Draft

DATA COLLECTION SITE VISIT REPORT

for the Air Installation Compatible Use Zone (AICUZ) Study for Davis-Monthan Air Force Base, Arizona

Headquarters Air Combat Command

September 2007

Instructions for Data Verification

This letter report provides Davis-Monthan AFB personnel with consolidated documentation of aircraft operational data and flight profiles, as provided during the 20 July 2007 Data Collection Site Visit. This information should be reviewed for content and verified for accuracy. This report has been prepared for internal use only and will not be released to the public.

Please distribute this letter report to each of the respective squadron personnel that contributed information during the Data Collection Site Visit (see list below). Each section should be verified for accuracy. Attachment 1 contains the excel tables that were used to determine the number of daily arrivals, departures, and closed pattern operations on each flight track and the number of day-time and night-time operations that are conducted. Please ensure that squadron personnel verify the data for accuracy and provide comments and clarifications where applicable.

Once the main report and Attachment 1 have been reviewed, please look at the appropriate appendix that contains individual squadron information. Each appendix contains maps with aircraft tracks and profile information. The profile data includes the airspeed, power setting, and altitude of each operation (i.e., departure, arrival, and closed pattern).

Thank you for your assistance in reviewing this document.

Unit Personnel

355 FW

[redacted], 355 OG/OGV

[redacted], 355 OSS/OSAA

[redacted], 355 MXG

563 RG

[redacted], 563 RQG/SE

[redacted], 563 RQG/OGV

[redacted], 563 MXS/MXMBP

943 RG

[redacted], 943 RQG/OGV

[redacted], 943 MXS/MXMP

[redacted], 943 MXS/MXA

55 ECG

[redacted], 55 ECG/EGV

CBP

[redacted]

AMARG

[redacted]

Snowbird

[redacted], 162 FW/OSB

[redacted], 162 FW/OSB

162 FW

[redacted], ADET

[redacted], ADET

Draft Data Collection Site Visit Report
for the Air Installation Compatible Use Zone (AICUZ) Study
for Davis-Monthan Air Force Base

Summary

Table S-1: Type and Number of Aircraft by Squadron

Squadron	Aircraft Type	Number Assigned	Annual Sorties
355 FW	A-10	66	12,373
563 RG	HH-60	8	501
	HC-130	5	395
943 RG	HH-60	5	269
55 ECG	EC-130	14	737
CBP	UH-60	4	2,068
	AS-350	8	4,137
	C-550	3	730
	C-210	2	52
162 FW	F-16C	3	416
Total Aircraft Assigned at Davis-Monthan AFB		**118**	**21,678**

In addition to the based aircraft listed in Table S-1, the Aerospace Maintenance and Regeneration Group (AMARG) and Operation Snowbird operate out of Davis-Monthan Air Force Base. Operations from AMARG are flown primarily with the following aircraft: A-10, C-130, F-4, F-16, and the P-3. Operations from Snowbird are flown primarily with the following aircraft: A-10, F-15, F-16, and GR-4. There is one runway at Davis-Monthan Air Force Base. Table S-2 shows the runway length and width for Runway 12/30 and Table S-3 shows the climatological data.

Table S-2: Runway Data

Runway	Length	Width
12/30	13643 feet (4,158 meters)	200 feet (61 meters)

Magnetic Declination: +12° East (in Year 2000)
Source: www.AirNav.com

Table S-3: Climatological Data

Month	Temperature (degrees F)	Relative Humidity (%)
January	51	46.5
February	54	43.5
March	58	39.5
April	67	30
May	76	23
June	85	21
July	87	40
August	85	45
September	81	37.5
October	71	36
November	59	37.5
December	52	44
Average Annual	**69**	**37**

Source: *Operational Climatic Data Summary for Davis-Monthan AFB, Arizona*. September 2004.

28 September 2007

[redacted]
HQ ACC/A7PP
129 Andrews Street, Suite 102
Langley AFB, VA 23665-2769

Subject: **Data Collection Site Visit Report for the Air Installation Compatible Use Zone Study for Davis-Monthan Air Force Base, Arizona**

Reference: **Contract No. GS-10F-0073L, Task 2, Subtask 1**

Dear [redacted]:

On behalf of engineering-environmental Management, Inc. (e²M), we are pleased to submit this Data Collection Site Visit Report for the Air Installation Compatible Use Zone (AICUZ) Study for Davis-Monthan Air Force Base (AFB), Arizona. This Report is submitted in both hardcopy format and electronically, as specified in the Statement of Work dated 6 September 2007. It is our understanding that local distribution of this deliverable will be facilitated by each recipient within their respective organizations. The distribution list is shown at the end of this correspondence.

Davis-Monthan AFB is the headquarters of the 12th Air Force (12 AF), 563rd and 943rd Rescue Group (563 RG and 943 RG), and the 55th Electronic Combat Group (55 ECG). The 12 AF is an Air Combat Command (ACC) unit, responsible for the combat readiness of seven active-duty wings including the 355th Fighter Wing (355 FW), the base's host unit, which provides medical, logistical, and operational support to all Davis-Monthan AFB units and is equipped with A-10A aircraft. HC-130 aircraft and HH-60 helicopters are assigned to the 563 RG, HH-60 aircraft are assigned to the 943 RG, and EC-130 aircraft are assigned to the 55 ECG. A U.S. Customs and Border Protection (CBP) Aviation Operations Branch is also stationed at Davis-Monthan AFB and is equipped with UH-60 and AS-350 helicopters and C-550 and C-210 aircraft.

The Aerospace Maintenance and Regeneration Group (AMARG) is located at Davis-Monthan AFB and provides critical aerospace maintenance and regeneration capabilities in support of global operations and agile combat support for a wide range of military operations. Aircraft that operate under AMARG typically include the A-10, F-4, F-16, P-3, and C-130. "Operation Snowbird" (hereafter referred to as Snowbird) is a National Guard Bureau program located at Davis-Monthan AFB and is supported through the 162nd Fighter Wing (162 FW). The Arizona Air National Guard Base in Tucson, next to Tucson International Airport, is the headquarters of the 162 FW. Snowbird utilizes A-10, F-15, F-16, and GR-4 aircraft, and the 162 FW is equipped with F-16C aircraft.

The Davis-Monthan AFB Data Collection Site Visit took place 30 July through 2 August 2007. [redacted] and [redacted] from e²M interviewed personnel from the squadrons at Davis-Monthan AFB discussed in the previous paragraphs in addition to staff at the Terminal Radar Approach Control Facility, Federal Aviation Administration Air Traffic Control Tower, Wing Scheduling for all base flying organizations and tenant units, GIS staff, the Joint Land Use Study community planner, and personnel at the Pima County Development Services.

The following subsections present the aircraft data for each unit at Davis-Monthan AFB.

355th Fighter Wing

The 355 FW consists of the 354th Fighter Squadron (FS), 357 FS, and the 358 FS. The 355 FW conducted 12,373 A-10 sorties in Fiscal Year (FY) 2007. In addition, the 355 FW conducted 1,760 closed patterns, 2,520 Visual Flight Rules (VFR) re-entries, and 230 re-runs. The data presented in the text below provides the breakdown of aircraft sorties used in the noise analysis completed for Davis-Monthan AFB for the 355 FW. As shown, approximately 95 percent of departures and arrivals occurred during the daytime and 5 percent during the nighttime. All of the closed pattern sorties occurred during the daytime. Daytime hours are between 0700 and 2200 hours; nighttime hours are between 2200 and 0700 hours.

Number of Aircraft	
354 FS Bulldogs - Operational FS	18
357 FS Dragons - Training FS	24
358 FS Lobos - Training FS	24
Total	66
Number of Flying Days Per Year	230

Based A-10A Aircraft				
Runway Split		**Day/Night Split**	*Day*	*Night*
Runway 12	80%	Departures	95%	5%
Runway 30	20%	Arrivals	95%	5%
		Closed Patterns	100%	0%

Breakdown of Annual A-10 Sorties

12,373 = estimated number of A-10 Sorties per year (11,564 actual + 7% [809] for attrition = 12,373)

Closed Patterns

500 = estimated number of Closed Patterns per year conducted by Operational Training Squadron
- 4 = number of Flight Training Phases/Classes per year
- 15 = number of pilots per Flight Training Phases/Classes
- 7 = number of rides per pilot
- 420 = number of rides per year
- 3 = number of patterns per ride
- 1,260 = estimated number of Closed Patterns per year conducted by Training Squadron
- **1,760 = estimated number of Closed Patterns per year**

VFR re-entry
- 1,260 = estimated number of Closed Patterns per year conducted by Training Squadron
- 2 = estimated number of VFR re-entries per Closed Pattern per year conducted by Training Squadron
- **2,520 = estimated number of VFR re-entries per year**

re-run (Radar Closed)
- 230 = number of flying days
- 1 = estimated number of re-runs per flying day
- **230 = estimated number of VFR re-entries per year**

Maintenance engine runs. The 355 FW conducted 440 maintenance engine runs in FY 2007. Of this amount, approximately 86 percent occurred during daytime hours and approximately 14 percent during nighttime hours. About 39 percent of the maintenance runs were scheduled and 61 percent were unscheduled. All of the scheduled maintenance runs occurred at the A-10 parking ramp. Unscheduled maintenance runs occurred at the following locations:

- A-10 Parking Ramp: 28%
- West Ramp: 13%
- Trim Pad 2: 13%
- Trim Pad 3: 46%.

563rd Rescue Group

The 563 RG consists of the 55th Rescue Squadron (RS) and the 79 RS. The 563 RG conducted 501 sorties and 864 closed patterns with the HH-60 and 395 sorties with the HC-130 in FY 2007. The data presented below provides the breakdown of helicopter and aircraft sorties used in the noise analysis completed for Davis-Monthan AFB for the HH-60 helicopter and the HC-130 aircraft. Approximately 37.5 percent of HH-60 arrivals occurred during the daytime and 62.5 percent during the nighttime, and all of the HH-60 departures and closed patterns occurred during the daytime. Approximately 74 percent of HC-130 arrivals occurred during the daytime and 26 percent during the nighttime, and all the HC-130 departures and closed patterns occurred during the daytime.

HH-60 Aircraft Operations

Number of Aircraft		
55 RS HH-60 "Pavehawk"	8	
Total	8	
Number of Flying Days Per Year		192

Based HH-60 Aircraft		
Day/Night Split	*Day*	*Night*
Total	87%	13%
Departures	100%	0%
Arrivals	37.5%	62.5%
Closed Patterns	100%	0%

Breakdown of Annual HH-60 Sorties	
4	sorties per flying day
4	flying days per week
48	weeks per year
768	average sorties per year
20%	percentage lost to attrition
614.4	= estimated number of HH-60 Sorties per year
501	**= FY 2007 actual sorties**
Closed Patterns	
2	sorties per week to Helicopter Training Area (HTA)
96	sorties per year to HTA
9	estimated closed patterns per HTA sortie (8-10 patterns per HTA sortie)
864	**= closed patterns at HTA**

Maintenance engine runs. The 563 RG conducts about 80 run-ups per year with the HH-60 on the 563 RG ramp. These runs are conducted at idle speed. Approximately 18 percent of these occurred during nighttime hours. The 563 RG also conducts maintenance runs with the HC-130 aircraft. Approximately 3 engine runs per sortie are conducted with the HC-130 aircraft. Approximately 80 percent of these occurred during nighttime hours.

HH-130 Aircraft Operations

Number of Aircraft		
79 RS HC-130 "Hercules"	5	
Total	5	
Number of Flying Days Per Year		192

Based HC-130 Aircraft				
Runway Split		**Day/Night Split**	*Day*	*Night*
Runway 12	20%	Total	74%	26%
Runway 30	80%	Departures	100%	0%
		Arrivals	74%	26%
		Closed Patterns	100%	0%

Breakdown of Annual HC-130 Sorties	
8	aircraft per day are nighttime sortie arrivals
2	aircraft per week are daytime sorties
10	number of sorties per week
48	weeks per year
480	average sorties per year
15%	percentage lost to attrition
408	= estimated number of HC-130 Sorties per year
395	**= FY 2007 actual sorties**

943rd Rescue Group

The 943 RG conducted 269 sorties and 432 closed patterns in FY 2007 with the HH-60 helicopter. The data presented below provides the sortie breakdown used in the noise analysis completed for Davis-Monthan AFB for the 943 RG. Approximately 25 percent of HH-60 arrivals occurred during the daytime and 75 percent during the nighttime, and all departures and closed patterns occurred during the daytime.

HH-60 Aircraft Operations

Number of Aircraft	
HH-60	5
Number of Flying Days Per Year	192

Based HH-60 Aircraft		
Day/Night Split	*Day*	*Night*
Total	87%	13%
Departures	100%	0%
Arrivals	25%	75%
Closed Patterns	100%	0%

Breakdown of Annual HH-60 Sorties	
7	average number of sorties per week
4	flying days per week
48	weeks per year
336	average sorties per year
20%	percentage lost to attrition
268.8	= estimated number of HH-60 Sorties per year
268.8	**= estimated value, FY 2007 actual sorties are unknown**

Closed Patterns	
1	sorties per week to Helicopter Training Area (HTA)
48	sorties per year to HTA
9	estimated closed patterns per HTA sortie (8-10 patterns per HTA sortie)
432	**closed patterns at HTA**

Maintenance engine runs. The 943 RG conducts 1 maintenance engine run for every 50 flight hours with the HH-60. These runs are performed on the 943 RG ramp at idle speed. All of these runs occurred during the daytime hours.

55th Electronic Combat Group

The 55 ECG is composed of the 41st Electronic Combat Squadron (ECS) and the 43 ECS. Each of these squadrons is assigned 7 EC-130 aircraft. The 55 ECG conducted a total of 737 sorties in FY 2007. The data presented below provides the breakdown of aircraft sorties used in the noise analysis completed for Davis-Monthan AFB for the EC-130 aircraft. Approximate 60 percent of arrivals occurred during the daytime and 40 percent during the nighttime, and 80 percent of departures occurred during the daytime and 20 percent during the nighttime.

EC-130 Aircraft Operations

Number of Aircraft		
41 ECS EC-130 "Hercules"	7	
43 ECS EC-130 "Hercules"	7	
Total	14	
Number of Flying Days Per Year		260

Based EC-130 Aircraft				
Runway Split		**Day/Night Split**	*Day*	*Night*
Runway 12	80%	Departures	80%	20%
Runway 30	20%	Arrivals	60%	40%

Breakdown of Annual EC-130 Sorties	
14	Average number of sorties per week
52	weeks per year
728	estimated number of HC-130 Sorties per year
737	**= FY 2007 actual sorties**

Closed Patterns		
	70%	arrivals complete closed patterns
Each closed pattern completes*:		
	2	PAR/TACAN approaches
	4-5	VFR approaches
	*re-entry is completed about 1 time for every 4 closed patterns	

Maintenance engine runs. Personnel from the 55 ECG were not available for interview at the time of the site visit. Since the 563 RG conducts about 3 engine runs per sortie with the HC-130 aircraft, it was assumed that the 55 ECG conducts 3 engine runs per sortie with the EC-130 aircraft. All of these run-ups were modeled during daytime hours.

U.S. Customs and Border Protection

The CBP Aviation Operations Branch stationed at Davis-Monthan AFB conducts helicopter and fixed-wing operations. The CBP conducted 6,205 helicopter sorties with the UH-60 and AS-350 and an estimated 730 fixed-wing sorties with the Cessna 550 (C-550) aircraft in FY 2007. In addition, the Citation 210 (C-210), which is a transient aircraft, completes one arrival and departure to Davis-Monthan AFB per week. Approximately 67 percent of helicopter sorties occurred during daytime hours and 33 percent during nighttime hours, and all fixed wing sorties occurred during the daytime.

Number of Aircraft		
UH-60 Helicopter	4	
AS-350 Helicopter	8	
C-550 Fixed-Wing	3	
C-210* Fixed Wing	2	
Total	17	
Number of Flying Days Per Year		365
*Transient, about 1 aircraft per week		

Helicopter (UH-60 and AS-350)		
Day/Night Split	*Day*	*Night*
Total	67%	33%

Fixed Wing (C-550 and C-210)				
Runway Split		**Day/Night Split**	*Day*	*Night*
Runway 12	80%	Departures	100%	0%
Runway 30	20%	Arrivals	100%	0%
		Closed Patterns	100%	0%

Based C-550, UH-60, AS-350 Aircraft	
Transient C-210 Aircraft	
Annual Sortie Total	
Total Helicopter Sorties	6,205
UH-60 Helicopter	2,068
AS-350 Helicopter	4,137
C-550 Fixed Wing	730
C-210 Fixed Wing	52

Maintenance engine runs. CBP personnel conduct maintenance runs with all of their assigned aircraft. Routine maintenance runs are conducted with the UH-60 about 1 hour per day in front of their hangar. In addition, under the "National Program" about 7 maintenance runs per year are conducted for approximately 3 hours. Routine maintenance runs with the AS-350, C-550, and C-210 are conducted in front of the CBP hangar. All of these runs occurred during daytime hours.

Aerospace Maintenance and Regeneration Group

Aircraft arriving and departing under AMARG typically include the A-10, F-4, F-16, P-3, and C-130 aircraft. The AMARG fly an estimated 230 days per year. In FY 2007, the A-10 aircraft conducted 30 sorties, the F-4 conducted 69 sorties, the F-16 conducted 17 sorties, the P-3 conducted 31 sorties, and the C-130 conducted 2 sorties. All AMARG sorties occurred during daytime hours.

