no later than 1800′ prior to DER.
Rwy 32: Standard with minimum climb of 230′/NM to 1700.

NOTE: Chart not to scale.

SC-3, 28 NOV 2024 to 26 DEC 2024

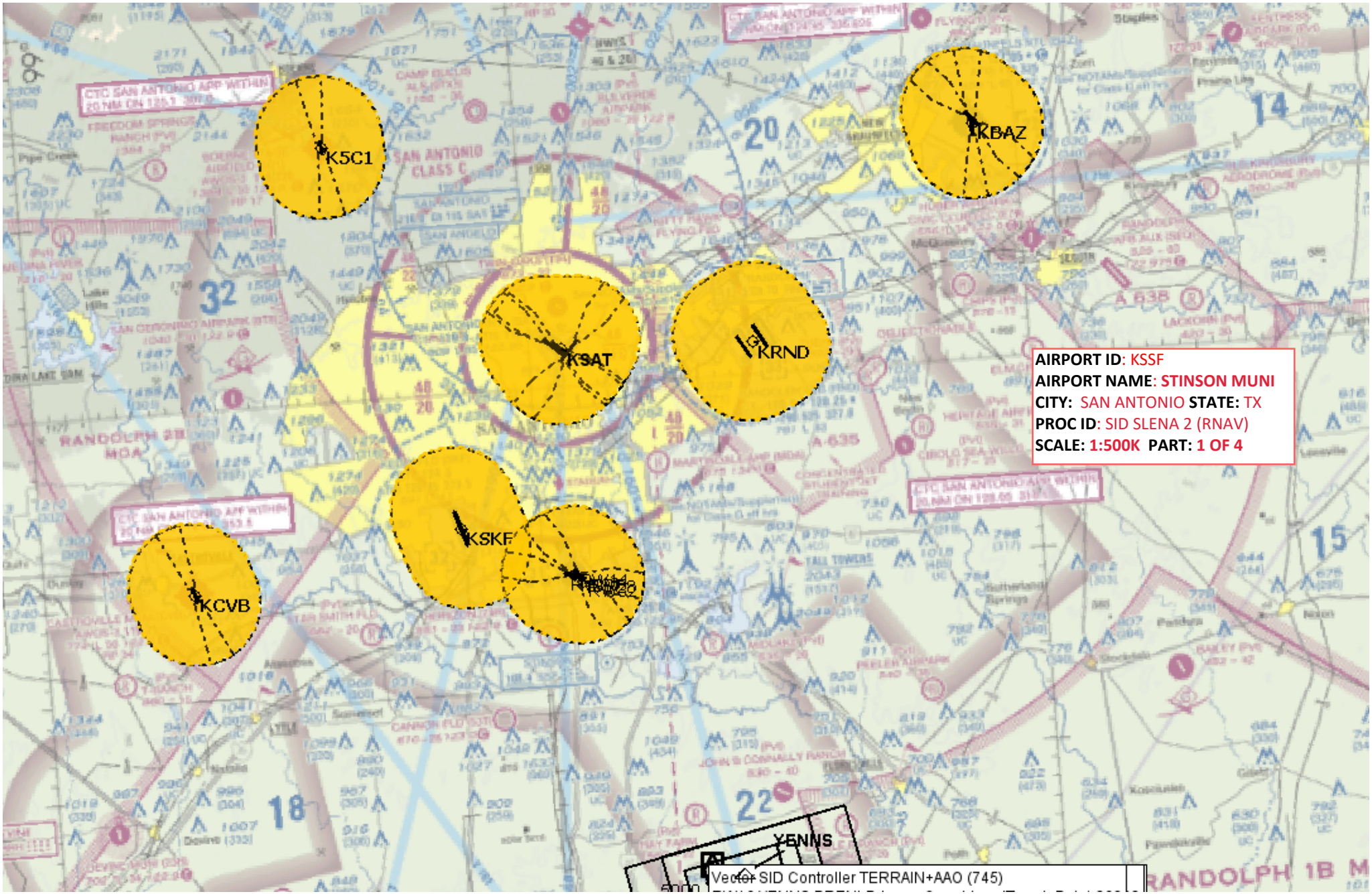
SC-3, 28 NOV 2024 to 26 DEC 2024

DEPARTURE ROUTE DESCRIPTION

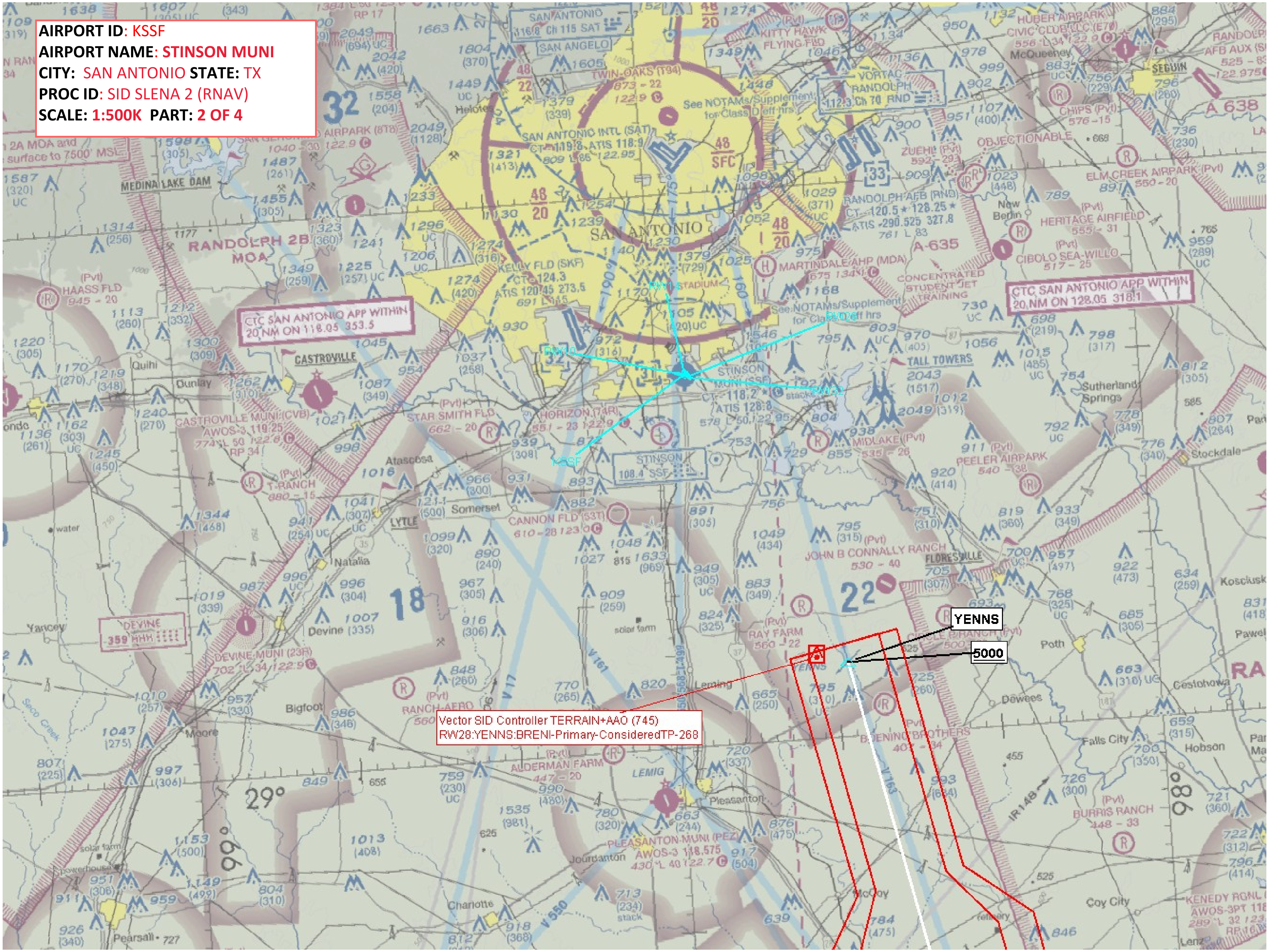
TAKEOFF RUNWAY 9: Climb on heading 095° or as assigned by ATC, for vectors to YENNS, thence . . . .
TAKEOFF RUNWAY 14: Climb on heading 137° or as assigned by ATC, for vectors to YENNS, thence . . . .
TAKEOFF RUNWAY 27: Climb on heading 275° or as assigned by ATC, for vectors to YENNS, thence . . . .
TAKEOFF RUNWAY 32: Climb on heading 317° or as assigned by ATC, for vectors to YENNS, thence . . . .