Aircraft	Annual Sorties
A-10	30
F-4	69
F-16	17
P-3	31
C-130	2
Number of Flying Days Per Year	230

Runway Split	
Runway 12	80%
Runway 30	20%

Maintenance engine runs. The number of maintenance runs and the power settings that AMARG personnel utilize vary depending on the number and type of aircraft they receive. Engine runs at the flightline were modeled for the C-130, F-4, F-16, and P-3 aircraft. Functional check flight runs were modeled for the A-10, F-4, F-16, and P-3 aircraft.

Snowbird

Aircraft arriving and departing under Snowbird include the A-10, F-15, F-16, and GR-4. In FY 2007, the A-10 conducted 287 sorties, the F-15 conducted 24 sorties, the F-16 conducted 2,912 sorties, and the GR-4 conducted 180 sorties. As shown, the number of flying days varies depending on the training squadron and aircraft. All Snowbird sorties occurred during daytime hours.

Aircraft	Annual Sorties	Flying Days per Year
A-10	287	30
F-15	24	20
F-16	2,912	100
GR-4	180	15

Runway Split	
Runway 12	80%
Runway 30	20%

Maintenance engine runs. Snowbird personnel conduct engine runs to support deployments, they do not maintain the aircraft at Davis-Monthan AFB. Consequently, engine runs only occurred during the weeks when Snowbird train at Davis-Monthan AFB. Engine runs occurred primarily with the F-16 aircraft, however runs are also conducted with the F-15 and A-10 aircraft. Most of the engine runs are performed at idle power settings.

162nd Fighter Wing

The 162 FW performs an estimated 2 flights per mission and 4 sorties for a total of 8 sorties per week. From this data it was assumed that the 162 FW fly 2 days per week and 104 days per year which equates to approximately 416 sorties per year.

Number of Aircraft	
Based F-16	3
Number of Flying Days Per Year	104

Arrival Runway Split	
Runway 12	75%
Runway 30	25%
Departure Runway Split	
Runway 12	10%
Runway 30	90%

Maintenance engine runs. The 162 FW conducts check runs every other day with the F-16C aircraft. Crew change and practice runs are also conducted 2 and 10 times a month, respectively. All of these runs are conducted during daytime hours.

LOCAL MUNICIPALITIES

e²M staff met with [redacted], GIS analyst for Pima County Public Works, [redacted] and [redacted] from the Pima County Planning Development Service, and [redacted] and [redacted] from the City of Tucson Urban Planning Department to discuss zoning and land use in the vicinity of Davis-Monthan AFB. The data they provided include the following:

- Davis-Monthan AFB Boundary
- Pima County land use ordinances
- Pima County Comprehensive Land Use Plans, including data on all subregions
- Pima County Zoning.

ACTION ITEMS

The following data was requested during the site visit. Data that has not been provided will need to be collected prior to the completion of the AICUZ Study. Action items that have not been completed are listed as open.

- 55 ECG Maintenance data (**Open**)
- Data for the Implementation and Maintenance Plan (**Open**)
- Breakdown of total number of aircraft operations (Closed)
- In-flight Guide for aircraft flight tracks at Davis-Monthan AFB (Closed)
- Cooperative Agreement (Closed)
- Davis-Monthan Air Force Base/Tucson/Pima County Joint Land Use Study (Closed)
- FAR Part 150 Noise Compatibility Program Update for Tucson International Airport (Closed)
- In-flight Guide for helicopter flight tracks at Davis-Monthan AFB (Closed)
- GIS Data (Closed).

If you have any questions regarding this report, please feel free to contact the undersigned at [redacted] and we will do whatever is necessary to answer your questions. Thank you for your participation.

[redacted]
28 September 2007

Sincerely,
engineering-environmental Management, Inc.

[redacted]

[redacted]
Project Manager

Attachments:
1. Aircraft Operations Calculations
2. 355th Fighter Wing Summary Data
3. 563rd Rescue Group Summary Data
4. 943rd Rescue Group Summary Data
5. 55th Electronic Combat Group Summary Data
6. U.S. Customs and Border Protection Summary Data
7. Aerospace Maintenance and Regeneration Group Summary Data
8. Snowbird Summary Data
9. 162th Fighter Wing Summary Data
10. Administrative Data (POC List, Reference Log, and Interview Schedule)

Distribution: [redacted], HQ ACC/A7PP
[redacted], 355 CES/CECN
[redacted], USACE - Sacramento District, Transmittal Letter Only

ATTACHMENT 1

AIRCRAFT OPERATIONS CALCULATIONS

355 Wing and Tenant Unit Sorties

	Total	Day	Night	Day %	Night %	
A-10 (357,358,354 FS)	11564	10953	611	95%	5%	- See Sheet 2 for computations
HH-60 (563 RG [55 RQS])	501	437	64	87%	13%	- Data from 563 OSS, Night data from Weekly "Fly Final"
HC-130 (563 RG [79 RQS])	395	293	102	74%	26%	- Data from 563 OSS, Night data from Weekly "Fly Final"
EC-130 (55 ECG [41 & 43 ECS])	737	518	219	70%	30%	- Data from 755 OSS, Night data from Weekly "Fly Final"
SNOW BIRD F-16	2912	2912	0	100%	0%	- See Sheet 3 for Snowbird data
SNOW BIRD F-15	24	24	0	100%	0%	
SNOW BIRD GR-4	180	180	0	100%	0%	
SNOW BIRD A-10	287	287	0	100%	0%	

Night = T/O/Land before 0700 or After 2200

TOTAL FLY DAYS/YR	225	- From FY7 FHP
AVERAGE FLY/YR (Last 3 yrs)	230	- From FHP last three years
A-10 Cross Country Sorties Depart	111	- From Wing "Significant Events Schedule"
A-10 Cross Country Sorties Return	115	- From Wing "Significant Events Schedule"
Off station training sorties	165	- From Wing "Significant Events Schedule"
Demo Depart	64	- From Wing "Significant Events Schedule"
Demo Return	64	- From Wing "Significant Events Schedule"

Sheet 2 = A-10 Total Hours Computation

Less Conservative		
Oct 06	1072	
Nov	1222	
Dec	1009	
Jan 07	1149	
Feb	1014	
Mar	1148	
Apr	899	Average Apr/May/Jun 825
May	822	
Jun	754	
Jul	825	
Aug	825	
Sep	825	
Total	11564	

More Conservative		
Oct 06	1072	
Nov	1222	
Dec	1009	
Jan 07	1149	Average Jan/Feb/Mar 1104
Feb	1014	
Mar	1148	
Apr	899	
May	822	
Jun	754	
Jul	1104	
Aug	1104	
Sep	1104	
Total	12401	

Night sorties taken from Archive "Daily Schedule"

Sheet 3 = SNOWBIRD

Unit	From	To	Sorties			Hours	MDS	Remarks
162FW	15-Sep	15-Oct	1400			1625	F-16	AZ ANG
178FW	5-Nov	18-Nov	142				F-16	OH ANG Springfield
180FW	3-Dec	15-Dec	160			242.5	F-16	OH ANG Toledo
181 FW	7-Jan-07	20-Jan-07	136			170.5	F-16	IND ANG Ind
158FW	19-Jan	4-Feb	152			182.1	F-16	VT ANG
183 FW	5-Feb	16-Feb	90			137.4	F-16	ILL ANG Springfield
303 FS	18-Feb	2-Mar	166			305.3	A-10	Whiteman RES. MO
172FW	3-Mar	15-Mar	121			181.5	A-10	Battlecreek MI ANG
149FW	15-Apr	28-Apr	156			239.4	F-16	Texas ANG RTU
162FW	5-Jun	8-Jun	12			15.2	F-16	AATC live Fire
Angel Thunder	7-Jun	20-Jun					UH-1/HH-60	Tracked by T/A ??
RAF	25-Jul	20-Aug	180 *				Tornado	
TIA	21-Aug	30-Aug	52 *					
TIA	4-Sep	28-Sep	612 *					

* Estimated based on turn scheme and time on station

355th Fighter Wing (355 FW) - (354th Fighter Squadron [FS], 357 FS, and 358 FS)
Based A-10A Aircraft with TF34-GE-100 Engine

Number of Flying Days per Year 230

Runway Split		**Day/Night Split**	**Day**	**Night**
Rwy 12	80%	Split based on Annual Ops	95%	5%
Rwy 30	20%	Departures	95%	5%
		Arrivals	95%	5%
		Closed Patterns	100%	0%

Number of Aircraft

354 FS	18	Bulldogs - Operational FS
357 FS	24	Dragons - Training FS
358 FS	24	Lobos - Training FS
Total:	66	

Total Number of A-10 Sorties/Operational Breakdown

Sortie = 1 Departure and 1 Arrival

12373 = estimated # of A-10 Sorties per year (11564 actual + 7% [809] for attrition = 12373)

Closed Patterns

Operational Squadron

500 = estimated # of Closed Patterns per year conducted by Operational Squadron

Training Squadron

4 = # of Flight Training Phases/Classes per year
15 = # of pilots per Flight Training Phases/Classes
7 = # of rides per pilot
420 = # of rides per year
3 = # of patterns per ride
1260 = estimated # of Closed Patterns per year conducted by Training Squadron
1760 = estimated # of Closed Patterns per year

VFR Re-entry

1260 = estimated # of Closed Patterns per year conducted by Training Squadron
2 = estimated # of VFR Re-entries per Closed Pattern per year conducted by Training Squadron
2520 = estimated # of VFR Re-entries per year

Re-run (Radar Closed)

230 = # of flying days
1 = estimated # of Re-runs per flying day
230 = estimated # of VFR Re-entries per year

Departures

Profile	Track ID	Description	% Track Split	Day	Night	Total	
RWY 12							
		DME 3 to Tomb	16.50%	6.7460	0.3551	7.1010	
		Fairground	0.50%	0.2044	0.0108	0.2152	
		DME 3 to Reddy	1.25%	0.5111	0.0269	0.5380	
		DME 3 to Tubac	0.50%	0.2044	0.0108	0.2152	
		Kitt	80.00%	32.7078	1.7215	34.4292	
		Jackal	1.25%	0.5111	0.0269	0.5380	
			100.00%			43.0365	
RWY 30							
		DME 3 to Tomb	16.50%	1.6865	0.0888	1.7753	
		Fairground	0.50%	0.0511	0.0027	0.0538	
		DME 3 to Reddy	1.25%	0.1278	0.0067	0.1345	
		DME 3 to Tubac	0.50%	0.0511	0.0027	0.0538	
		Kitt	80.00%	8.1769	0.4304	8.6073	
		Jackal	1.25%	0.1278	0.0067	0.1345	
			100.00%			10.7591	12373
					Total	53.7957	12373

Arrivals

Profile	Track		% Track Split	Day	Night	Total	
RWY 12							
		Davez (1st Ship)	30.0%	12.2654	0.6455	12.9110	
		Davez (2nd Ship)	30.0%	12.2654	0.6455	12.9110	
		PAR	2.5%	1.0221	0.0538	1.0759	
		High TACAN	2.5%	1.0221	0.0538	1.0759	
		Hung	5.0%	2.0442	0.1076	2.1518	
		La Choya to overhead	25.0%	10.2212	0.5380	10.7591	
		Green Valley to overhead	5.0%	2.0442	0.1076	2.1518	
			100.0%			43.0365	
RWY 30							
		Davez (1st Ship)	30.0%	3.0664	0.1614	3.2277	
		Davez (2nd Ship)	30.0%	3.0664	0.1614	3.2277	
		PAR	2.5%	0.2555	0.0134	0.2690	
		High TACAN	2.5%	0.2555	0.0134	0.2690	
		Hung	5.0%	0.5111	0.0269	0.5380	
		La Choya to overhead	25.0%	2.5553	0.1345	2.6898	
		Green Valley to overhead	5.0%	0.5111	0.0269	0.5380	
			100.0%			10.7591	12373
					Total	53.7957	12373

Closed Pattern, Re-entry, and Re-runs

Profile	Track	% Track Split	Day	Night	Total	
RWY 12						
	Closed Pattern	100.0%	6.1217	0.0000	6.1217	
	VFR Re-entry to Courts*	100.0%	8.7652	0.0000	8.7652	
	Re-run to TACAN	10.0%	0.0800	0.0000	0.0800	
	Re-run to High TACAN	60.0%	0.4800	0.0000	0.4800	
	Re-run to PAR	10.0%	0.0800	0.0000	0.0800	
	Re-run Straight	20.0%	0.1600	0.0000	0.1600	
		100.0%			0.8000	
RWY 30						
	Closed Pattern	100.0%	1.5304	0.0000	1.5304	1760
				Total	7.6522	1760
	VFR Re-entry to Courts*	100.0%	2.1913	0.0000	2.1913	2520
				Total	10.9565	2520
	Re-run to TACAN	10.0%	0.0200	0.0000	0.0200	
	Re-run to High TACAN	60.0%	0.1200	0.0000	0.1200	
	Re-run to PAR	10.0%	0.0200	0.0000	0.0200	
	Re-run Straight	20.0%	0.0400	0.0000	0.0400	
		100.0%			0.2000	230
				Total	1.0000	230

563rd Rescue Group (563 RG) - (55th Rescue Squadron [RS], 79 RS)
Based HH-60 with ___ Engine and HC-130P/E with ___ Engine

Number of Flying Days per Year 192

Fly 4 days per week, 48 weeks per year = 192 flying days per year.

Runway Split		**Day/Night Split**	**Day**	**Night**
Rwy 09	100%	Split based on Annual Ops	87%	13%
Rwy 27	0%	Departures	100%	0%
Rwy 12H	80%	Arrivals	37.5%	62.5%
Rwy 30H	20%	Closed Patterns	100%	0%
		*75% of the arrivals land after 2200 hrs		

Number of Aircraft

55 RS 8 HH-60G "Pavehawk"

Total Number of HH-60 Sorties/Operational Breakdown

Sortie = 1 Departure and 1 Arrival

563 RG (55 RS) conducts a 2 turn 2 Mon-Thurs. Each sortie is 3.5 to 4 hrs.

4 sorties per flying day
4 flying days per week
48 weeks per year
768 average sorties per year
20% percentage lost to attrition
614.4 = estimated # of HH-60 Sorties per year

501 = FY 2007 actual sorties

Closed Patterns

2 sorties per week to Helo Training Area (HTA)
96 sorties per year to HTA
9 estimated closed patterns per HTA sortie (8-10 patterns per HTA sortie)
864 closed patterns at HTA

HH-60 Departures

Profile	Track ID	Description	% Track Split	Day	Night	Total	
RWY 09							
		A-Mtn	85.00%	2.2180	0.0000	2.2180	
		Gulf Links North	5.00%	0.1305	0.0000	0.1305	
		Gulf Links South	10.00%	0.2609	0.0000	0.2609	
		Tower to Tower	0.00%	0.0000	0.0000	0.0000	
			100.00%			2.6094	501
RWY 27							
		A-Mtn	85.00%	0.0000	0.0000	0.0000	
		Gulf Links North	5.00%	0.0000	0.0000	0.0000	
		Gulf Links South	10.00%	0.0000	0.0000	0.0000	
		Tower to Tower	0.00%	0.0000	0.0000	0.0000	
			100.00%			0.0000	0
					Total	2.6094	501

HH-60 Arrivals

Profile	Track ID	Description	% Track Split	Day	Night	Total	
RWY 09							
		A-Mtn	85.00%	0.8317	1.3862	2.2180	
		Gulf Links North	5.00%	0.0489	0.0815	0.1305	
		Gulf Links South	10.00%	0.0979	0.1631	0.2609	
		Tower to Tower	0.00%	0.0000	0.0000	0.0000	
			100.00%			2.6094	501
RWY 27							
		A-Mtn	85.00%	0.0000	0.0000	0.0000	
		Gulf Links North	5.00%	0.0000	0.0000	0.0000	
		Gulf Links South	10.00%	0.0000	0.0000	0.0000	
		Tower to Tower	0.00%	0.0000	0.0000	0.0000	
			100.00%			0.0000	0
					Total	2.6094	501

HH-60 Closed Patterns

Profile	Track ID	Description	% Track Split	Day	Night	Total	
RWY 09							
		Closed	50.00%	1.8000	0.0000	1.8000	
		Radar	50.00%	1.8000	0.0000	1.8000	
			100.00%			3.6000	691.2
RWY 27							
		Closed	50.00%	0.0000	0.0000	0.0000	
		Radar	50.00%	0.0000	0.0000	0.0000	
			100.00%			0.0000	0
					Total	3.6000	691.2

Number of Flying Days per Year 192

Fly 4 days per week, 48 weeks per year = 192 flying days per year.