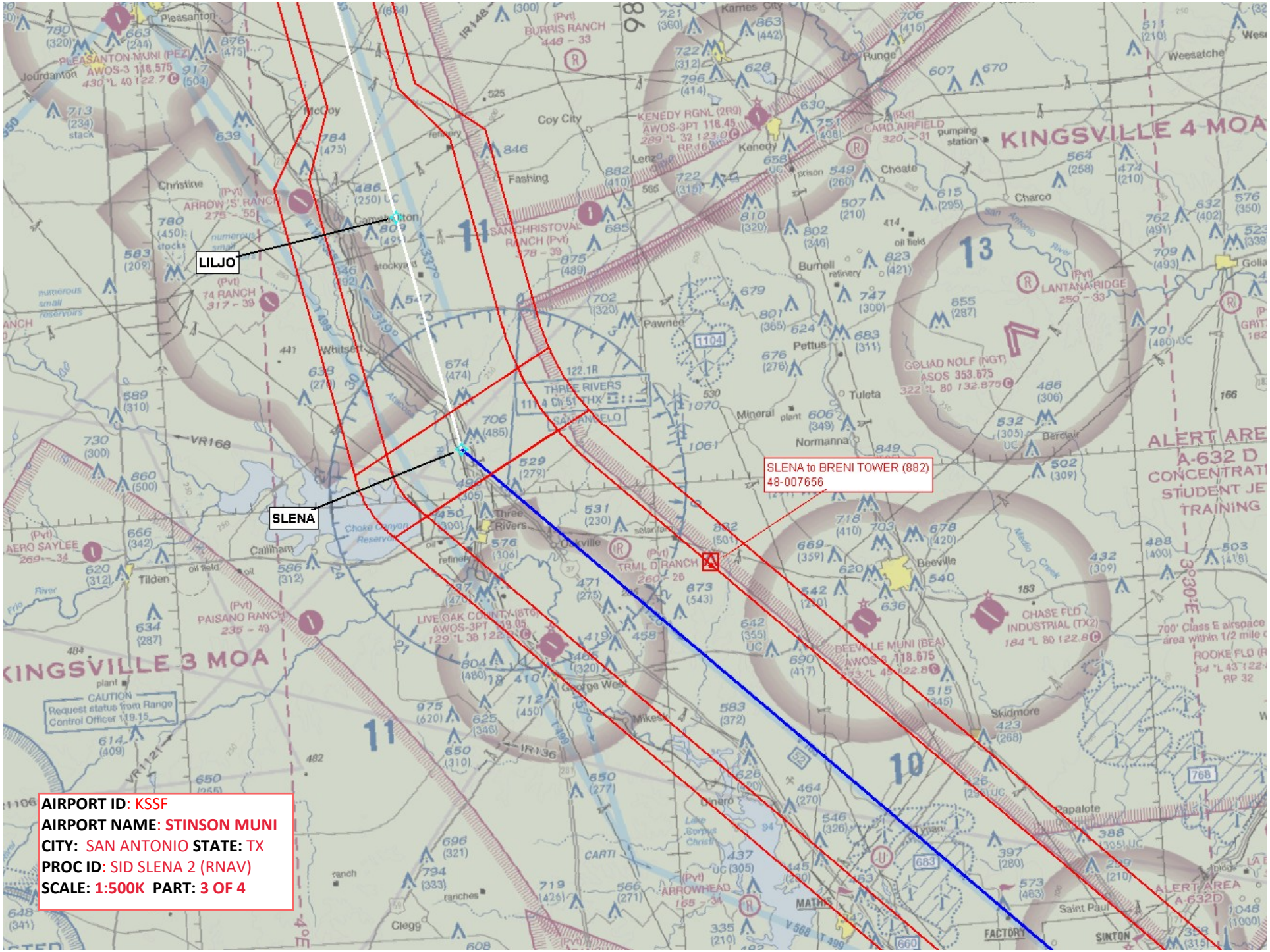
. . . . on track 161° to LILJO, then on track 161° to SLENA, then on transition. Maintain ATC assigned altitude.

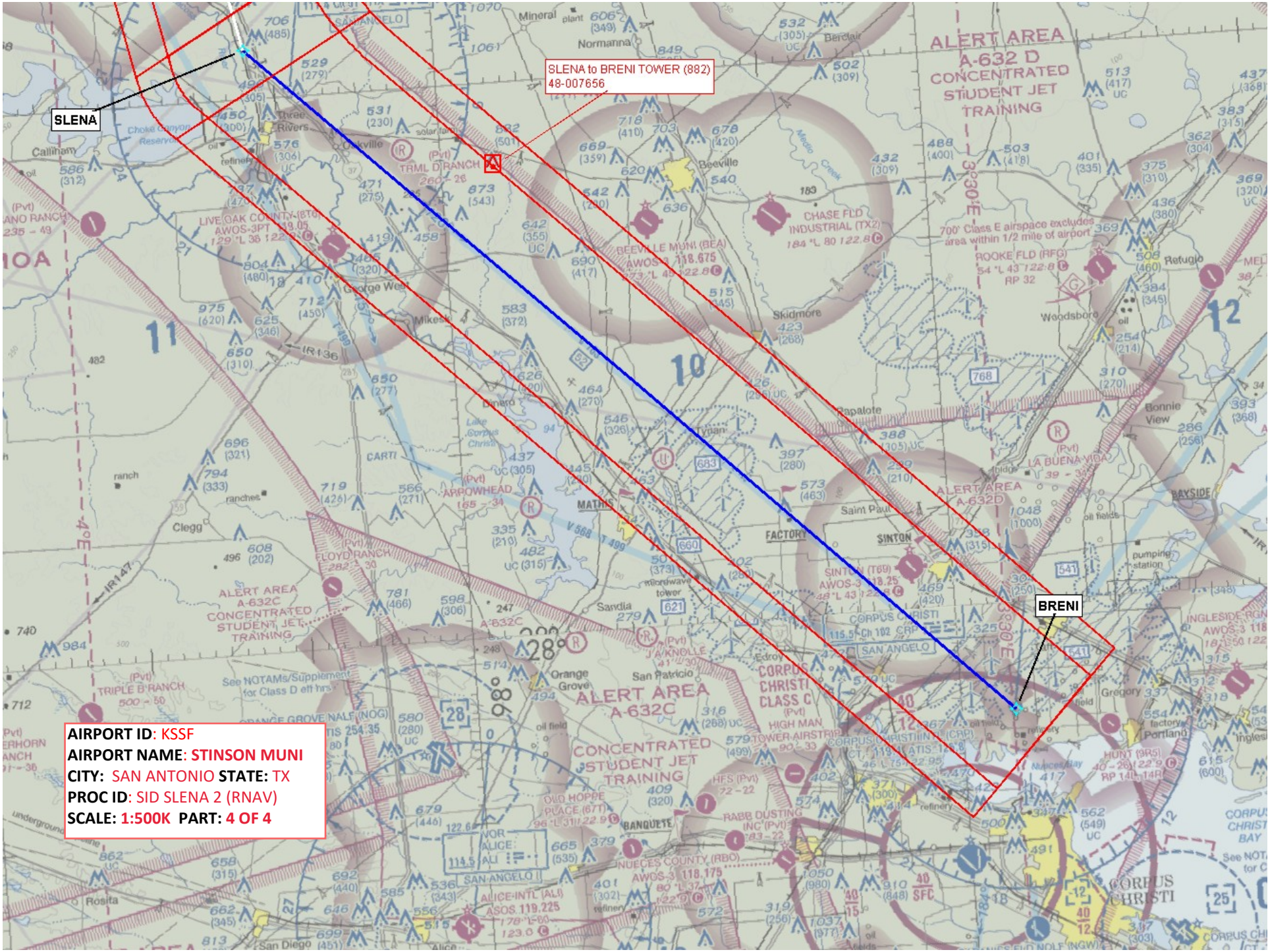
BRENI TRANSITION (SLENA1.BRENI)