Runway Split		**Day/Night Split**	**Day**	**Night**
Rwy 12	20%	Split based on Annual Ops	74%	26%
Rwy 30	80%	Departures	100%	0%
		Arrivals	74%	26%
		Closed Patterns	100%	0%

Number of Aircraft

79 RS 5 HC-130P/E "Hercules"

Total Number of HC-130 Sorties/Operational Breakdown

Sortie = 1 Departure and 1 Arrival

8	aircraft per day Mon-Thur are night sortie arrivals
2	aircraft per week are day sorties
10	number of sorties per week
48	weeks per year
480	average sorties per year
15%	percentage lost to attrition
408	= estimated # of HC-130 Sorties per year
395	**= FY 2007 actual sorties**

HC-130 Departures

Profile	Track ID	Description	% Track Split	Day	Night	Total	
RWY 12							
	12D04	VFR Reddy	56.00%	0.2304	0.0000	0.2304	
	12D011	VFR South	3.50%	0.0144	0.0000	0.0144	
	12D04	VFR North	10.50%	0.0432	0.0000	0.0432	
	12D011	DMA 3	25.00%	0.1029	0.0000	0.1029	
	12D06	Herk	5.00%	0.0206	0.0000	0.0206	
			100.00%			0.4115	
RWY 30							
	30D04	VFR Reddington	56.00%	0.9217	0.0000	0.9217	
	30D08	VFR South	3.50%	0.0576	0.0000	0.0576	
	30D10	VFR North	10.50%	0.1728	0.0000	0.1728	
	30D01	DMA 3	25.00%	0.4115	0.0000	0.4115	
	30D06	Herk	5.00%	0.0823	0.0000	0.0823	
			100.00%			1.6458	395
					Total	2.0573	395

HC-130 Arrivals

Profile	Track ID	Description	% Track Split	Day	Night	Total	
RWY 12							
	12A03A	VFR	51.00%	0.1553	0.0546	0.2098	
	12A03B	VFR overhead	9.00%	0.0274	0.0096	0.0370	
	12A03A	ILS/PAR	28.00%	0.0853	0.0300	0.1152	
	12A03A	TACAN	12.00%	0.0365	0.0128	0.0494	
			100.0%			0.4115	
RWY 30							
	30A04A	VFR	51.00%	0.6211	0.2182	0.8394	
	30A04C	VFR overhead	9.00%	0.1096	0.0385	0.1481	
	30A03A	ILS/PAR	28.00%	0.3410	0.1198	0.4608	
	30A04A	TACAN	12.00%	0.1462	0.0514	0.1975	
			100.0%			1.6458	395
					Total	2.0573	395

C-130 Arrival Track Split

60%	VFR	=	80-90%	SCA to Rw 30
			10-20%	VFR with overhead
40%	IFR	=	70%	ILS/PAR
			30%	TACAN

Closed Pattern

80% of sorties complete CP = 1.6458
Reentries 1 out of 4
PAR/TACAN 3/sortie
VFR Rectangle 3/sortie

Total

1 out 4 sorties: 2.0573 Daily Sorties
Random Steep 10%
Random Shallow to Runway 30 only 90%

HC-130 Closed Pattern, Random Steep, Random Shallow

943rd Rescue Group (943 RG)
Based HH-60 with ___ Engine

Number of Flying Days per Year 192

Fly 4 days per week, 48 weeks per year = 192 flying days per year

Runway Split		**Day/Night Split**	**Day**	**Night**
Rwy 09	100%	Split based on Annual Ops	87%	13%
Rwy 27	0%	Departures	100%	0%
Rwy 12H	80%	Arrivals	25.0%	75.0%
Rwy 30H	20%	Closed Patterns	100%	0%
		*75% of the arrivals land after 2200 hrs		

Number of Aircraft

943 RG 5 HH-60G "Pavehawk"

Total Number of HH-60 Sorties/Operational Breakdown

Sortie = 1 Departure and 1 Arrival

943 RG conducts a 1 turn 2 Mon, 0 turn 2 Tue-Wed, 1 turn 1 Thur. Each sortie is 3.5 to 4 hrs

7 average number of sorties per week
4 flying days per week
48 weeks per year
336 average sorties per year
20% percentage lost to attrition
268.8 = estimated # of HH-60 Sorties per year

268.8 = FY 2007 actual sorties are unknown. Use estimated value

Closed Patterns

1 sorties per week to Helo Training Area (HTA)
48 sorties per year to HTA
9 estimated closed patterns per HTA sortie (8-10 patterns per HTA sortie)
432 closed patterns at HTA

HH-60 Departures

Profile	Track ID	Description	% Track Split	Day	Night	Total	
RWY 09							
		A-Mtn	60.00%	0.8400	0.0000	0.8400	
		Gulf Links North	20.00%	0.2800	0.0000	0.2800	
		Gulf Links South	20.00%	0.2800	0.0000	0.2800	
		Tower to Tower	0.00%	0.0000	0.0000	0.0000	
			100.00%			1.4000	268.8
RWY 27							
		A-Mtn	60.00%	0.0000	0.0000	0.0000	
		Gulf Links North	20.00%	0.0000	0.0000	0.0000	
		Gulf Links South	20.00%	0.0000	0.0000	0.0000	
		Tower to Tower	0.00%	0.0000	0.0000	0.0000	
			100.00%			0.0000	0
					Total	1.4000	268.8

HH-60 Arrivals

Profile	Track ID	Description	% Track Split	Day	Night	Total	
RWY 09							
		A-Mtn	60.00%	0.2100	0.6300	0.8400	
		Gulf Links North	20.00%	0.0700	0.2100	0.2800	
		Gulf Links South	20.00%	0.0700	0.2100	0.2800	
		Tower to Tower	0.00%	0.0000	0.0000	0.0000	
			100.00%			1.4000	268.8
RWY 27							
		A-Mtn	60.00%	0.0000	0.0000	0.0000	
		Gulf Links North	20.00%	0.0000	0.0000	0.0000	
		Gulf Links South	20.00%	0.0000	0.0000	0.0000	
		Tower to Tower	0.00%	0.0000	0.0000	0.0000	
			100.00%			0.0000	0
					Total	1.4000	268.8

HH-60 Closed Patterns

Profile	Track ID	Description	% Track Split	Day	Night	Total	
RWY 09							
		Closed	50.00%	0.9000	0.0000	0.9000	
		Radar	50.00%	0.9000	0.0000	0.9000	
			100.00%			1.8000	345.6
RWY 27							
		Closed	50.00%	0.0000	0.0000	0.0000	
		Radar	50.00%	0.0000	0.0000	0.0000	
			100.00%			0.0000	0
					Total	1.8000	345.6

55 ECG
EC-130 with the T56-A-15 engine

14 PAA: 41st Squadron has 7 PAA
43st Squadron has 7 PAA

3 flights a day Mon - Thurs. + 2 flights on Fri. = approximately 14 sorties per week
260 Flying days per year
4 nightitme arrivals per week, 1 or 2 nighttime dept.

Annual Sortie Total	Day	Night	Total
EC-130 (55 ECG [41 & 43 ECS])	518	219	737
Daily Total Operations	3.9846	1.6846	5.6692
Arrivals	1.7115	1.1231	2.8346
Departures	2.2731	0.5615	2.8346

Runway Split		
	Rwy 12	80%
	Rwy 30	20%

Departures	
DME 3 ---Summer	60%
DME 3---Winter	100%

Departures Profile	Track		% Track Split	Day	Night	Total
RWY 12	12D01	DME 3	80.00%	1.4548	0.3593	1.8142
	12D06	Herk	20.00%	0.3637	0.0898	0.4535
			100.00%	1.8185	0.4492	2.2677
RWY 30	30D01	DME 3	80.00%	0.3637	0.0898	0.4535
	30D06	Herk	20.00%	0.0909	0.0225	0.1134
			100.00%	0.4546	0.1123	0.5669
					Total	2.8346

Arrival Profile	Track		% Track Split	Day	Night	Total
RWY 12	120A3A	TACAN	70.00%	0.9584	0.6290	1.5874
	12A03A	PAR/ILS	20.00%	0.2738	0.1797	0.4535
	12A03B	VFR with overhead	10.00%	0.1369	0.0899	0.2268
			100.00%	1.3692	0.8985	2.2677
RWY 30	30A04A	TACAN	70.00%	0.2396	0.1572	0.3968
	30A03A	PAR/ILS	20.00%	0.0685	0.0449	0.1134
	30A04B	VFR with overhead	10.00%	0.0342	0.0225	0.0567
			100.00%	0.3423	0.2246	0.5669
					Total	2.8346

Closed Pattern

70% of daily arrivals do CP = 1.984231

Each CP sortie completes:

2 PAR/TACAN approaches

4-5 VFR approaches

Reentry less than 1 out of every 4 | Total 14.38567

Closed Pattern

Profile	Track		Day	Night	Total
RWY 12					
Arrivals on RWY 12 that complete Closed Patterns			1.5874	0.0000	
	12C04	PAR/TACAN	3.1748	0.0000	3.1748
	12C07	VFR	7.9369	0.0000	7.9369
	12C08	Re-entry	0.3968	0.0000	0.3968
					11.5085
RWY 30					
Arrivals on RWY 30 that complete Closed Patterns			0.3968	0.0000	
	30C03	PAR/TACAN	0.7937	0.0000	0.7937
	30C09	VFR	1.9842	0.0000	1.9842
	30C05	Re-entry	0.0992	0.0000	0.0992
					2.8771
				Total	14.3857

162nd Fighter Wing (Alert Missions)

[redacted]

3 based F-16 C with PW 220 engine
2 flights per mission and 4 sorties per week = 8 sorties per week
16 operations per week
Assume 2 flying days per week, 104 flying days per year
8 operations per day

Departure Runway Split

Rwy 12	10%	AB Dept	90%
Rwy 30	90%	Mil Dept	10%

Departures

Profile	Track		% Track Split	Day	Night	Total
RWY 12			**10%**	**0.4000**		
	12D02	Tombstone East Mil power	3.33%	0.0133	0.0000	0.0133
	12D02	Tombstone East AB	30.00%	0.1200	0.0000	0.1200
	12D08	Sells West Mil power	3.33%	0.0133	0.0000	0.0133
	12D08	Sells West AB	30.00%	0.1200	0.0000	0.1200
	12D05	Rubby Mil power	3.33%	0.0133	0.0000	0.0133
	12D05	Rubby AB	30.00%	0.1200	0.0000	0.1200
			100.00%	0.4000	0.0000	0.4000
RWY 30			**90%**	**3.6000**		
	30D02	Tombstone Mil power	3.33%	0.1200	0.0000	0.1200
	30D02	Tombstone AB	30.00%	1.0800	0.0000	1.0800
	30D07	Sells Mil power	3.33%	0.1200	0.0000	0.1200
	30D07	Sells AB	30.00%	1.0800	0.0000	1.0800
	30D04	Jackal Mil power	3.33%	0.1200	0.0000	0.1200
	30D04	Jackal AB	30.00%	1.0800	0.0000	1.0800
			100.00%	3.6000	0.0000	3.6000
					Total	**4.0000**

Arrival Runway Split

Rwy 12	75%
Rwy 30	25%

Arrivals

Profile	Track		% Track Split	Day	Night	Total
RWY 12			**75%**	**3.0000**		
	12A03C	Overhead	67.00%	2.0100	0.0000	2.0100
	12A03A	ILS	32.67%	0.9801	0.0000	0.9801
	12A03A	High ILS	0.33%	0.0099	0.0000	0.0099
			100.00%	3.0000	0.0000	3.0000
			25%	**1.0000**		
RWY 30	30A03C	Overhead	67.00%	0.6700	0.0000	0.6700
	30A03A	ILS	32.67%	0.3267	0.0000	0.3267
	30A03A	High ILS	0.33%	0.0033		0.0033
			100.00%	1.0000	0.0000	1.0000
					Total	**4.0000**

US Customs and Border Protection

Number of aircraft assigned:

Fixed	3 Citation 550
helo	4 UH-60
helo	8 AS-350 A-stars
Fixed	2 Cessna 210 (transient)

17 Helo sorties per day =	34	operations per day
2 Fixed wing sorties per day with C-550 =	4	operations per day

Cessna 210--transient, about 1 aircraft per week
Fly 365 days per yer

Assume Runway Split

Rwy 12	80%
Rwy 30	20%

No fixed wing night ops.

Citation 550 Departures

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12D11	VFR	90.00%	1.4400	0.0000	1.4400
	12D10	IFR	10.00%	0.1600	0.0000	0.1600
			100.00%			1.6000
RWY 30	30D10	VFR	90.00%	0.3600	0.0000	0.3600
	30D09	IFR	10.00%	0.0400	0.0000	0.0400
			100.00%			0.4000
					Total	2.0000

Citation 550 Arrivals and Closed Patterns

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12A03A	Straight-in	100.00%	1.6000	0.0000	1.6000
	12C02	Closed Pattern		0.0800		
RWY 30	30A04A	Straight-in	100.00%	0.4000	0.0000	0.4000
	30C02	Closed Pattern		0.0200		
Fixed Wing CP about 8-12% of the time.					Total	2.0000

Cessna 210 Departure

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12D11	VFR	100.00%	0.2000	0.0000	0.2000

Cessna 210 Arrival

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12D03A	Straight-in	100.00%	0.2000	0.0000	0.2000

Helo

Daytime Operations:	67%
Nightime Operations:	33%

UH-60 Departures

Profile	Track		% Track Split	Day	Night	Total
	27D01	A-Mtn	75.00%	2.8340	1.4172	4.2513
	09D01	Gulf Links--NW for Maintenance	2.50%	0.0945	0.0472	0.1417

UH-60 Arrivals

Profile	Track		% Track Split	Day	Night	Total
	09A02	From South over Tucson to Delta Taxi	90.00%	3.4009	1.7007	5.1015
	09A01	A-Mtn	10.00%	0.3779	0.1890	0.5668

09D02	Gulf Links--S for Mission patrols	22.50%	0.8502	0.4252	1.2754			100.00%		5.6684
		100.00%			5.6684					
							Closed Pattern around SE tower		0.1134	

AS-350 Departures

Profile	Track		% Track Split	Day	Night	Total
	27D01	A-Mtn	75.00%	5.6672	2.8340	8.5013
	09D01	Gulf Links--NW for Maintenance	2.50%	0.1889	0.0945	0.2834
	09D02	Gulf Links--S for Mission patrols	22.50%	1.7002	0.8502	2.5504
			100.00%			11.3350

AS-350 Arrivals

Profile	Track		% Track Split	Day	Night	Total
	09A02	From South over Tucson to Delta Taxi	90.00%	6.8007	3.4009	10.2015
	09A01	A-Mtn	10.00%	0.7556	0.3779	1.1335
			100.00%			11.3350
		Closed Pattern around SE tower		0.2267		

Test Flights

Daytime only

09D01 Gulf Links--North

		Daily Operations
UH-60	2-3 flights per day + 1 flight per week	3.2
AS-350	6 flights per week	1.2

AMARG
A-10, F-4, F-16, P-3, C-130

	Annual Ops	Daily Ops
A-10	60	0.2609
F-4	138	0.6000
P-3	62	0.2696
F-16	34	0.1478
C-130	4	0.0174

Assume 230 flying days per year

A-10 Runway Split

Rwy 12	80%
Rwy 30	20%

A-10 Departures

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12D02	Tomb-West	95.00%	0.0991	0.0000	0.0991
	12D05	Rubby/Fuzzy	5.00%	0.0052	0.0000	0.0052
			100.00%			0.1043
RWY 30	30D02	Tomb-West	95.00%	0.0248	0.0000	0.0248
	30D05	Rubby/Fuzzy	5.00%	0.0013	0.0000	0.0013
						0.0261
					Total	0.1304

A-10 Total Arrivals and Departures 0.2609

F-4 Runway Split

Rwy 12	80%
Rwy 30	20%

F-4 Departures

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12D02	Tomb-West w/ AB	100.00%	0.2400	0.0000	0.2400
RWY 30	30D02	Tomb-West w/ AB	100.00%	0.0600	0.0000	0.0600
					Total	0.3000

F-4 Total Arrivals and Departures 0.6000

A-10 Arrivals

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12A03C	Overhead arrival	100.00%	0.1043	0.0000	0.1043
RWY 30	30A04B	Overhead arrival	100.00%	0.0261	0.0000	0.0261
					Total	0.1304

Each F-4 arrival:
1 TACAN Straight
2 Overhead
2 Courts/Pitts Re-entry

F-4 Arrivals and Closed Patterns

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12A03C	TACAN w/ overhead		0.2400	0.0000	0.2400
	12C09	Overhead		0.2400	0.0000	0.2400
	12C03	Courts/Pitts Re-entry		0.4800	0.0000	0.4800
RWY 30	30A04B	TACAN w/ overhead		0.0600	0.0000	0.0600
	30C10	Overhead		0.0600	0.0000	0.0600
	30C04	Courts/Pitts Re-entry		0.1200	0.0000	0.1200
					Total	0.5400

P-3 Runway Split

Rwy 12	80%
Rwy 30	20%

P-3 Departures

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12D02	Tomb-West	100.00%	0.1078	0.0000	0.1078
RWY 30	30D02		100.00%	0.0270	0.0000	0.0270

P-3 Total Arrivals and Departures 0.2696

F-16 Runway Split

Rwy 12	80%
Rwy 30	20%

F-16 Departures

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12D02	Tomb-West w/ AB	100.00%	0.0591	0.0000	0.0591
RWY 30	30D02		100.0%	0.0148		0.0148

F-16 Total Arrivals and Departures 0.1478

C-130 Runway Split

Rwy 12	80%
Rwy 30	20%

C-130 Departures

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12D02	Tomb-West w/ AB	100.00%	0.0070	0.0000	0.0070
RWY 30	30D02		100.0%	0.0017		0.0017

F-16 Total Arrivals and Departures 0.0174

P-3 Arrivals and Closed Patterns

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12A03A	Straight-in	100.00%	0.1078	0.0000	0.1078
		Radar Closed Pattern		0.2157		
RWY 30	30A03A	Straight-in	100.00%	0.0270	0.0000	0.0270

Snowbird
F-16, F-15, GR-4, A-10 Aircraft
[redacted]

Snowbird Annual Sortie Total

	Total	Day	Night	Day %	Night %
Annual A-10 Sorties	287	287	0	100%	0%
Daily A-10 Operations	19.1333	19.1333			
Annual F-16 Sorties	2912	2912	0	100%	0%
Daily F-16 Operations	58.2400	58.2400			
Annual F-15 Sorties	24	24	0	100%	0%
Daily F-15 Operations	2.4000	2.4000			
Annual GR-4 Sorties	180	180	0	100%	0%
Daily GR-4 Operations	24.0000	24.0000			

A-10
3 squadrons fly 2 weeks each
10 x 10
20 sorties x 10 days x 3 sq. = 600 sorties and 30 flying days per year

F-15
15 aircraft
6 x 6 for 2 weeks
8 x 8 for 2 weeks
2x per year
20 flying days per year

F-16
PW-220/GE 100
10 x 10: Ave 20 sorties a day for 2 weeks
200 sorties per unit
8 - 10 units per year
20 sorties a day x 10 days x 10 units =
2,000 sorties and 100 flying days per year

GR-4
8 aircraft
Fly 3 weeks per year
6 x 6
12 sorties x 15 days = 180 sorties and 15 flying days per year

Snowbird Runway Split

Rwy 12	80%
Rwy 30	20%

A-10 Departures

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12D02	Tombstone	15.00%	1.1480	0.0000	1.1480
	12D04	Reddy	5.00%	0.3827	0.0000	0.3827
	12D05	Tubac	5.00%	0.3827	0.0000	0.3827
	12D07	Kitt	70.00%	5.3573	0.0000	5.3573
	12D04	Jackal	5.00%	0.3827	0.0000	0.3827
			100.00%			7.6533
RWY 30	30D02	Tombstone	13.50%	0.2583	0.0000	0.2583
	30D04	Reddy	4.50%	0.0861	0.0000	0.0861
	30D05	Tubac	4.50%	0.0861	0.0000	0.0861
	30D07	Kitt	63.00%	1.2054	0.0000	1.2054
	30D04	Jackal	4.50%	0.0861	0.0000	0.0861
	30D07	Sells	10.00%	0.1913	0.0000	0.1913
			100.00%			1.9133
					Total	9.5667

*AB Dept for F-16, F-15, and GR-4 is 35%. AB to airfield boundary.

A-10 Arrivals

Profile	Track		% Track Sp Day	Night	Total
RWY 12	12A01	Davez 1st ship	38.5%	2.9465	0.0000	2.9465
	12A01A	Davez 2nd ship	38.5%	2.9465	0.0000	2.9465
	12A03A	TACAN Initial	20.0%	1.5307	0.0000	1.5307
	12A04	Hung	3.0%	0.2296	0.0000	0.2296
			100.0%			7.6533
RWY 30	30A01	Davez	97.0%	1.8559	0.0000	1.8559
	30A05	Hung	3.0%	0.0574	0.0000	0.0574
			100.0%			1.9133
					Total	9.5667

F-16 Departures

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12D04	Reddy	5.00%	0.7571	0.0000	0.7571
	12D04	Reddy w/ AB		0.4077		0.4077
	12D05	Tubac	5.00%	0.7571	0.0000	0.7571
	12D05	Tubac w/ AB		0.4077		0.4077
	12D04	Jackal	5.00%	0.7571	0.0000	0.7571
	12D04	Jackal w/ AB		0.4077		0.4077
	12D07	Sells	85.00%	12.8710	0.0000	12.8710
	12D07	Sells w/ AB		6.9306		6.9306
			100.00%			23.2960
RWY 30	30D04	Reddy	5.00%	0.1893	0.0000	0.1893
	30D04	Reddy w/ AB		0.1019	0.0000	0.1019
	30D05	Tubac	5.00%	0.1893	0.0000	0.1893
	30D05	Tubac w/ AB		0.1019	0.0000	0.1019
	30D04	Jackal	5.00%	0.1893	0.0000	0.1893
	30D04	Jackal w/ AB		0.1019	0.0000	0.1019
	30D07	Sells	85.00%	3.2178	0.0000	3.2178
	30D07	Sells w/ AB		1.7326	0.0000	1.7326
			100.00%			5.8240
					Total	29.1200

F-16 Arrivals

Profile	Track		% Track Sp Day	Night	Total
RWY 12	12A01	Davez 1st ship	38.5%	8.9690	0.0000	8.9690
	12A01A	Davez 2nd ship	38.5%	8.9690	0.0000	8.9690
	12A03A	TACAN Initial	20.0%	4.6592	0.0000	4.6592
	12A04	Hung	3.0%	0.6989	0.0000	0.6989
			100.0%			23.2960
RWY 30	30A01	Davez	97.0%	5.6493	0.0000	5.6493
	30A05	Hung	3.0%	0.1747	0.0000	0.1747
			100.0%			5.8240
					Total	29.1200

F-15 Departures

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12D04	Reddy	5.00%	0.0312	0.0000	0.0312
	12D04	Reddy w/ AB		0.0168	0.0000	0.0168
	12D05	Tubac	5.00%	0.0312	0.0000	0.0312
	12D05	Tubac w/ AB		0.0168	0.0000	0.0168
	12D04	Jackal	5.00%	0.0312	0.0000	0.0312
	12D04	Jackal w/ AB		0.0168	0.0000	0.0168
	12D07	Sells	85.00%	0.5304	0.0000	0.5304
	12D07	Sells w/ AB		0.2856	0.0000	0.2856
			100.00%			0.9600
RWY 30	30D04	Reddy	5.00%	0.0078	0.0000	0.0078
	30D04	Reddy w/ AB		0.0042	0.0000	0.0042
	30D05	Tubac	5.00%	0.0078	0.0000	0.0078
	30D05	Tubac w/ AB		0.0042	0.0000	0.0042
	30D04	Jackal	5.00%	0.0078	0.0000	0.0078
	30D04	Jackal w/ AB		0.0042	0.0000	0.0042
	30D07	Sells	85.00%	0.1326	0.0000	0.1326
	30D07	Sells w/ AB		0.0714	0.0000	0.0714
			100.00%			0.2400
					Total	1.2000

F-15 Arrivals

Profile	Track		% Track Sp Day		Night	Total
RWY 12	12A01	Davez 1st ship	38.5%	0.3696	0.0000	0.3696
	12A01A	Davez 2nd ship	38.5%	0.3696	0.0000	0.3696
	12A03A	TACAN Initial	20.0%	0.1920	0.0000	0.1920
	12A04	Hung	3.0%	0.0288	0.0000	0.0288
			100.0%			0.9600
RWY 30	30A01	Davez	97.0%	0.2328	0.0000	0.2328
	30A05	Hung	3.0%	0.0072	0.0000	0.0072
			100.0%			0.2400
					Total	1.2000

GR-4 Departures

Profile	Track		% Track Split	Day	Night	Total
RWY 12	12D04	Reddy	5.00%	0.3120	0.0000	0.3120
	12D04	Reddy w/ AB		0.1680	0.0000	0.1680
	12D05	Tubac	5.00%	0.3120	0.0000	0.3120
	12D05	Tubac w/ AB		0.1680	0.0000	0.1680
	12D04	Jackal	5.00%	0.3120	0.0000	0.3120
	12D04	Jackal w/ AB		0.1680	0.0000	0.1680
	12D07	Sells	85.00%	5.3040	0.0000	5.3040
	12D07	Sells w/ AB		2.8560	0.0000	2.8560
			100.00%			9.6000
RWY 30	30D04	Reddy	5.00%	0.0780	0.0000	0.0780
	30D04	Reddy w/ AB		0.0420	0.0000	0.0420
	30D05	Tubac	5.00%	0.0780	0.0000	0.0780
	30D05	Tubac w/ AB		0.0420	0.0000	0.0420
	30D04	Jackal	5.00%	0.0780	0.0000	0.0780
	30D04	Jackal w/ AB		0.0420	0.0000	0.0420
	30D07	Sells	85.00%	1.3260	0.0000	1.3260
	30D07	Sells w/ AB		0.7140	0.0000	0.7140
			100.00%			2.4000
					Total	12.0000

GR-4 Arrivals

Profile	Track		% Track Sp Day		Night	Total
RWY 12	12A01	Davez 1st ship	38.5%	3.6960	0.0000	3.6960
	12A01A	Davez 2nd ship	38.5%	3.6960	0.0000	3.6960
	12A03A	TACAN Initial	20.0%	1.9200	0.0000	1.9200
	12A04	Hung	3.0%	0.2880	0.0000	0.2880
			100.0%			9.6000
RWY 30	30A01	Davez	97.0%	2.3280	0.0000	2.3280
	30A05	Hung	3.0%	0.0720	0.0000	0.0720
			100.0%			2.4000
					Total	12.0000

Davis-Monthan AFB Flight Tracks

Departures			355 FW	162 FW	Snowbird				AMARG					55 ECG	563	943	CBP	
Runway	Track ID	Track			A-10	F-16	F-15	FR-4	A-10	F-4	F-16	P-3	C-130				fixed wing	helo
Non-		VFR	n	n	n	n	n	n	n	n	n	n	no data	n	n	n	*YES*	n
Runway		IFR	n	n	n	n	n	n	n	n	n	n	no data	n	n	n	*YES*	n
Specific		A-Mtn	n	n	n	n	n	n	n	n	n	n	no data	n	*YES*	*YES*	n	*YES*
		Gulf Links North	n	n	n	n	n	n	n	n	n	n	no data	n	*YES*	*YES*	n	n
		Gulf Links South	n	n	n	n	n	n	n	n	n	n	no data	n	*YES*	*YES*	n	n
		Gulf Links--NW for Maintenance	n	n	n	n	n	n	n	n	n	n	no data	n	n	n	n	*YES*
		Gulf Links--S for Mission patrols	n	n	n	n	n	n	n	n	n	n	no data	n	n	n	n	*YES*
RWY 12											YES							
	1	DMA 3	n	n	n	n	n	n	n	n	no	n	no data	*YES*	n	n	n	n
	2	DMA 3 to Tomb	*YES*	n	*YES*	*YES*	*YES*	*YES*	n	n	track	n	no data	n	n	n	n	n
	3	Fairground	*YES*	n	n	n	n	n	n	n	specified	n	no data	n	n	n	n	n
	4	DMA 3 to Reddy	*YES*	n	*YES*	*YES*	*YES*	*YES*	n	n		n	no data	n	n	n	n	n
	5	DMA 3 to Tubac	*YES*	n	*YES*	*YES*	*YES*	*YES*	n	n	no	n	no data	n	n	n	n	n
	6	Kitt	*YES*	n	*YES*	*YES*	*YES*	*YES*	n	n	track	n	no data	n	n	n	n	n
	7	Jackal	*YES*	n	*YES*	*YES*	*YES*	*YES*	n	n	specified	n	no data	n	n	n	n	n
	8	Pistol (Sells)	n	n	n	*YES*	*YES*	*YES*	n	n	no	n	no data	n	n	n	n	n
	9	DMA 3 to West	n	*YES*	n	n	n	n	n	n	track	n	no data	n	n	n	n	n
	10	DMA 3 to East	n	*YES*	n	n	n	n	n	n	specified	n	no data	n	n	n	n	n
	11	DMA 3 to Northwest	n	*YES*	n	n	n	n	n	n		n	no data	n	n	n	n	n
	12	Tomb-West	n	n	n	n	n	n	*YES*	n	no	n	no data	n	n	n	n	n
	13	Rubby/Fuzzy	n	n	n	n	n	n	*YES*	n	track	n	no data	n	n	n	n	n
	14	Tomb-West	n	n	n	n	n	n	n	n	specified	*YES*	no data	n	n	n	n	n
	15	Tomb-West w/ AB	n	n	n	n	n	n	n	*YES*		n	no data	n	n	n	n	n
	16	Herk	n	n	n	n	n	n	n	n		n	no data	*YES*	n	n	n	n
	17	VFR	n	n	n	n	n	n	n	n		n	no data	*YES*	n	n	n	n
RWY 30											YES							
	1	DMA 3									no	n	no data	*YES*	n	n	n	n
	2	DMA 3 to Tomb	*YES*	n	*YES*	*YES*	*YES*	*YES*	n	n	track	n	no data	n	n	n	n	n
	3	Fairground	*YES*	n	n	n	n	n	n	n	specified	n	no data	n	n	n	n	n
	4	DMA 3 to Reddy	*YES*	n	*YES*	*YES*	*YES*	*YES*	n	n		n	no data	n	n	n	n	n
	5	DMA 3 to Tubac	*YES*	n	*YES*	*YES*	*YES*	*YES*	n	nn	no	n	no data	n	n	n	n	n
	6	Kitt	*YES*	n	*YES*	*YES*	*YES*	*YES*	n	n	track	n	no data	n	n	n	n	n
	7	Jackal	*YES*	n	*YES*	*YES*	*YES*	*YES*	n	n	specified	n	no data	n	n	n	n	n
	8	Pistol (Sells)	n	n	*YES*	*YES*	*YES*	*YES*	n	n		n	no data	n	n	n	n	n
	9	DMA 3 to West	n	*YES*	n	n	n	n	n	n	no	n	no data	n	n	n	n	n
	10	DMA 3 to East	n	*YES*	n	n	n	n	n	n	track	n	no data	n	n	n	n	n
	11	DMA 3 to Northwest	n	*YES*	n	n	n	n	n	n	specified	n	no data	n	n	n	n	n
	12	Tomb-West	n	n	n	n	n	n	n	n		*YES*	no data	n	n	n	n	n
	13	Tomb-West	n	n	n	n	n	n	*YES*	n	no	n	no data	n	n	n	n	n
	14	Rubby/Fuzzy	n	n	n	n	n	n	*YES*	n	track	n	no data	n	n	n	n	n
	15	Tomb-West w/ AB	n	n	n	n	n	n	n	*YES*	specified	n	no data	n	n	n	n	n
	16	Herk	n	n	n	n	n	n	n	n		n	no data	*YES*	n	n	n	n
	17	VFR	n	n	n	n	n	n	n	n		n	no data	*YES*	n	n	n	n

Arrivals			355 FW	162 FW	Snowbird				AMARG					55 ECG	563	943	CBP	
Runway	Track ID	Track			A-10	F-16	F-15	FR-4	A-10	F-4	F-16	P-3	C-130				fixed wing	helo
Non-		A-Mtn	n	n	n	n	n	n	n	n	n	n	no data	n	n	n	no data	YES
Runway		A-Mtn: IFR	n	n	n	n	n	n	n	n	n	n	no data	n	*YES*	*YES*	no data	n
Specific		A-Mtn: VFR	n	n	n	n	n	n	n	n	n	n	no data	n	*YES*	*YES*	no data	n
		Gulf Links North: IFR	n	n	n	n	n	n	n	n	n	n	no data	n	*YES*	n	no data	n
		Gulf Links North: VFR	n	n	n	n	n	n	n	n	n	n	no data	n	*YES*	*YES*	no data	n
		Gulf Links South: IFR	n	n	n	n	n	n	n	n	n	n	no data	n	*YES*	n	no data	n
		Gulf Links South: VFR	n	n	n	n	n	n	n	n	n	n	no data	n	*YES*	*YES*	no data	n
		IFR to 12 or 30	n	n	n	n	n	n	n	n	n	n	no data	n	*YES*	*YES*	no data	n
		From South over Tucson to Delta Taxi	n	n	n	n	n	n	n	n	n	n	no data	n	n	n	no data	YES
RWY 12											YES							
	1	Green Valley to overhead	*YES*	n	n	n	n	n	n	n	no	n	no data	n	n	n	n	n
	2	Davez	*YES*	n	n	n	n	n	n	n	track	n	no data	n	n	n	n	n
	3	La Choya to overhead	*YES*	n	n	n	n	n	n	n	specified	n	no data	n	n	n	n	n
	4	PAR	*YES*	n	n	n	n	n	n	n	no	n	no data	n	n	n	n	n
	5	High TACAN	*YES*	n	n	n	n	n	n	n	track	n	no data	n	n	n	n	n
	6	Overhead	n	*YES*	n	n	n	n	n	n	specified	n	no data	n	n	n	n	n
	7	ILS	n	*YES*	n	n	n	n	n	n		n	no data	n	n	n	n	n
	8	High ILS	n	*YES*	n	n	n	n	n	n	no	n	no data	n	n	n	n	n
	9	Davez to Courts (VFR to Initial)	n	n	*YES*	n	n	n	n	n	track	n	no data	n	n	n	n	n
	10	Hung	*YES*	n	*YES*	n	n	n	n	n		n	no data	n	n	n	n	n
	11	VFR to Pitchout	n	n	n	n	n	n	*YES*	*YES*	no	n	no data	n	n	n	n	n
	12	VFR Straight	n	n	n	n	n	n	n	*YES*	track	*YES*	no data	n	n	n	n	n
	13	TACAN	n	n	n	n	n	n	n	n	specified	n	no data	*YES*	n	n	n	n
	14	PAR/ILS	n	n	n	n	n	n	n	n		n	no data	*YES*	n	n	n	n
	15	VFR with overhead	n	n	n	n	n	n	n	n		n	no data	*YES*	n	n	n	n
	16	TACAN Initial	n	n	*YES*	n	n	n	n	n		n	no data	n	n	n	n	n
	17	12A01A (no name)	n	n	*YES*	n	n	n	n	n	specified	n	no data	n	n	n	n	n
RWY 30											YES							
	1	Green Valley to overhead	*YES*	n	n	n	n	n	n	n	no	n	no data	n	n	n	n	n
	2	Davez	*YES*	n	n	n	n	n	n	n	track	n	no data	n	n	n	n	n
	3	La Choya to overhead	*YES*	n	n	n	n	n	n	n	specified	n	no data	n	n	n	n	n
	4	PAR	*YES*	n	n	n	n	n	n	n		n	no data	n	n	n	n	n
	5	High TACAN	*YES*	n	n	n	n	n	n	n	no	n	no data	n	n	n	n	n
	6	Overhead	n	*YES*	n	n	n	n	n	n	track	n	no data	n	n	n	n	n
	7	ILS	n	*YES*	n	n	n	n	n	n	specified	n	no data	n	n	n	n	n
	8	High ILS	n	*YES*	n	n	n	n	n	n		n	no data	n	n	n	n	n
	9	Davez	n	n	*YES*	n	n	n	n	n	no	n	no data	n	n	n	n	n
	10	Hung	n	n	*YES*	n	n	n	n	n	track	n	no data	n	n	n	n	n
	11	VFR to Pitchout	n	n	n	n	n	n	*YES*	*YES*	specified	n	no data	n	n	n	n	n
	12	VFR Straight	n	n	n	n	n	n	n	*YES*		*YES*	no data	n	n	n	n	n
	13	TACAN	n	n	n	n	n	n	n	n	no	n	no data	*YES*	n	n	n	n
	14	PAR/ILS	n	n	n	n	n	n	n	n	track	n	no data	*YES*	n	n	n	n
	15	VFR with overhead	n	n	n	n	n	n	n	n	specified	n	no data	*YES*	n	n	n	n