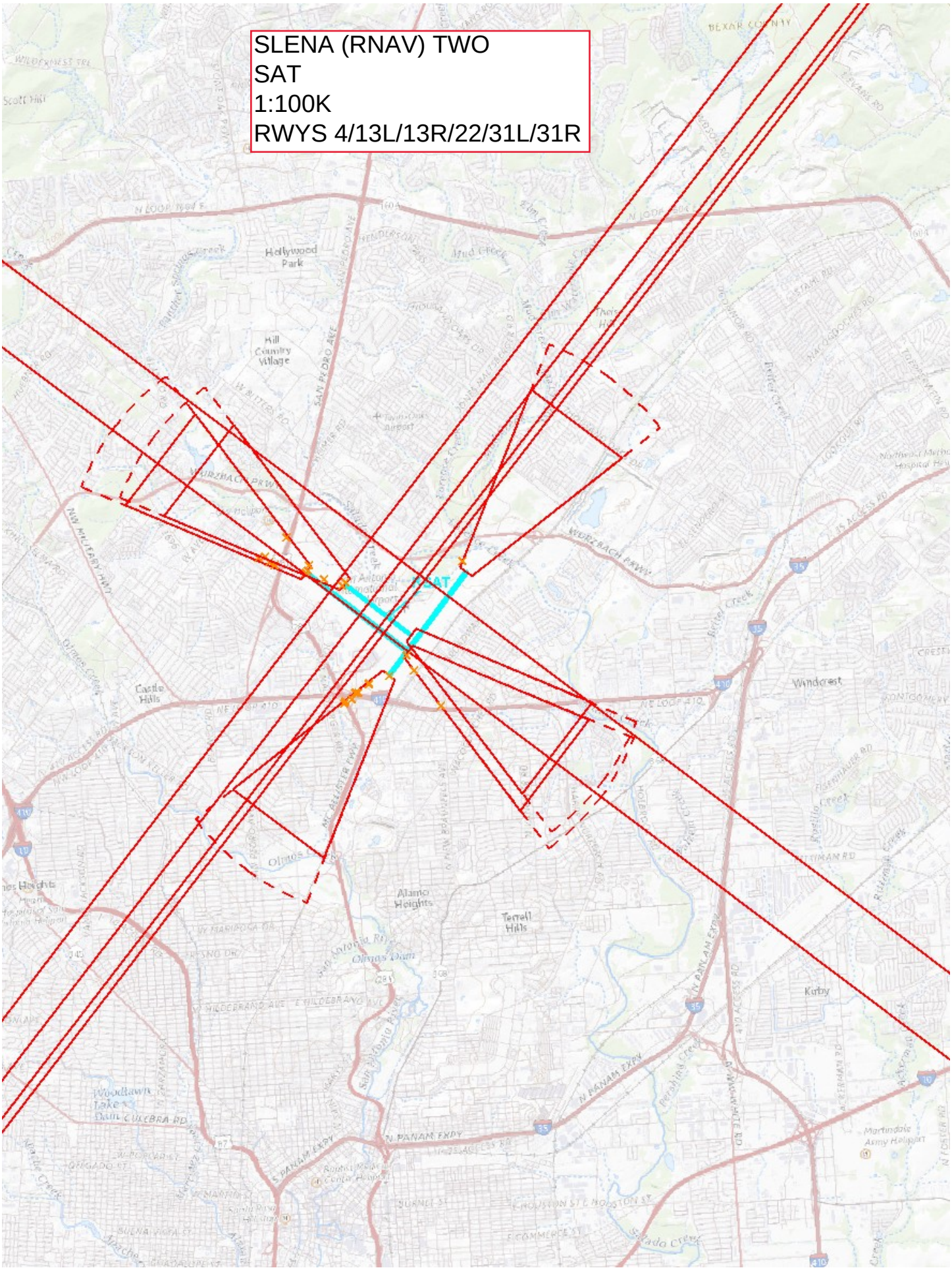

K5C1
KBAZ
KSAT
KRND
KSKF
KCVB
AIRPORT ID: KSSF
AIRPORT NAME: STINSON MUNI
CITY: SAN ANTONIO STATE: TX
PROC ID: SID SLENA 2 (RNAV)
SCALE: 1:500K PART: 1 OF 4
YENNS
Vector SID Controller TERRAIN+AAO (745)

AIRPORT ID: KSSF
AIRPORT NAME: **STINSON MUNI**
CITY: SAN ANTONIO **STATE**: TX
PROC ID: SID SLENA 2 (RNAV)
SCALE: **1:500K** **PART**: **2 OF 4**

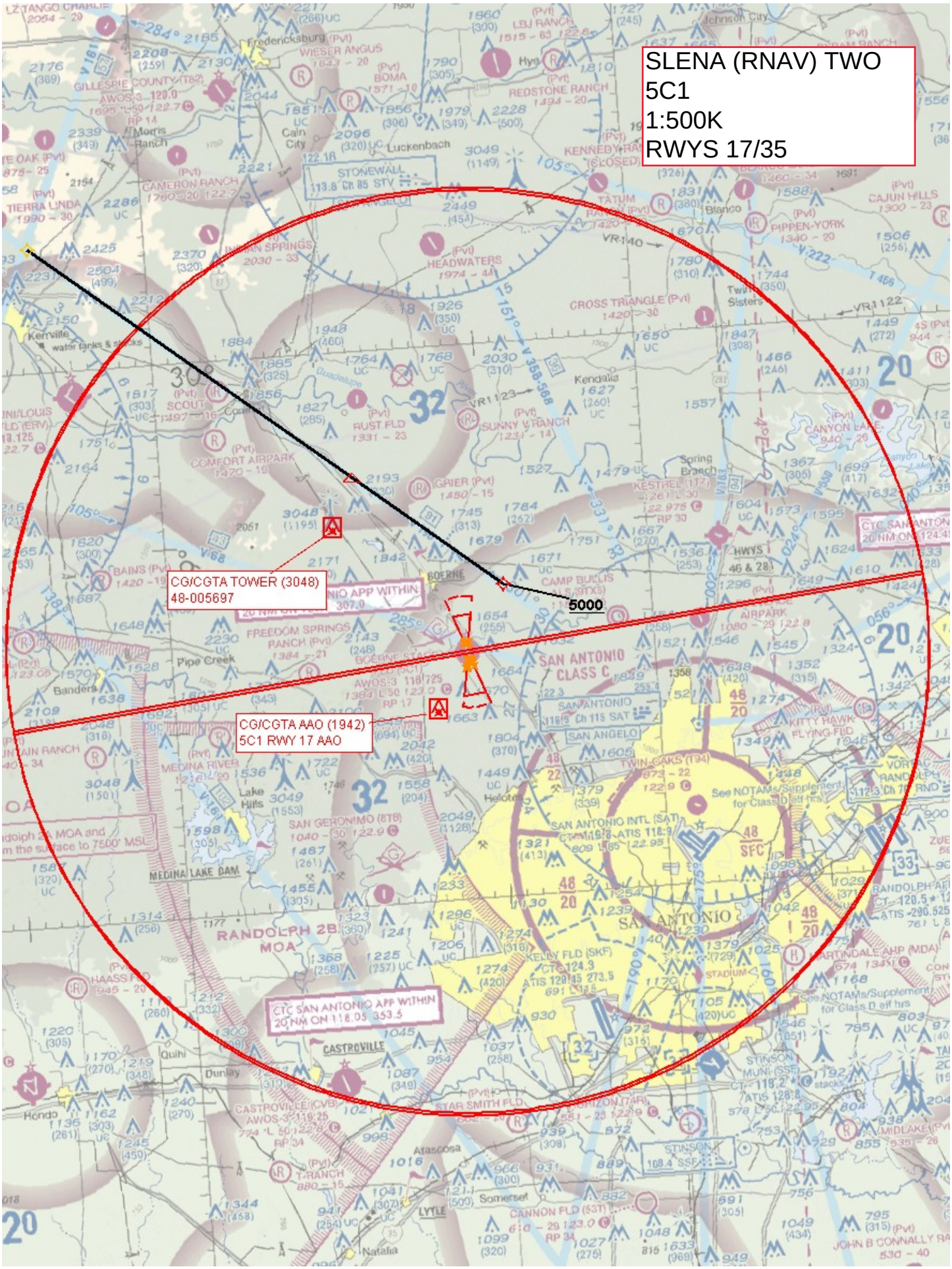


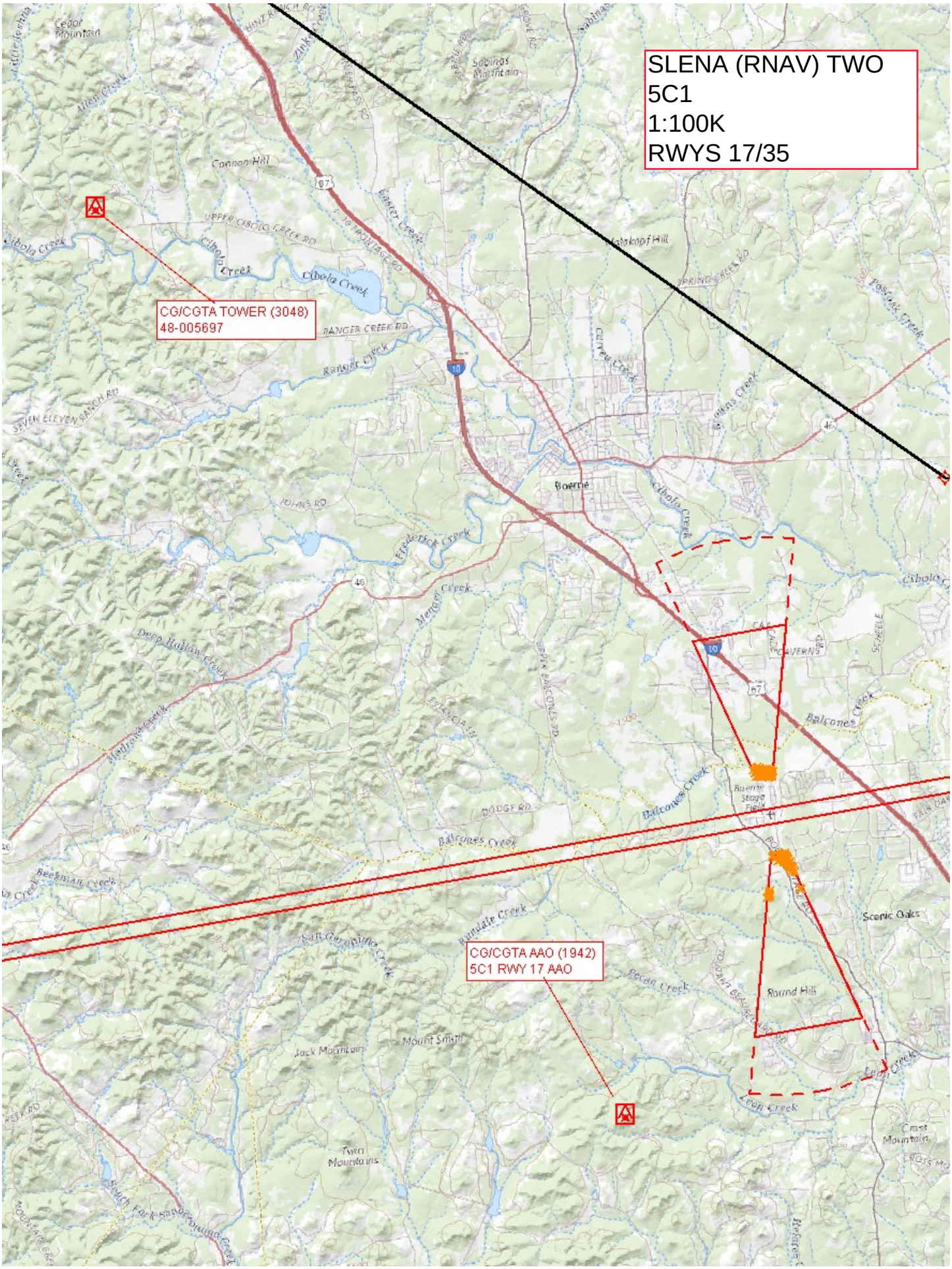

LILJO
SLENA
SLENA to BRENI TOWER (882)
48-007656
KINGSVILLE 4 MOA
KINGSVILLE 3 MOA
ALERT AREA A-632 D
CONCENTRATION
STUDENT JET TRAINING
CHASE FLD INDUSTRIAL (TX2)
BEEVILLE MUNI (BEA)
KENEDY RGNL (2R9)
PLEASANTON MUNI (PEZ)
LIVE OAK COUNTY (6T6)
GOLIAD NOLF (NGT)
THREE RIVERS
CAUTION
Request status from Range Control Officer 119.15
AIRPORT ID: KSSF
AIRPORT NAME: STINSON MUNI
CITY: SAN ANTONIO STATE: TX
PROC ID: SID SLENA 2 (RNAV)
SCALE: 1:500K PART: 3 OF 4

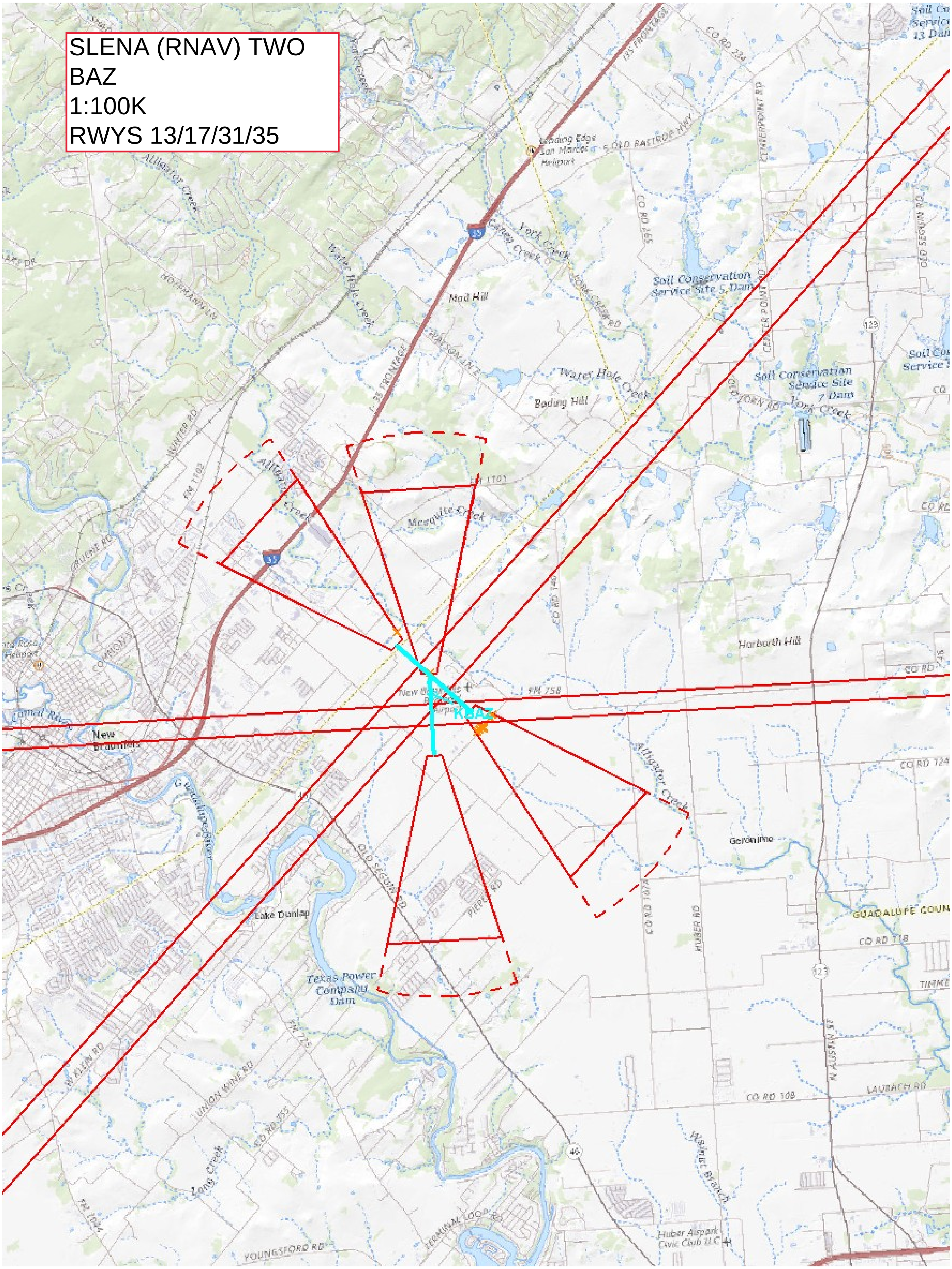

SLENA
SLENA to BRENI TOWER (882)
48-007656
BRENI
ALERT AREA A-632 D CONCENTRATED STUDENT JET TRAINING
ALERT AREA A-632C CONCENTRATED STUDENT JET TRAINING
ALERT AREA A-632D
CHASE FLD INDUSTRIAL (TX2)
BEEVILLE MUNI (BEA)
ROOKE FLD (RFG)
CORPUS CHRISTI CLASS C
NUECES COUNTY (RBO)
ALICE INTL (ALI)
SAN ANGELO
AIRPORT ID: KSSF
AIRPORT NAME: STINSON MUNI
CITY: SAN ANTONIO STATE: TX
PROC ID: SID SLENA 2 (RNAV)
SCALE: 1:500K PART: 4 OF 4


SLENA (RNAV) TWO
SAT
1:100K
RWYS 4/13L/13R/22/31L/31R
SAT
Hollywood Park
Hill Country Village
Castle Hills
Windcrest
Alamo Heights
Terrell Hills
Olmos Dam
Kirby
Woodlawn Lake
Martindale Army Heliport
N PANAM EXPY
NE LOOP 410
WURZBACH PKWY
SAN PEDRO AVE
MC ALLISTER FWY
NEW MILITARY HWY