Closed Pattern, Re-entry, and Re-runs			355 FW	162 FW	Snowbird				AMARG					55 ECG	563	943	CBP	
Runway	Track ID	Track			A-10	F-16	F-15	FR-4	A-10	F-4	F-16	P-3	C-130				fixed wing	helo
RWY 12																		
		Closed patterns	*YES*		Data incomplete				Data incomplete					Data incomplete			Data incomplete	
		VFR Re-entry to Courts*	*YES*															
		Re-run to TACAN	*YES*		Data incomplete				Data incomplete					Data incomplete			Data incomplete	
		Re-run to High TACAN	*YES*															
		Re-run to PAR	*YES*		Data incomplete				Data incomplete					Data incomplete			Data incomplete	
		Re-run Straight	*YES*															
		*Courts has new track name																
RWY 30																		
		Closed patterns	*YES*		Data incomplete				Data incomplete					Data incomplete			Data incomplete	
		VFR Re-entry	*YES*															
		Re-run to TACAN	*YES*		Data incomplete				Data incomplete					Data incomplete			Data incomplete	
		Re-run to High TACAN	*YES*															
		Re-run to PAR	*YES*		Data incomplete				Data incomplete					Data incomplete			Data incomplete	
		Re-run Straight	*YES*															

355 MXG
Scheduled Runs 440 in CY07
86% daytime, 14% nighttime
Unscheduled runs 61% of maintenance. Scheduled runs 39% of maintenance

Total Engine run locations		**Scheduled run locations**		**Unscheduled run locations**	
A-10 Ramp	72%	A-10 Ramp	100%	A-10 Ramp	28.21%
West Ramp	5%			West Ramp	12.82%
Trim Pad 2	5%			Trim Pad 2	12.82%
Trim Pad 3	18%			Trim Pad 3	46.15%
	100%				100%

Maintenance/Location		**Power Setting**	**Duration (Seconds)**	**Day**	**Night**	**# Engines**	**Notes**
Unscheduled Runs at A-10 Ramp (61% of total runs)		Idle	900	1.0133	0.1650	1	
Unscheduled runs							
Vibe Run							
	Total	Idle	480	0.1533	0.0250		
		Up to Max	420	0.1533	0.0250		
Vibe Run Locations							
	A-10 Ramp			0.0432	0.0070		
	West Ramp			0.0197	0.0032		
	Trim Pad 2			0.0197	0.0032		
	Trim Pad 3			0.0708	0.0115		
	Total			0.1533	0.0250		
Trim Check							
		Idle	1260	0.0823	0.0134	2	
	Total	70%	30	0.0823	0.0134	2	
		Max	300	0.0823	0.0134	2	
Trim Check Locations							
	A-10 Ramp			0.0232	0.0038		
	West Ramp			0.0105	0.0017		
	Trim Pad 2			0.0105	0.0017		
	Trim Pad 3			0.0380	0.0062		
	Total			0.0823	0.0134		
Water Wash							
	Total	Idle	720	0.1122	0.0183	2	
		80%	120	0.1122	0.0183	2	
Water Wash Locations							
	A-10 Ramp			0.0316	0.0052		
	West Ramp			0.0144	0.0023		
	Trim Pad 2			0.0144	0.0023		
	Trim Pad 3			0.0518	0.0084		
	Total			0.1122	0.0183		
Green Run							
		Idle	1260	0.0449	0.0073		
	Total	70%	30	0.0449	0.0073		
		Max	300	0.0449	0.0073		
Green Run Locations							
	A-10 Ramp			0.0127	0.0021		
	West Ramp			0.0058	0.0009		
	Trim Pad 2			0.0058	0.0009		
	Trim Pad 3			0.0207	0.0034		
	Total			0.0449	0.0073		
Consumption Run							
	Total	See baseops file--45 min		0.0150	0.0024		
Consumption Run Locations							
	A-10 Ramp			0.0042	0.0007		
	West Ramp			0.0019	0.0003		
	Trim Pad 2			0.0019	0.0003		
	Trim Pad 3			0.0069	0.0011		
	Total			0.0150	0.0024		
Initial/Certification Run							
	Total	See baseops file--30 min		0.0935	0.0152		
Initial Run Locations							
	A-10 Ramp			0.0264	0.0043		
	West Ramp			0.0120	0.0020		
	Trim Pad 2			0.0120	0.0020		
	Trim Pad 3			0.0431	0.0070		
	Total			0.0935	0.0152		
Hot/FCF Preflight Run							
	Total	See baseops file		0.1309	0.0213		
Hot/FCF Preflight Run Locations		Flyout Check--30-45 min.					
	A-10 Ramp			0.0369	0.0060		
	West Ramp			0.0168	0.0027		
	Trim Pad 2			0.0168	0.0027		
	Trim Pad 3			0.0604	0.0098		
	Total			0.1309	0.0213		

563 and 943 RG
HH-60
Spots on ramp close to buildings
Most runs at Ground Idle speed
563 RG: 75-80 engine runs per year
563 RG: Night runs - approximately 18%

943 RG: No night runs
Approximately 269 sorties per year, each sortie is ~ 4 hours. = 1,076 hours per year.
One engine wash every 50 flight hours = ~22 engine washes per year. Assume 260 working days per year.

Location/Maintenance Type	Power Setting	Duration (Seconds)	Day	Night	# Engines	Notes
563 MXS HH-60						
563 Ramp	Idle (62-68% NG)	420	0.2523	0.0554	2	No MXS runs above ground idle.
943 MXS HH-60						
943 Ramp (Engine Wash)	Idle (62-68% NG)	300	0.0846	0		1 per 50 flight hours, 5 minutes per engine
563 RG HC-130 Maintenance						
Run-ups/Ramp			5.7808			3 runs per sortie. 501 sorties per year.
80% nightime ops						
Engine and Prop Change	See Baseops file		0.0031	0.0123	4	
Prop	See Baseops file		0.0046	0.0185	2	
55 MXS EC-130						
Run-ups			5.9769			Assume 3 runs per sortie, 518 sorties per year
Engine and Prop Change	See Baseops file		0.0154		4	
Prop	See Baseops file		0.0231		2	

162 FW
3 F-16 C with PW 220 engine

Location/Maintenance Type	Power Setting	Duration (Seconds)	Day	Night	# Engines	Notes
Check engine	Idle	900	3.00	0.00	1	Maintenance Runs every other day with all 3 aircraft =
	80%	20	3.00	0.00	1	3 days per week = 156 days per year that maintenance runs are performed
	(for EDH check and fuel scavenge)					
Crew Change (normal launch)	Idle	900	0.23	0.00	1	average 2 sorties a month, 104 flying days per year
	80%	10	0.23	0.00	1	
Scheduled Practice Scrambles	Idle	300	1.15	0.00	1	average 10 sorties a month, 104 flying days per year

CBP
Regional maintenance for UH-60, AS-350, Citation C-550, Cessna C-210
National maintenance for UH-60
All A/C for initial runs at lower pad
All power runs: citations will taxi to compass rose and power area. Trim Pad 3, sometimes Pad 2
C-210 south of west ramp
UH-60 at helo pad
AS-350 in front of hangar

Assume 5 working days per week = 260 maintenance days per year

Aircraft	Maintenance Type/Location	Power Setting	Duration (Seconds)	Day	Night	# Engines	Notes
							M-F 3 hrs per day shift. 6-7/year, take 1 week ground runs
UH-60	Routine Maint. in front of hanger	Idle	3300	1			1 hour per day
		Max	300	1			
UH-60	National Program at North Lower Ramp	Idle	9900	0.0269			7 aircraft per year
		Power	900	0.0269			
AS-350	Routine Maint. in front of hanger	Idle	3600	1.0000			1 aircraft per day, 1 hour a day, no night ops
Citation C-550	Routine Maint. in front of hanger	Idle	1680	0.2000			1 aircraft per week
		Full power 90%	120	0.2000			
Cessna C-210	Routine Maint. in front of hanger	Idle 90%	1440	0.0077			30 min every 6 months
		10%	180	0.0077			
		power check	180	0.0077			

AMARG

Maintenance days per year: Assume they work 5 days a week for 52 weeks a year = 260 working days a year

Aircraft	Maintenance Type/Location	Power Setting	Duration (Seconds)	Day	Night	# Engines	Notes
							Face 120 degrees
F-4	Functional & Leak Check at Power Pad	Idle 65%	4740	0.138	0	1	3 x a month
		Mil	660	0.138	0		
		80%	60	0.138	0		
		AB	180	0.138	0		
F-4	Functional & Leak Check at Test Cell	Idle 65%	2000	0.462	0	1	5-10 per month
		Mil	500	0.462	0		No supression
		AB	360	0.462	0		
F-4	Flightline at Trim Pad/Alfa Row	Below 80%	1800	0.76	0.04		4 runs per week; 5% before 7 am.
F-16	Flightline at Trim Pad/Alfa Row	Below 80%	1200	2	0	1	2 runs per day
F-16	FCF	Idle	180	0.046			
C-130	Flightline at Pad 3	Low Power	5400	0.015	0	4	~ 4 runs per year. C-130 and P-3 may not have any runs for the next couple of years
		High Power	7200	0.015	0	4	rarely (if ever) performed between 10 pm and 7 am
P-3	Flightline at Pad 3	Low Power	5400	0.035	0	4	no runs projected but there were 9 aircraft run last year
		High Power	7200	0.035	0	4	not performed between 10 pm and 7 am

Snowbird
Aircraft types: F-16 (primary), A-10 (seconday), some F-15, tornados (GR-4 and GR-7) and Harrier
Most engine runs on Snowbird Ramp and Live Load Area
Limited to 85% power, over 85% use Trim Pad 2 (2-3% of annual runs)
No night events (<1%)

Maintenance runs occur 3 times a week for 3 weeks = 9 snowbird events

Location/Maintenance Type	Power Setting	Duration (Sec)	Day	Night	# Engines	
Flightline/F-16	Idle	1800	0.6		1	3 times a week for 3 weeks
Engine Malfunction	Idle 85%	3600	0.6			3 times a week
Trim Pad 2/F-16	Idle	3600	0.2			3 times a month
Power Run/Trim Pad 2	Power	300	0.33333			
Leak check/Trim Pad 2	Idle 60%	600	0.6		1	
	Idle 60%	300	0.6		1	
	80%	180	0.6		1	
	100%	120	0.6		1	

Test Cell

	T-56 engine (C-130)		TF-34 engine (A-10)	
	hours	# runs	hours	# runs
Jan	7.1	3	23	3
Feb	4.1	3	44	6
March	5.8	2	34.5	7
April	12.7	8	38.3	4
May	7.4	3	58.7	6
June			9.9	3
July			10.3	2
Hours for 6 Month Run	37.10	19.00	218.70	31.00
Annual Total	74.20	38.00	437.40	62.00
Annual Runs in Seconds	26,712.00		157,464.00	
Seconds per Run	702.95		2539.74	

F-4	**Location**	**Power Setting**	**Duration (Sec)**	**Day**	**Night**
Functional Leak Ck	Test Cell	Idle 65%	2000	0.4600	
		Mil	500	0.4600	
		AB	360	0.4600	

A-10	**Location**	**Power Setting**	**Duration (Sec)**	**Day**	**Night**
Max Power Trim Run		Idle	1620	0.2385	
		80%	120	0.2385	
		85%	60	0.2385	
		Max	360	0.2385	

ATTACHMENT 2

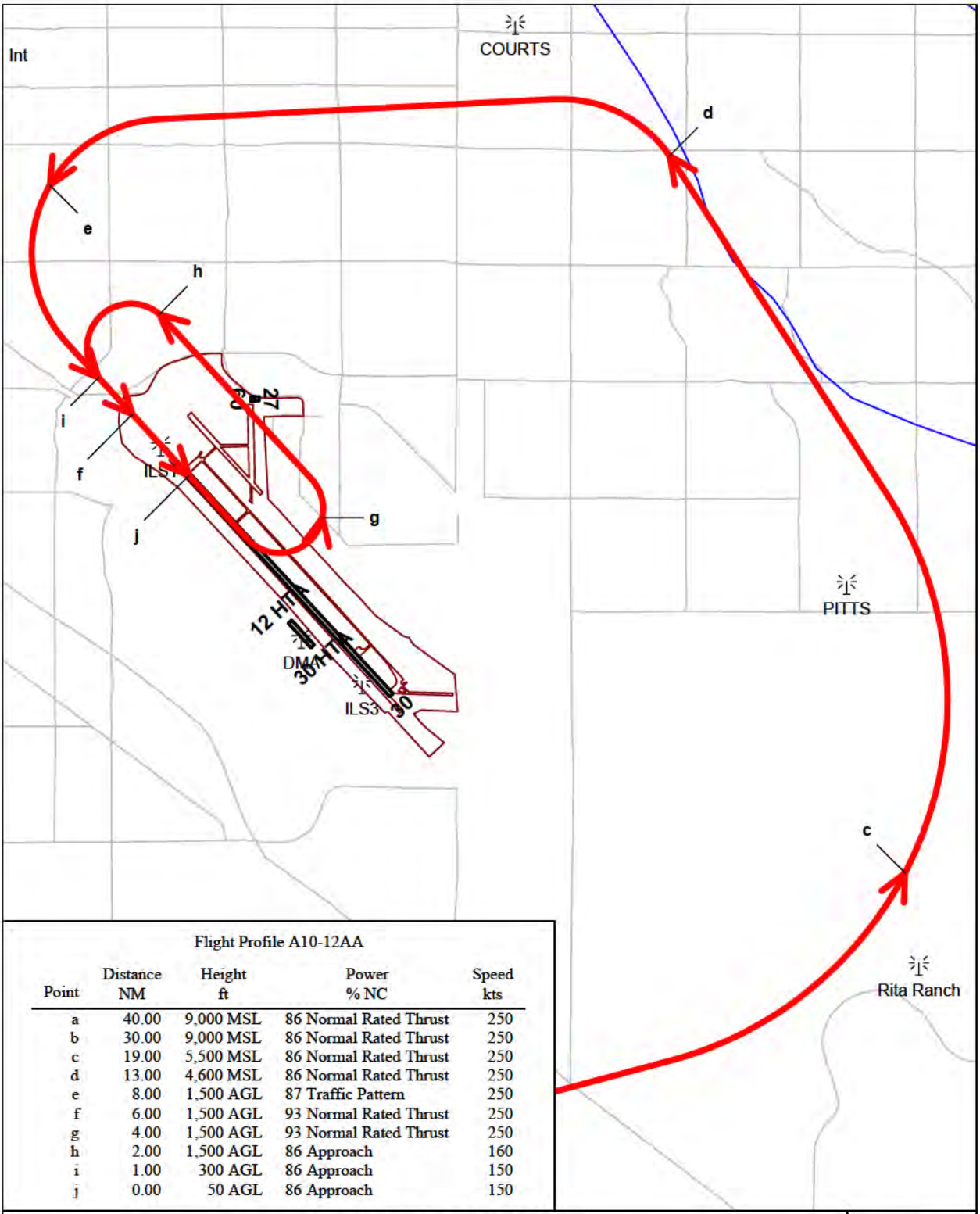
355 FW SUMMARY DATA

2007 AICUZ Re-Validation 07/30/07

355 FW Flight Profile Operations Summary

1:38 PM
Monday, September 24, 2007
BaseOps 7.3

Maps of Flight Profiles



Flight Profile A10-12AA

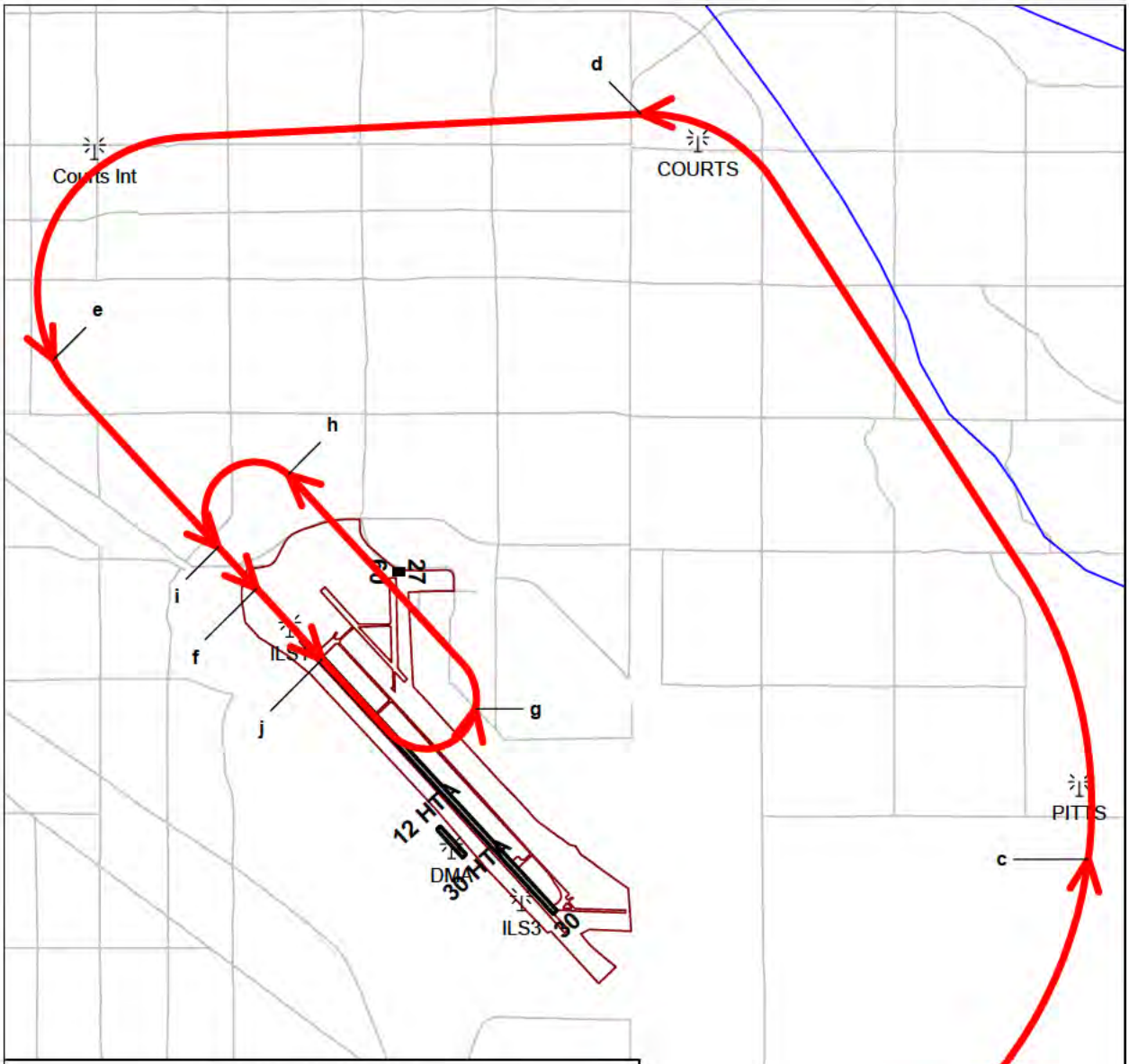
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	86 Normal Rated Thrust	250
b	30.00	9,000 MSL	86 Normal Rated Thrust	250
c	19.00	5,500 MSL	86 Normal Rated Thrust	250
d	13.00	4,600 MSL	86 Normal Rated Thrust	250
e	8.00	1,500 AGL	87 Traffic Pattern	250
f	6.00	1,500 AGL	93 Normal Rated Thrust	250
g	4.00	1,500 AGL	93 Normal Rated Thrust	250
h	2.00	1,500 AGL	86 Approach	160
i	1.00	300 AGL	86 Approach	150
j	0.00	50 AGL	86 Approach	150

Flight Profile A10-12AA
Davez 1st Ship--355 FW

0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:82,300 (1 inch = 6,860 feet)

N



Flight Profile A10-12AB

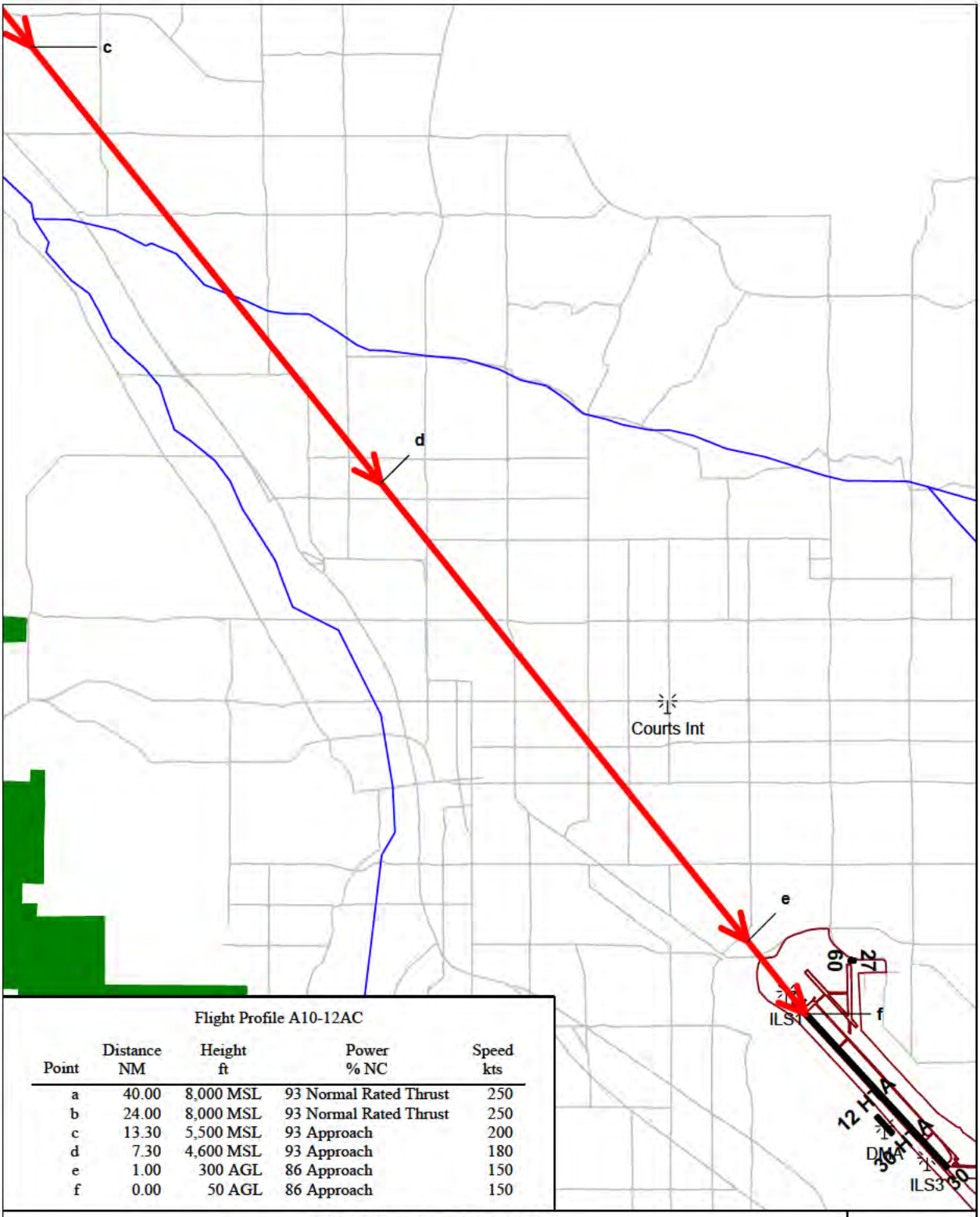
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	86 Normal Rated Thrust	250
b	30.00	9,000 MSL	86 Normal Rated Thrust	250
c	19.00	5,500 MSL	86 Normal Rated Thrust	250
d	13.00	4,600 MSL	86 Normal Rated Thrust	250
e	8.00	1,500 AGL	87 Traffic Pattern	250
f	6.00	1,500 AGL	93 Normal Rated Thrust	250
g	4.00	1,500 AGL	93 Normal Rated Thrust	250
h	2.00	1,500 AGL	86 Approach	160
i	1.00	300 AGL	86 Approach	150
j	0.00	50 AGL	86 Approach	150

Flight Profile A10-12AB
Davez 2nd Ship--355 FW

0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:82,300 (1 inch = 6,860 feet)

N



Flight Profile A10-12AC

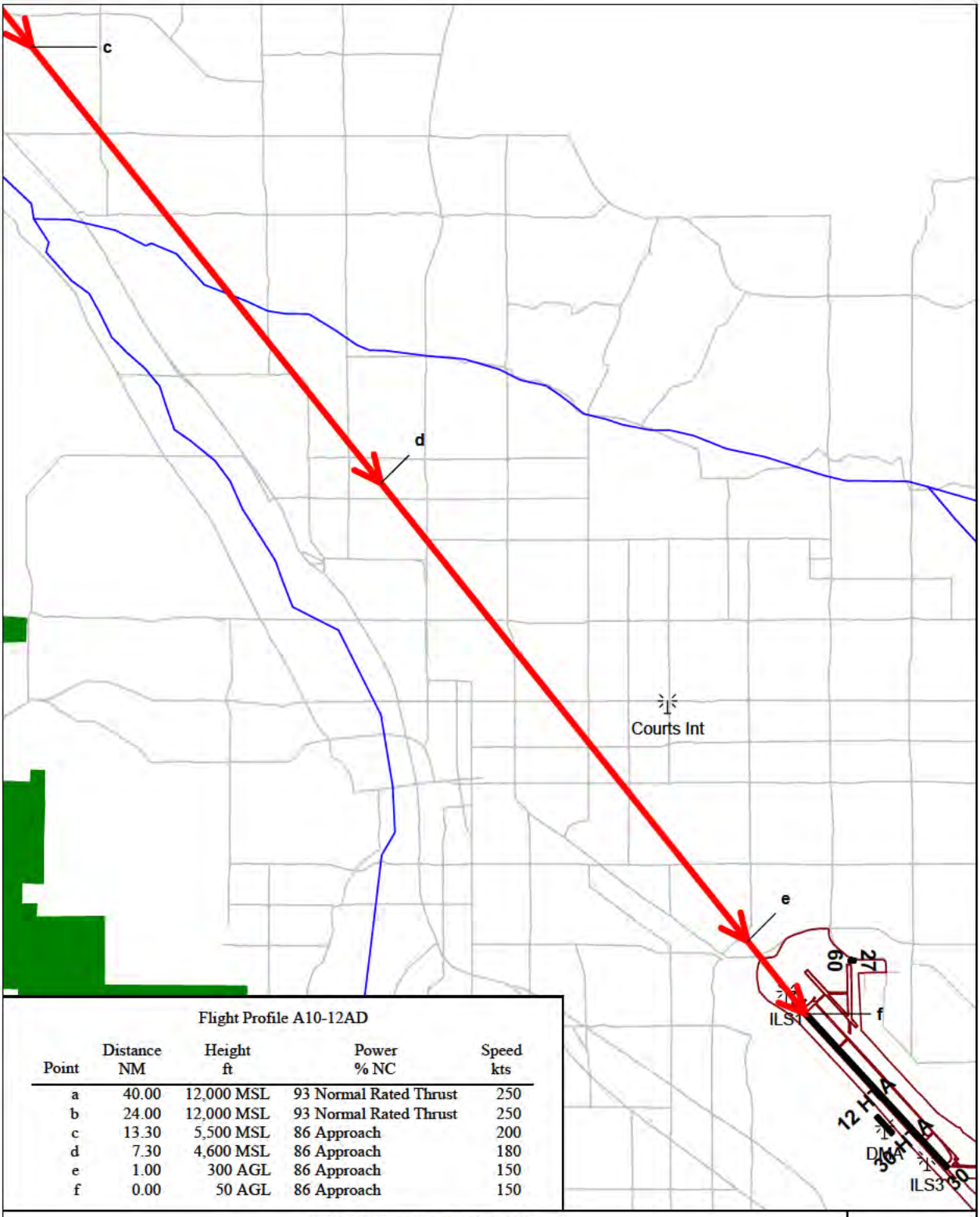
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	8,000 MSL	93 Normal Rated Thrust	250
b	24.00	8,000 MSL	93 Normal Rated Thrust	250
c	13.30	5,500 MSL	93 Approach	200
d	7.30	4,600 MSL	93 Approach	180
e	1.00	300 AGL	86 Approach	150
f	0.00	50 AGL	86 Approach	150

Flight Profile A10-12AC
PAR--355 FW

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:118,000 (1 inch = 9,800 feet)

N



Flight Profile A10-12AD

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	12,000 MSL	93 Normal Rated Thrust	250
b	24.00	12,000 MSL	93 Normal Rated Thrust	250
c	13.30	5,500 MSL	86 Approach	200
d	7.30	4,600 MSL	86 Approach	180
e	1.00	300 AGL	86 Approach	150
f	0.00	50 AGL	86 Approach	150

Flight Profile A10-12AD
High TACAN--355 FW

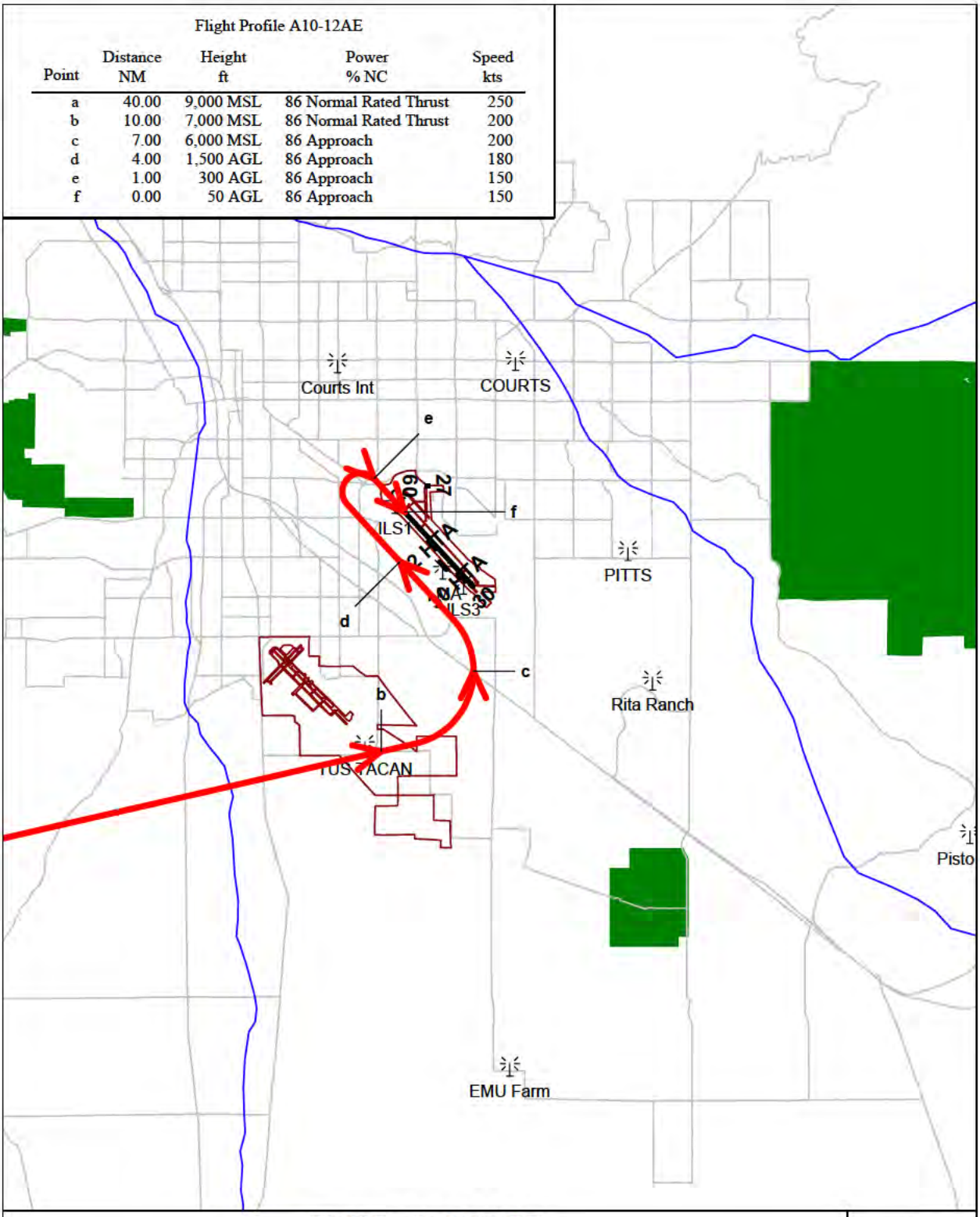
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:118,000 (1 inch = 9,800 feet)

N

Flight Profile A10-12AE

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	86 Normal Rated Thrust	250
b	10.00	7,000 MSL	86 Normal Rated Thrust	200
c	7.00	6,000 MSL	86 Approach	200
d	4.00	1,500 AGL	86 Approach	180
e	1.00	300 AGL	86 Approach	150
f	0.00	50 AGL	86 Approach	150