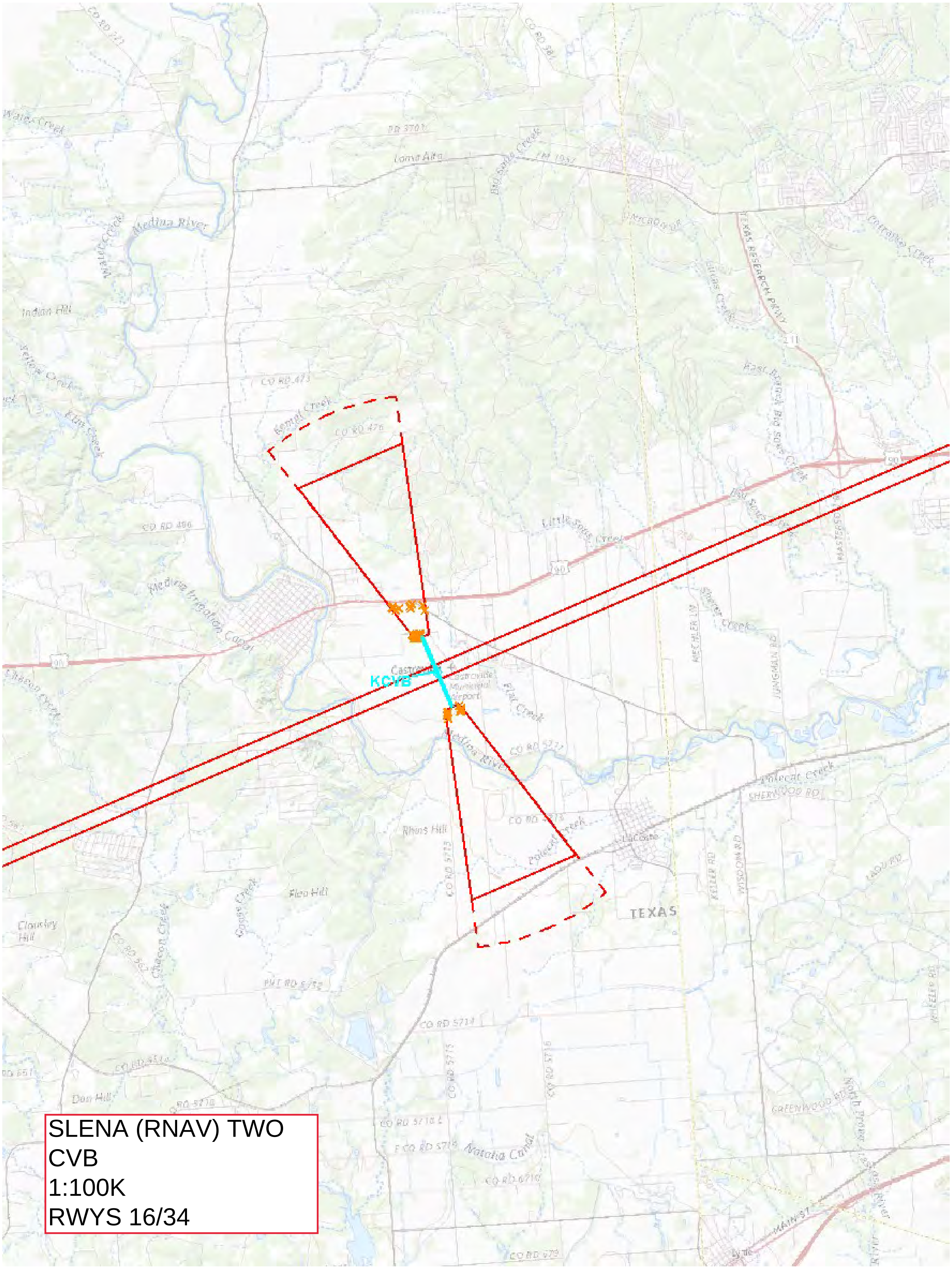

SLENA (RNAV) TWO
SAT
1:500K
RWYS 4/13L/13R/22/31L/31R
TATAR
TREVA
SAN ANTONIO CLASS C
KSAT
KSKF
KRND
KBAZ
KCAT
CTC SAN ANTONIO APP WITHIN 20 NM ON 118.05 353.5

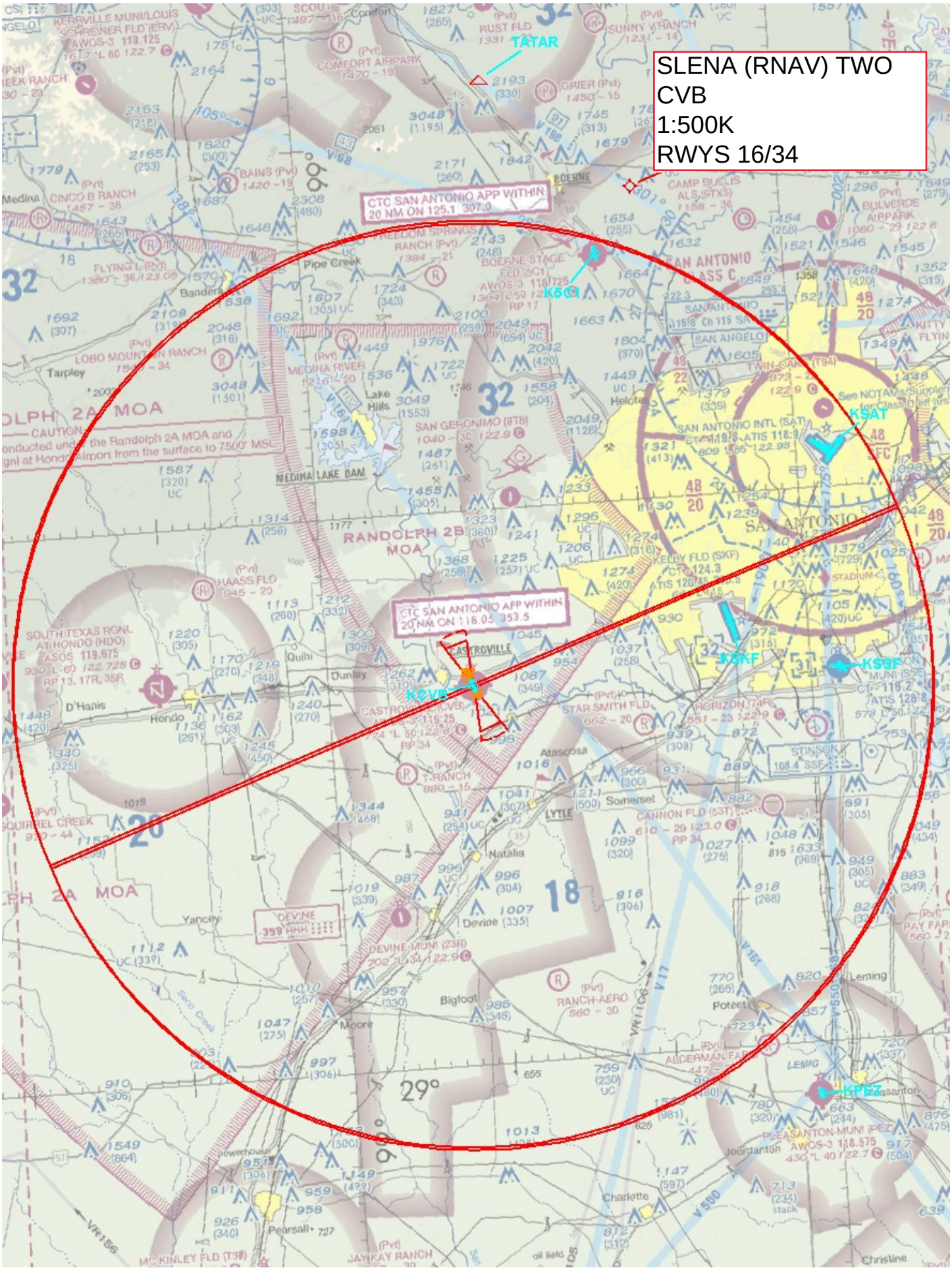

SLENA (RNAV) TWO
5C1
1:500K
RWYS 17/35
CG/CGTA TOWER (3048)
48-005697
5000
CG/CGTA AAO (1942)
5C1 RWY 17 AAO
SAN ANTONIO CLASS C
RANDOLPH 2B MOA
MEDINA LAKE DAM
CTC SAN ANTONIO APP WITHIN 20 NM ON 118.05 353.5
CASTROVILLE
BOERNE
Kerrville
Fredericksburg
Luckenbach
Kendalia
Spring Branch
Pipe Creek
Bandera
Lake Hills
Hondo
Natalia
Somerset
Atascosa
Quihi
Dunlay
SAN ANTONIO INTL (SAT)
KELLY FLD (SKF)
STINSON MUNI (SSF)
RANDOLPH AFB
HARTINDALE AHP (MDA)
JOHN B CONNALLY RA
CANNON FLD (63T)
STAR SMITH FLD
CASTROVILLE (CVB)
AWOS-3 118.25
SAN GERONIMO (BTB)
AWOS-3 120.0
GILLESPIE COUNTY (T82)
AWOS-3 118.725
TWIN OAKS (T94)
KITTY HAWK FLYING FLD
See NOTAMs/Supplement for Class D eff hrs
CTC SAN ANTONIO APP WITHIN 20 NM ON 124.4
HWYS 46 & 281
Johnson City
Blanco
Twin Sisters
Comfort
Guadalupe
Helotes
Cain City
Morris Ranch
Headwaters
Cross Triangle (Pvt)
Sunny Ranch
Rust Fld
Grier (Pvt)
Camp Bullis
Freedom Springs Ranch (Pvt)
Boerne Stage
Redstone Ranch
Tatum Ranch
Kennedy Ranch (Closed)
Pippen-York
Cajun Hills
Canyon Lake
Stonewall
Indian Springs
Cameron Ranch
Tierra Linda
Oak (Pvt)
Comfort Airpark
Scout
Bains (Pvt)
Medina River
Mountain Ranch
Kestrel (1T7)
Horizon (74R)
T-Ranch
Lyttle
VR140
VR1122
VR1123
V222
V68
V163
V358
V30