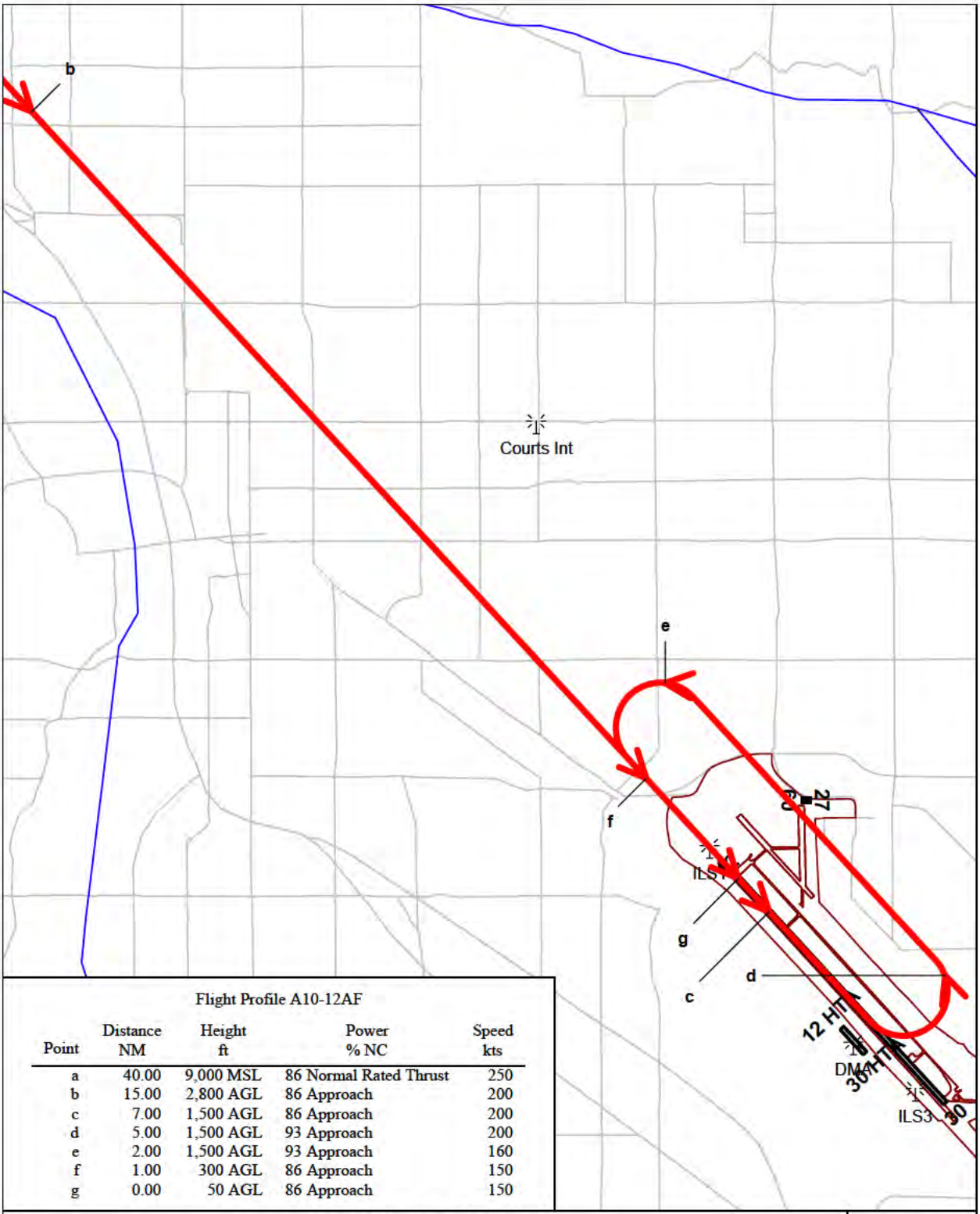


Flight Profile A10-12AE
HUNG ORDINANCE--355 FW

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000

Scale in Feet 1:242,000 (1 inch = 20,200 feet)

N



Flight Profile A10-12AF

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	86 Normal Rated Thrust	250
b	15.00	2,800 AGL	86 Approach	200
c	7.00	1,500 AGL	86 Approach	200
d	5.00	1,500 AGL	93 Approach	200
e	2.00	1,500 AGL	93 Approach	160
f	1.00	300 AGL	86 Approach	150
g	0.00	50 AGL	86 Approach	150

Flight Profile A10-12AF
La Choya--355 FW

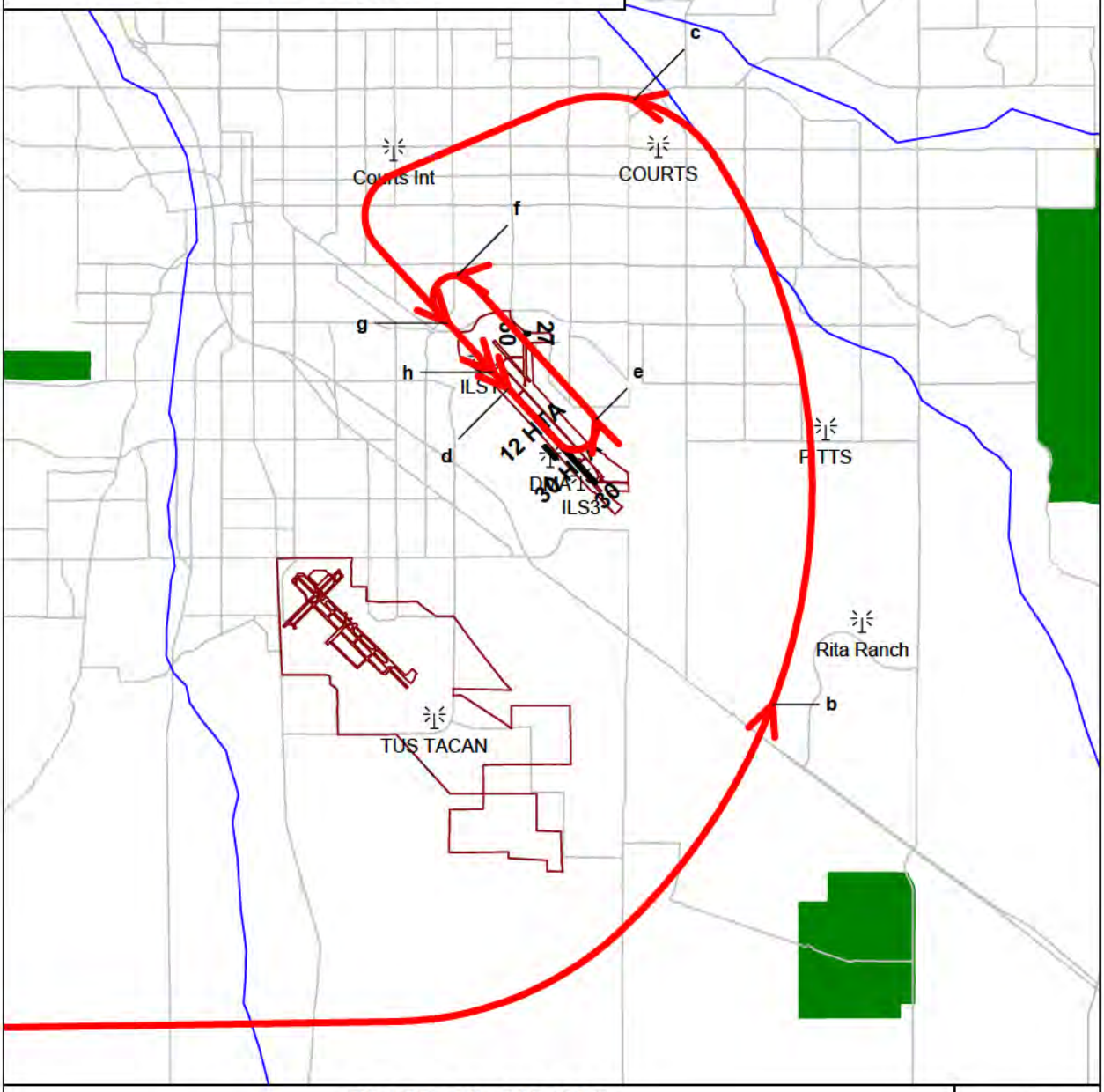
0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:80,500 (1 inch = 6,710 feet)

N

Flight Profile A10-12AG

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	5,500 MSL	86 Normal Rated Thrust	250
b	25.00	4,200 MSL	86 Normal Rated Thrust	250
c	15.00	2,800 AGL	86 Approach	200
d	7.00	1,500 AGL	86 Approach	200
e	5.00	1,500 AGL	93 Approach	200
f	2.00	1,500 AGL	93 Approach	160
g	1.00	300 AGL	86 Approach	150
h	0.00	50 AGL	86 Approach	150



Flight Profile A10-12AG
Green Valley--355 FW

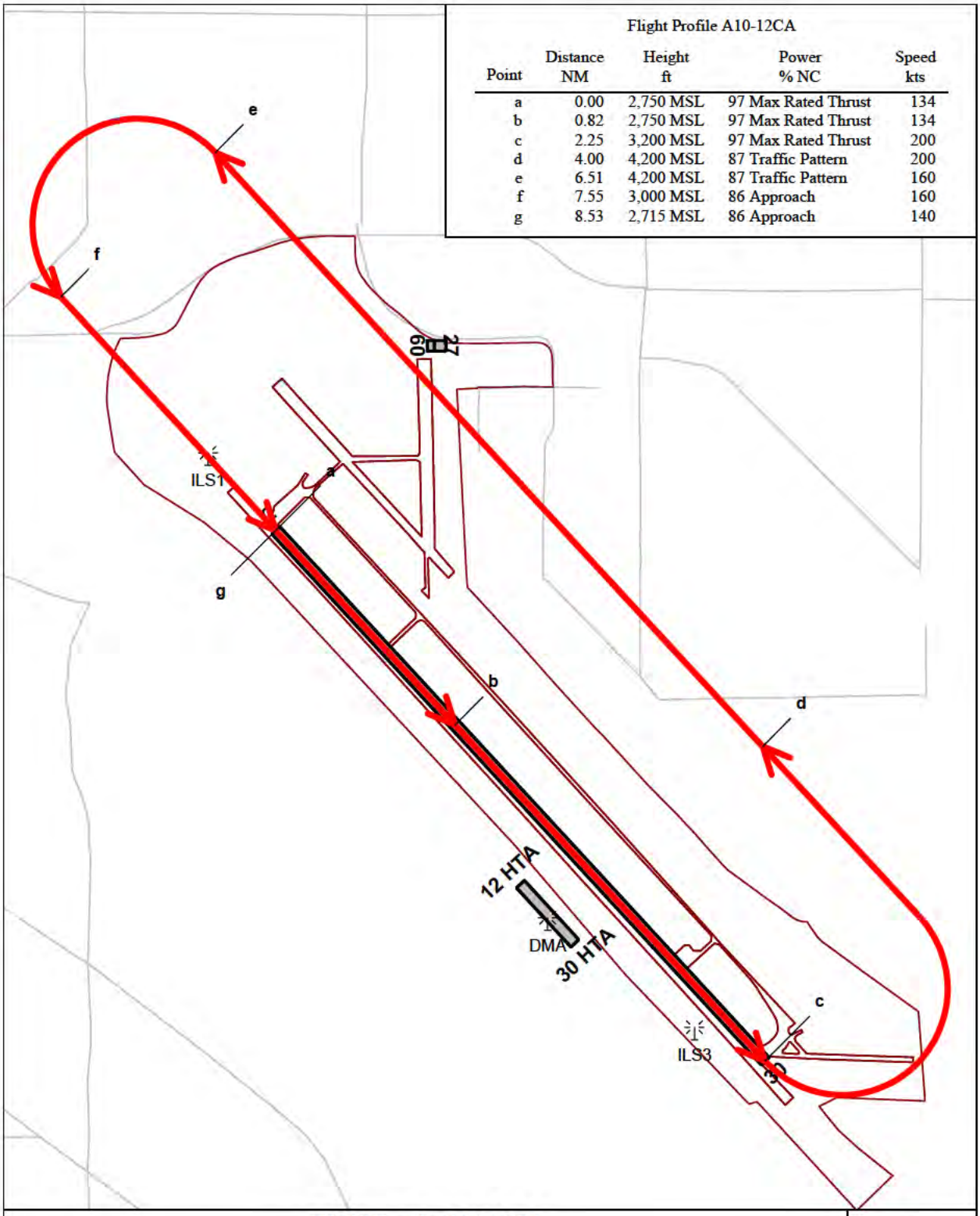
0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:184,000 (1 inch = 15,300 feet)

N

Flight Profile A10-12CA

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	2,750 MSL	97 Max Rated Thrust	134
b	0.82	2,750 MSL	97 Max Rated Thrust	134
c	2.25	3,200 MSL	97 Max Rated Thrust	200
d	4.00	4,200 MSL	87 Traffic Pattern	200
e	6.51	4,200 MSL	87 Traffic Pattern	160
f	7.55	3,000 MSL	86 Approach	160
g	8.53	2,715 MSL	86 Approach	140

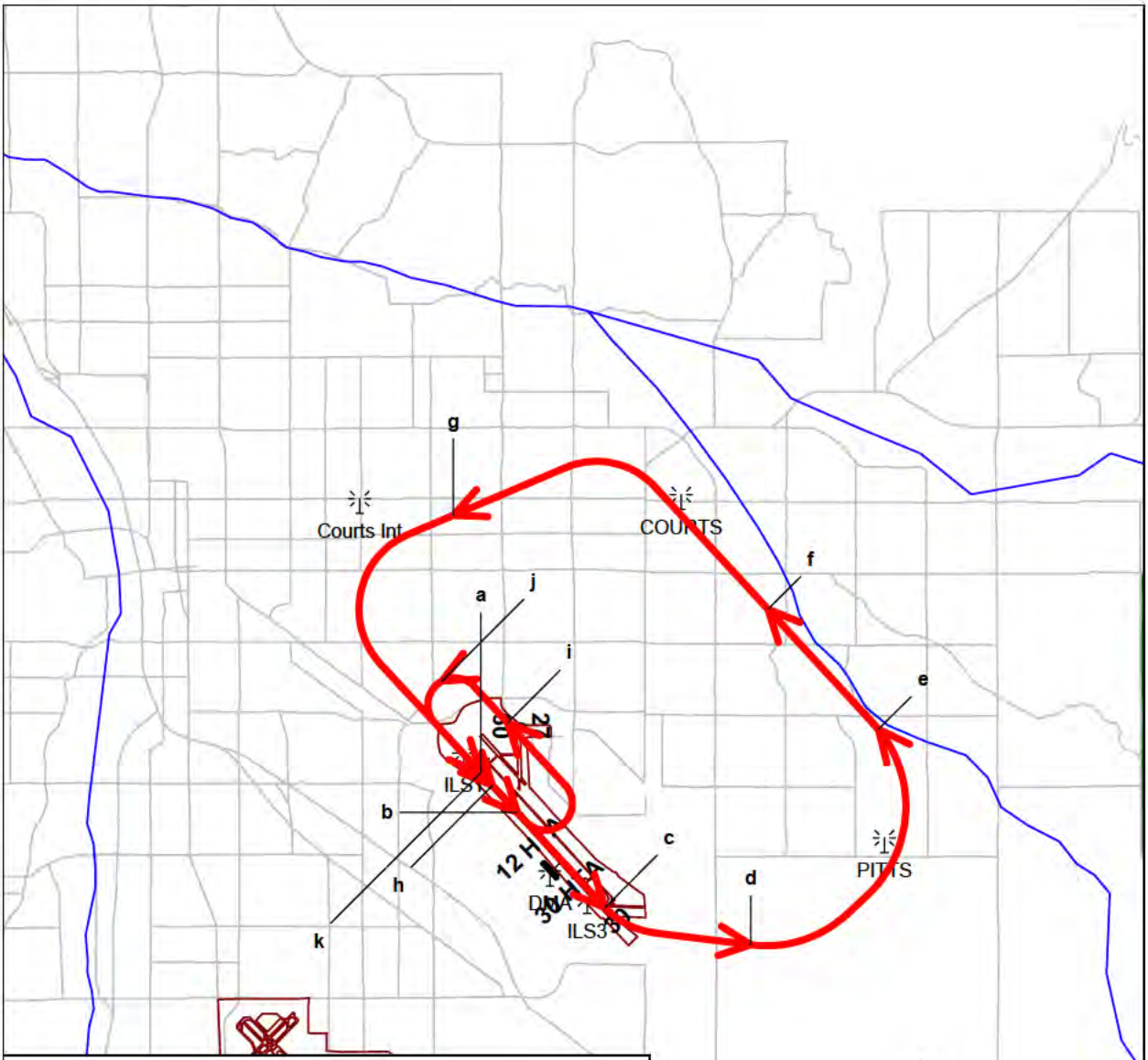


Flight Profile A10-12CA
VFR CP--355 FW

0 2,000 4,000 6,000 8,000 10,000

Scale in Feet 1:34,000 (1 inch = 2,840 feet)