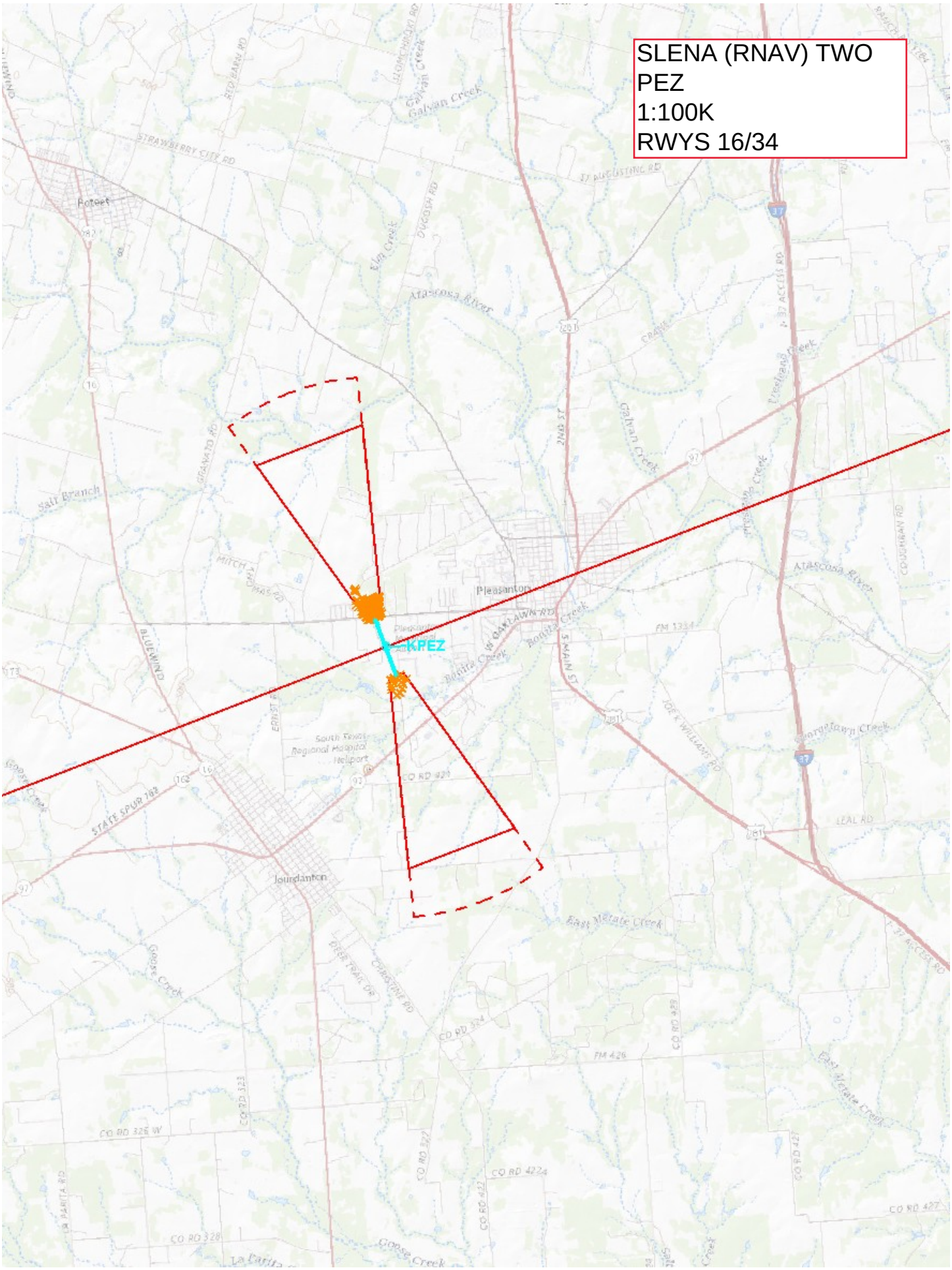

SLENA (RNAV) TWO
5C1
1:100K
RWYS 17/35
CG/CGTA TOWER (3048)
48-005697
CG/CGTA AAO (1942)
5C1 RWY 17 AAO
Boerne
Cibolo Creek
Ranger Creek
Balcones Creek
Scenic Oaks
Round Hill
Mount Smith
Jack Mountain
Twin Mountains
Cedar Mountain
Cannon Hill
Lookout Hill
Boerne Stage Field

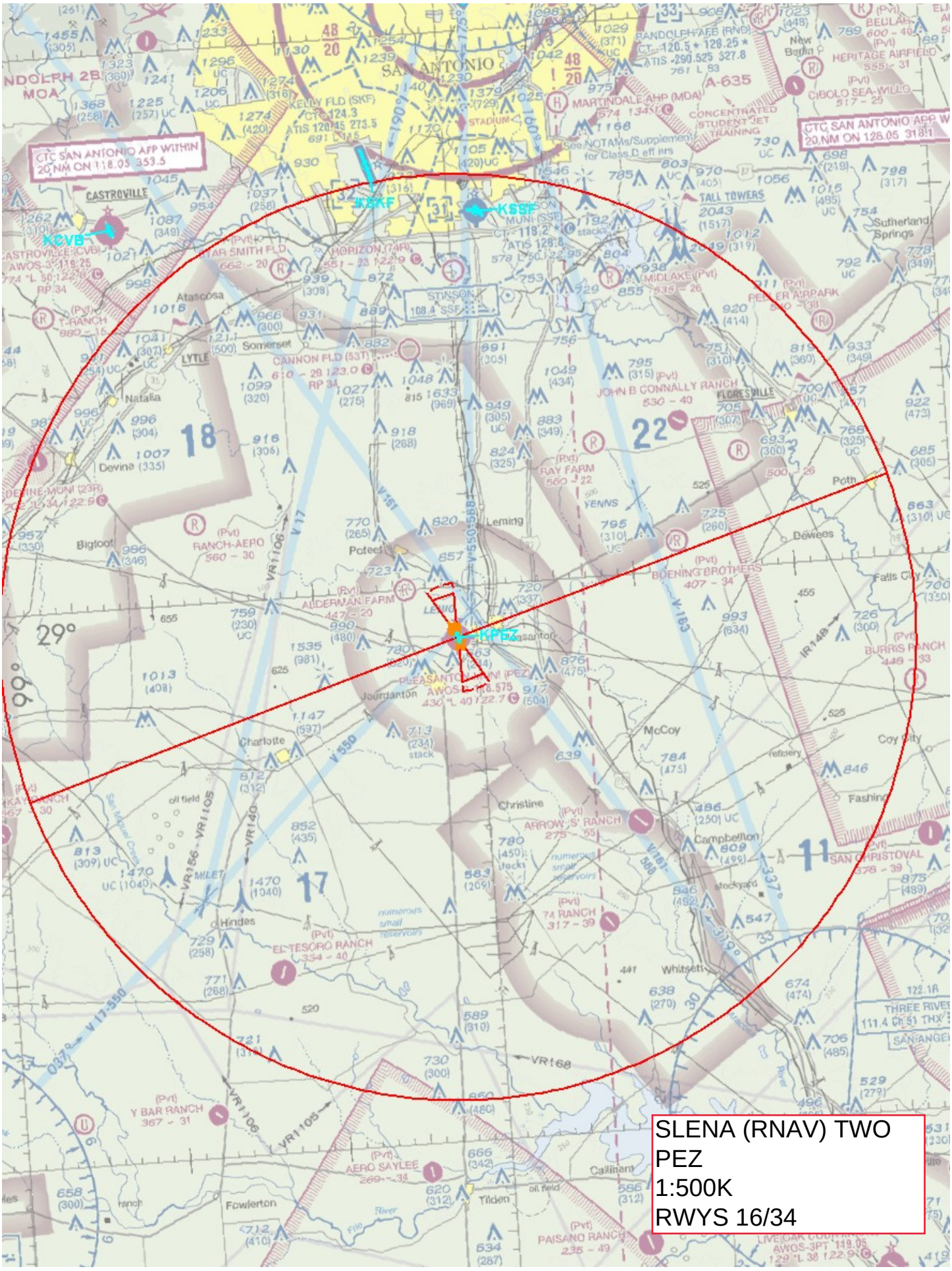

SLENA (RNAV) TWO
BAZ
1:100K
RWYS 13/17/31/35
KBAZ
Alligator Creek
Water Hole Creek
York Creek
Mesquite Creek
Mud Hill
Bading Hill
Harborth Hill
Geronimo
New Braunfels
Lake Dunlap
Texas Power Company Dam
Soil Conservation Service Site 5 Dam
Soil Conservation Service Site 7 Dam
FM 758
FM 725
OLD SEGUIN RD
UNION WINE RD
YOUNGSFORD RD
TERMINAL LOOP RD
Walnut Branch
Long Creek
CO RD 108
LAUBACH RD
GUADALUPE COUN
Huber Airpark Civic Club LLC

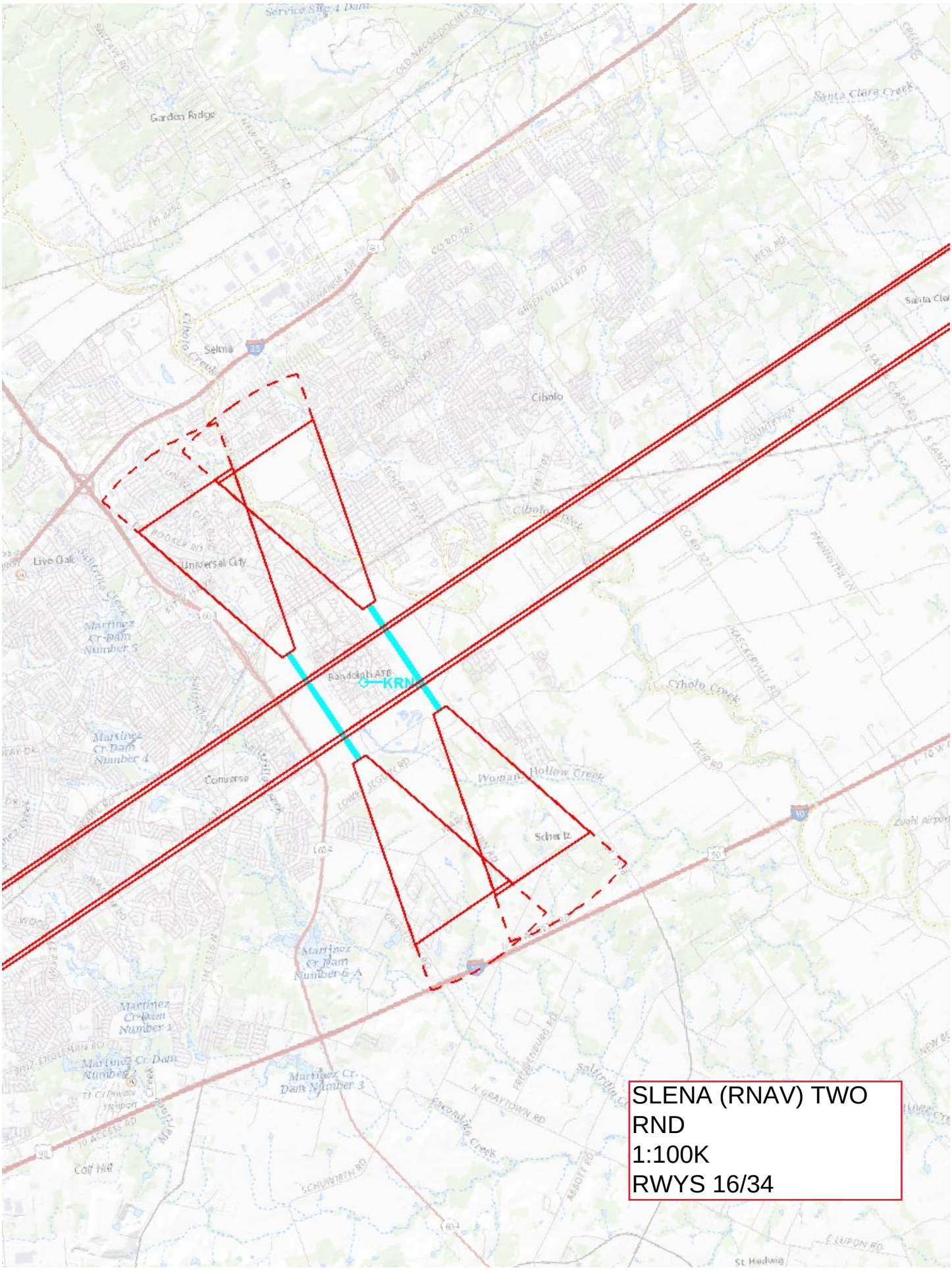

SLENA (RNAV) TWO
BAZ
1:500K
RWYS 13/17/31/35


SLENA (RNAV) TWO
CVB
1:100K
RWYS 16/34
KCVB
Castroville Municipal Airport
Medina River
Medina Irrigation Canal
Indian Hill
Rhuis Hill
Flea Hill
Don Hill
Polecat Creek
Flat Creek
Little Sous Creek
Big Sous Creek
Chacon Creek
Natalia Canal
TEXAS
CO RD 473
CO RD 476
CO RD 486
CO RD 5711
CO RD 5713
CO RD 5714
CO RD 5715
CO RD 5716
FM 1957
90

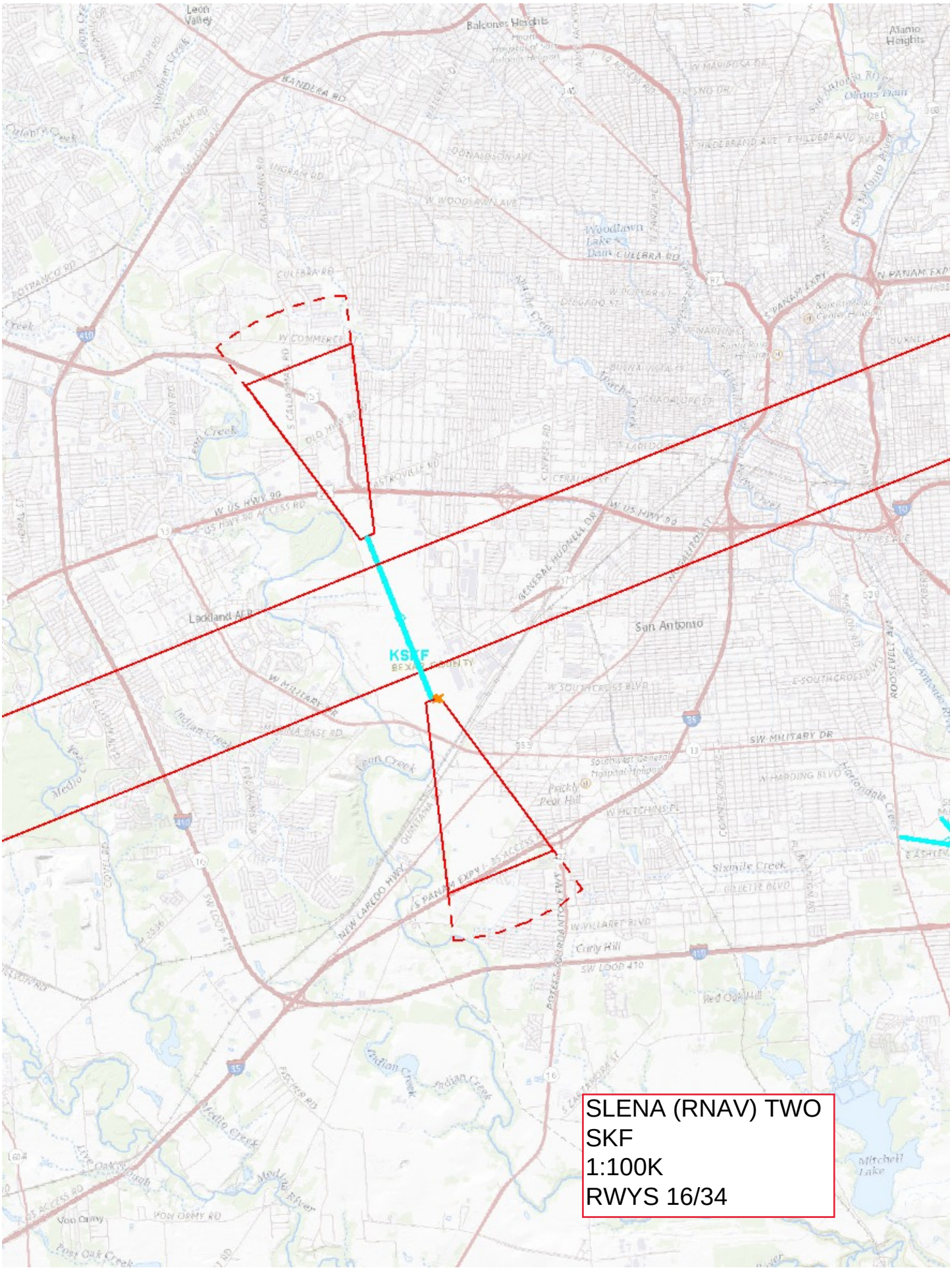

SLENA (RNAV) TWO
CVB
1:500K
RWYS 16/34
TATAR
KSAT
KCVB
KSSF
KPEZ
KSKF
KBOE
CTC SAN ANTONIO APP WITHIN 20 NM ON 125.1 307.0
CTC SAN ANTONIO APP WITHIN 20 NM ON 118.05 353.5
RANDOLPH 2B MOA
RANDOLPH 2A MOA
MEDINA LAKE DAM
CASTROVILLE
DEVINE
LYTLE
Bandera
Pipe Creek
Tarpley
Medina
Hondo
Dunlay
Quihi
Natalia
Somerset
Atascosa
Yancey
Moore
Bigfoot
Devine
Pearsall
Charlotte
Poteet
Leming
Jourdanton
Christine
SAN ANTONIO
SAN ANTONIO INTL (SAT)
KELLY FLD (SKF)
STINSON
PLEASANTON-MUNI (PEZ)
SOUTH TEXAS RGNL AT HONDO (HDO)
CANNON FLD (53T)
MC KINLEY FLD (T38)

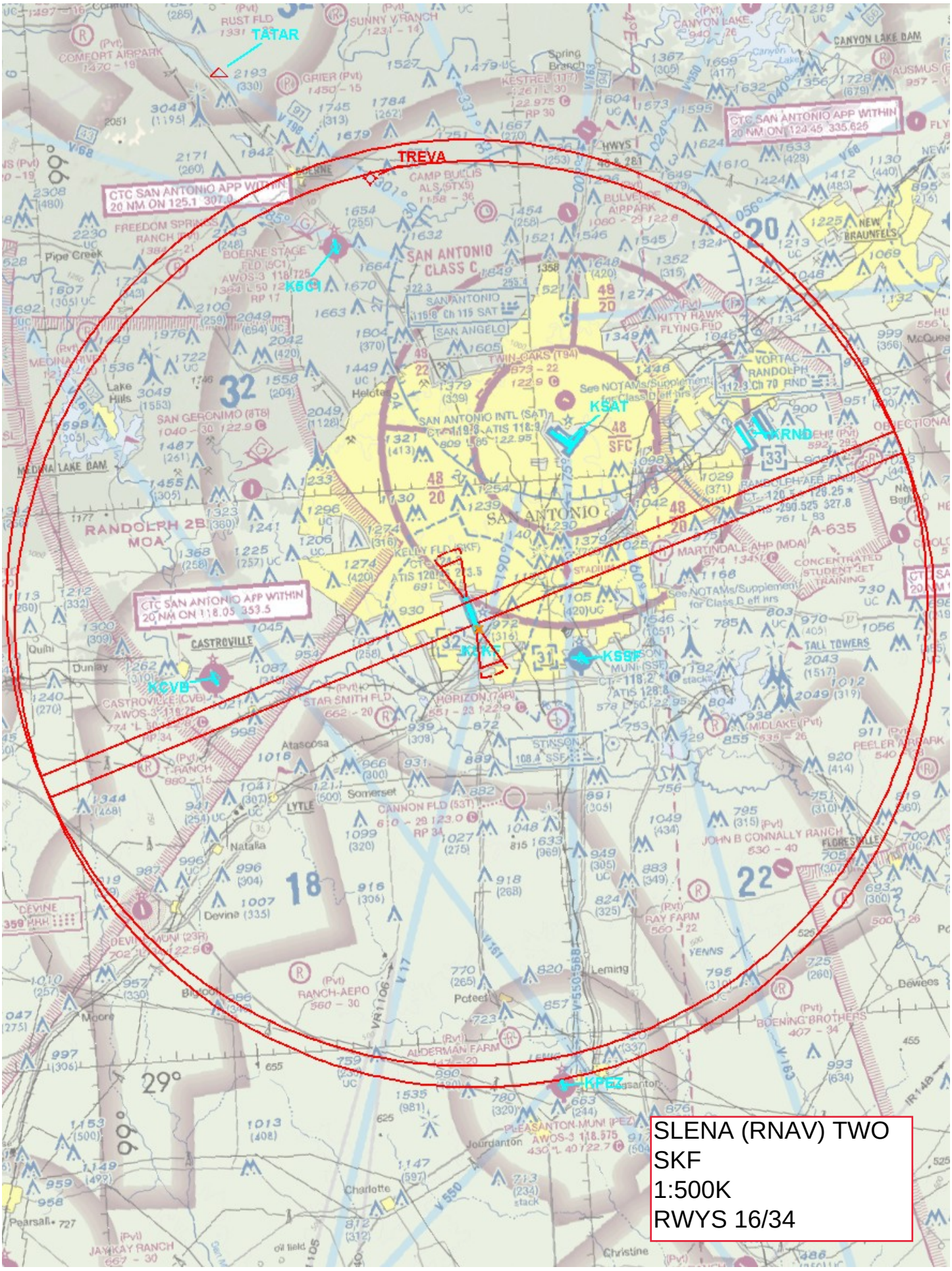

SLENA (RNAV) TWO
PEZ
1:100K
RWYS 16/34
KPEZ
Pleasanton
Jourdanton
Poteet
Atascosa River
Salt Branch
Galvan Creek
Elm Creek
Bonita Creek
Georgetown Creek
East Metate Creek
Goose Creek
South Texas Regional Hospital Heliport
STRAWBERRY CITY RD
ST AUGUSTINE RD
2ND ST
S MAIN ST
OAKLAWN RD
BLUEWIND
STATE SPUR 182
CO RD 429
CO RD 424
CO RD 326 W
CO RD 328
CO RD 427
FM 1334
FM 426
LEAL RD


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

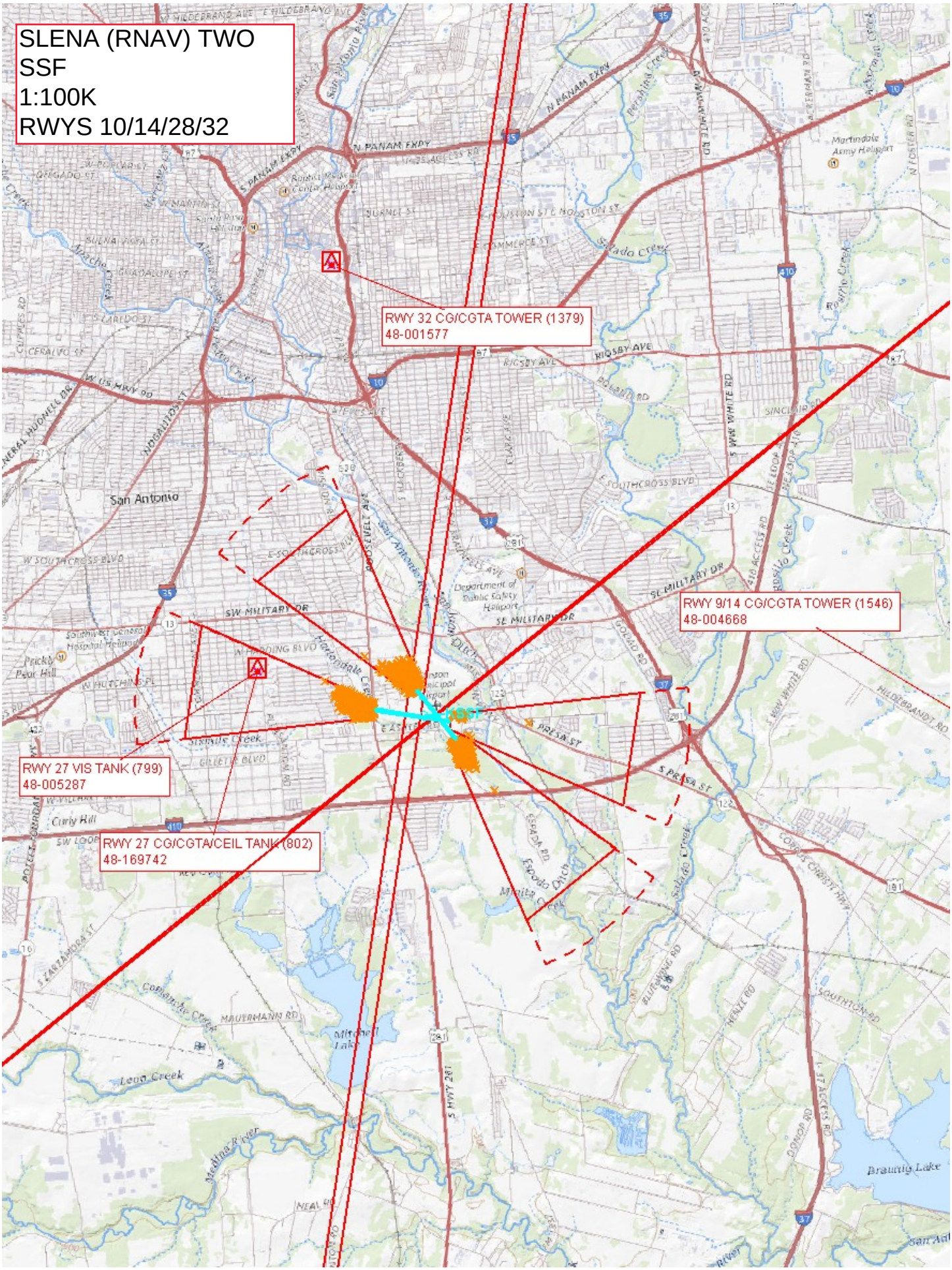

Garden Ridge
Santa Clara Creek
Selma
Cibolo
Universal City
Live Oak
Martinez Cr Dam Number 5
Randolph AFB
KRND
Martinez Cr Dam Number 4
Converse
Woman Hollow Creek
Schertz
Martinez Cr Dam Number 6-A
Martinez Cr Dam Number 1
Martinez Cr Dam Number 2
Martinez Cr Dam Number 3
Cibolo Creek
Escondido Creek
Coll Hill
St Hedwig
SLENA (RNAV) TWO
RND
1:100K
RWYS 16/34


TREVA
KSAT
KRND
KSKF
KSSF
KBAZ
SAN ANTONIO CLASS C
CTC SAN ANTONIO APP WITHIN 20 NM ON 124.45 335.625
CTC SAN ANTONIO APP WITHIN 20 NM ON 128.05 318.1
SLENA (RNAV) TWO
RND
1:500K
RWYS 16/34


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


TATAR
TREVA
K6CT
KSAT
KRND
KSSF
KCVB
KPEZ
CTC SAN ANTONIO APP WITHIN 20 NM ON 125.1 307.0
CTC SAN ANTONIO APP WITHIN 20 NM ON 124.45 335.625
CTC SAN ANTONIO APP WITHIN 20 NM ON 118.05 353.5
SAN ANTONIO CLASS C
RANDOLPH 2B MOA
SAN ANTONIO
SLENA (RNAV) TWO
SKF
1:500K
RWYS 16/34


TATAR
TREVA
KSAT
KRND
KSSF
KSKF
KCVB
KBAZ
KPEZ
RWY 32 CG/CGTA TOWER (1379)
48-001577
RWY 9/14 CG/CGTA TOWER (1546)
48-004668
RWY 27 CG/CGTA/CEIL TANK (802)
48-169742
RWY 27 VIS TANK (799)
48-005287
SLENA (RNAV) TWO
SSF
1:500K
RWYS 10/14/28/32


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
SSF
San Antonio