N



Flight Profile A10-12CB

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	2,750 MSL	97 Max Rated Thrust	134
b	0.66	2,750 MSL	97 Max Rated Thrust	134
c	2.25	3,000 MSL	97 Max Rated Thrust	200
d	4.14	4,700 MSL	87 Traffic Pattern	250
e	8.00	5,500 MSL	93 Normal Rated Thrust	250
f	10.00	5,500 MSL	93 Normal Rated Thrust	250
g	14.74	4,900 MSL	93 Normal Rated Thrust	250
h	19.27	4,200 MSL	87 Traffic Pattern	200
i	21.95	4,200 MSL	86 Traffic Pattern	160
j	22.98	3,000 MSL	86 Approach	160
k	24.42	2,715 MSL	86 Approach	160

Flight Profile A10-12CB
COURTS RE-ENTRY--355 FW

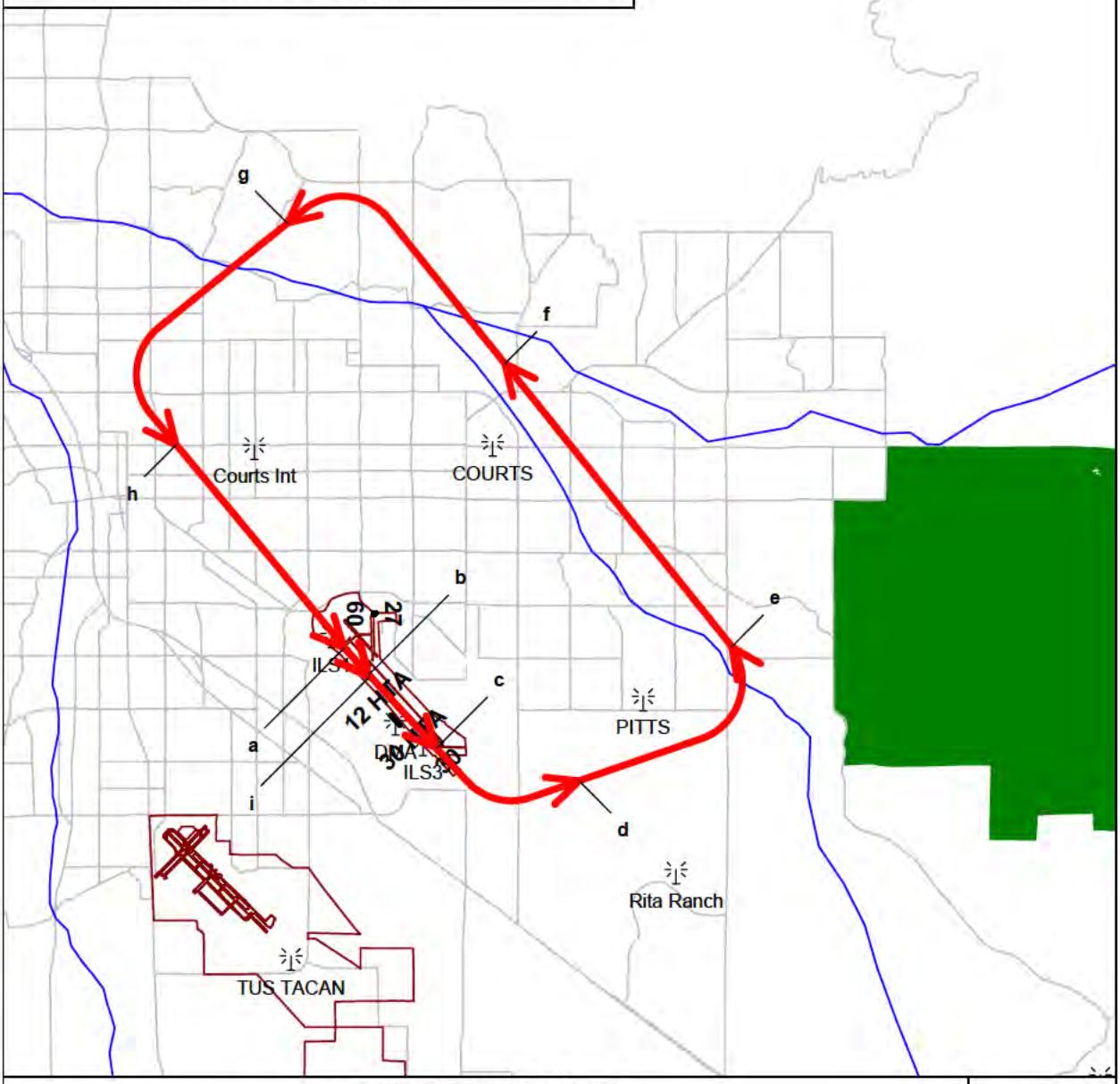
0 10,000 20,000 30,000 40,000 50,000

Scale in Feet 1:157,000 (1 inch = 13,100 feet)

N

Flight Profile A10-12CC

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	2,750 MSL	97 Max Rated Thrust	134
b	0.60	2,750 MSL	97 Max Rated Thrust	134
c	2.25	3,200 MSL	97 Max Rated Thrust	200
d	5.00	6,500 MSL	86 Approach	140
e	9.00	7,000 MSL	87 Traffic Pattern	250
f	15.00	7,000 MSL	87 Traffic Pattern	250
g	20.00	4,800 MSL	93 Normal Rated Thrust	200
h	25.00	3,000 MSL	86 Approach	160
i	30.00	2,715 MSL	86 Approach	140

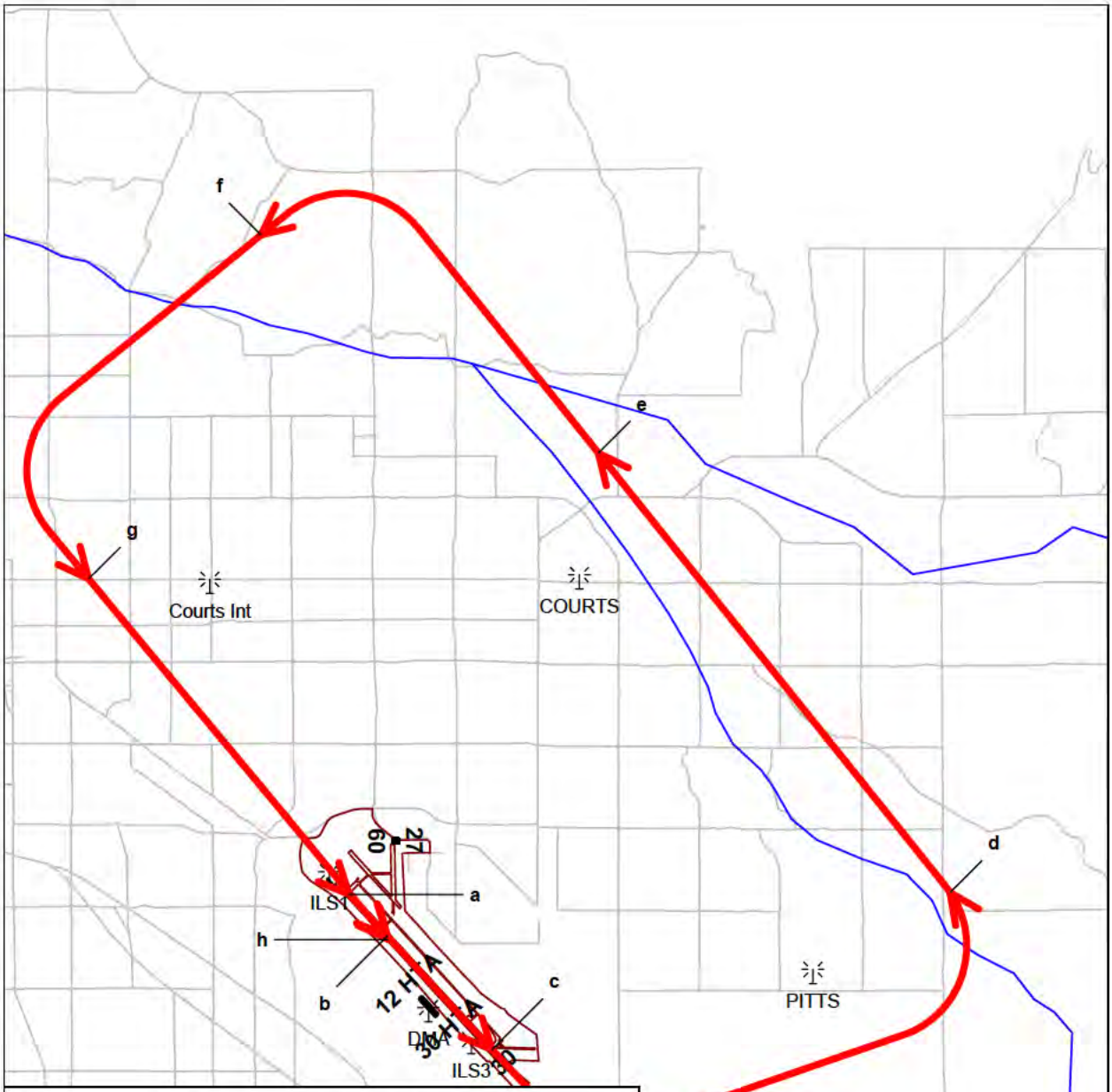


Flight Profile A10-12CC

Re-Run to TACAN, PAR, and Straight--355 FW

0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:207,000 (1 inch = 17,300 feet)



Flight Profile A10-12CD

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	2,750 MSL	97 Max Rated Thrust	134
b	0.60	2,750 MSL	97 Max Rated Thrust	134
c	2.25	3,200 MSL	97 Max Rated Thrust	200
d	9.00	12,000 MSL	87 Traffic Pattern	250
e	15.00	12,000 MSL	87 Traffic Pattern	250
f	20.00	5,500 MSL	93 Normal Rated Thrust	200
g	25.00	3,000 MSL	86 Approach	160
h	30.00	2,715 MSL	86 Approach	140

Flight Profile A10-12CD
Re-Run to High TACAN--355 FW

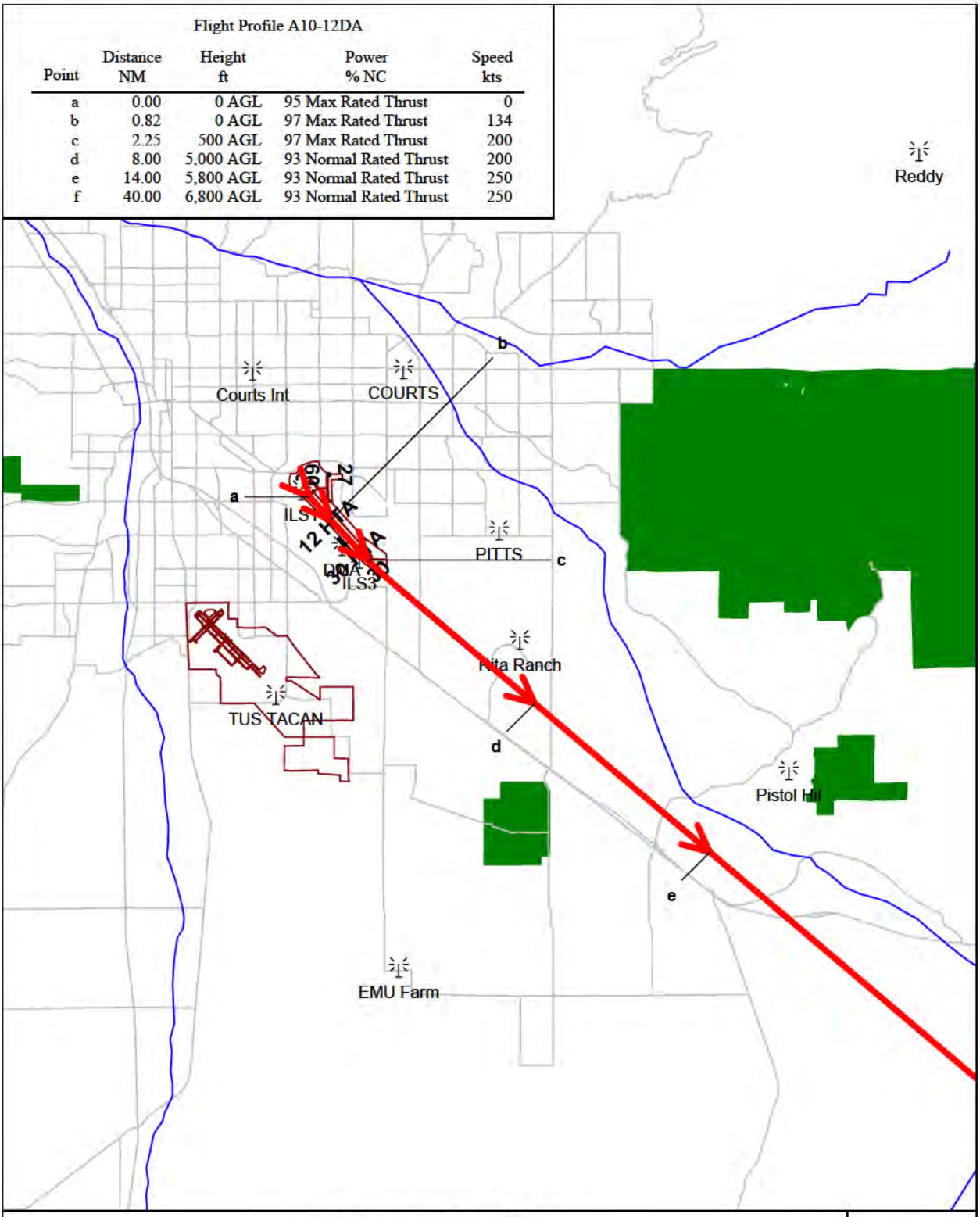
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000

Scale in Feet 1:132,000 (1 inch = 11,000 feet)

N

Flight Profile A10-12DA

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

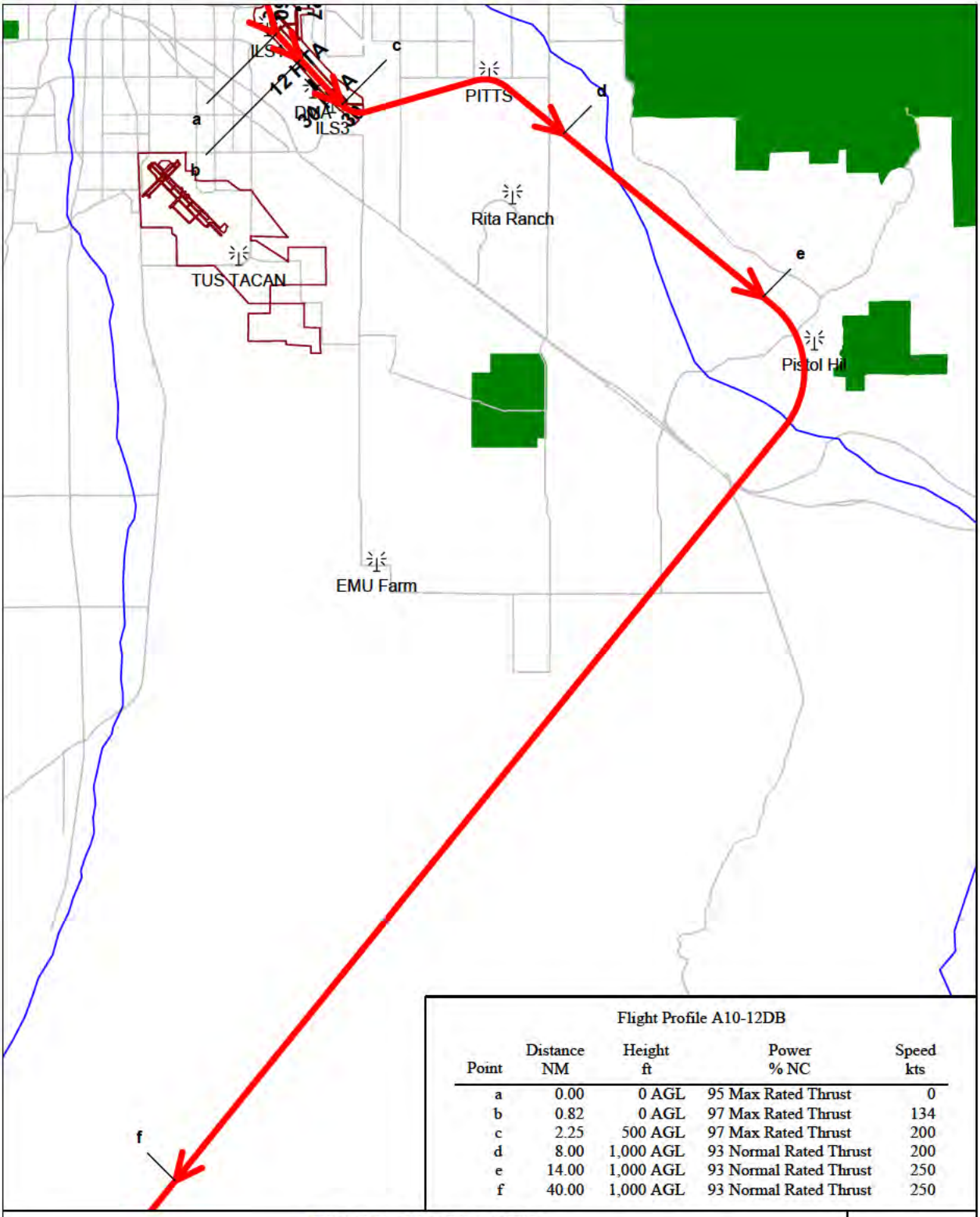


Flight Profile A10-12DA
TOMBSTONE--355 FW

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:286,000 (1 inch = 23,800 feet)

N



Flight Profile A10-12DB

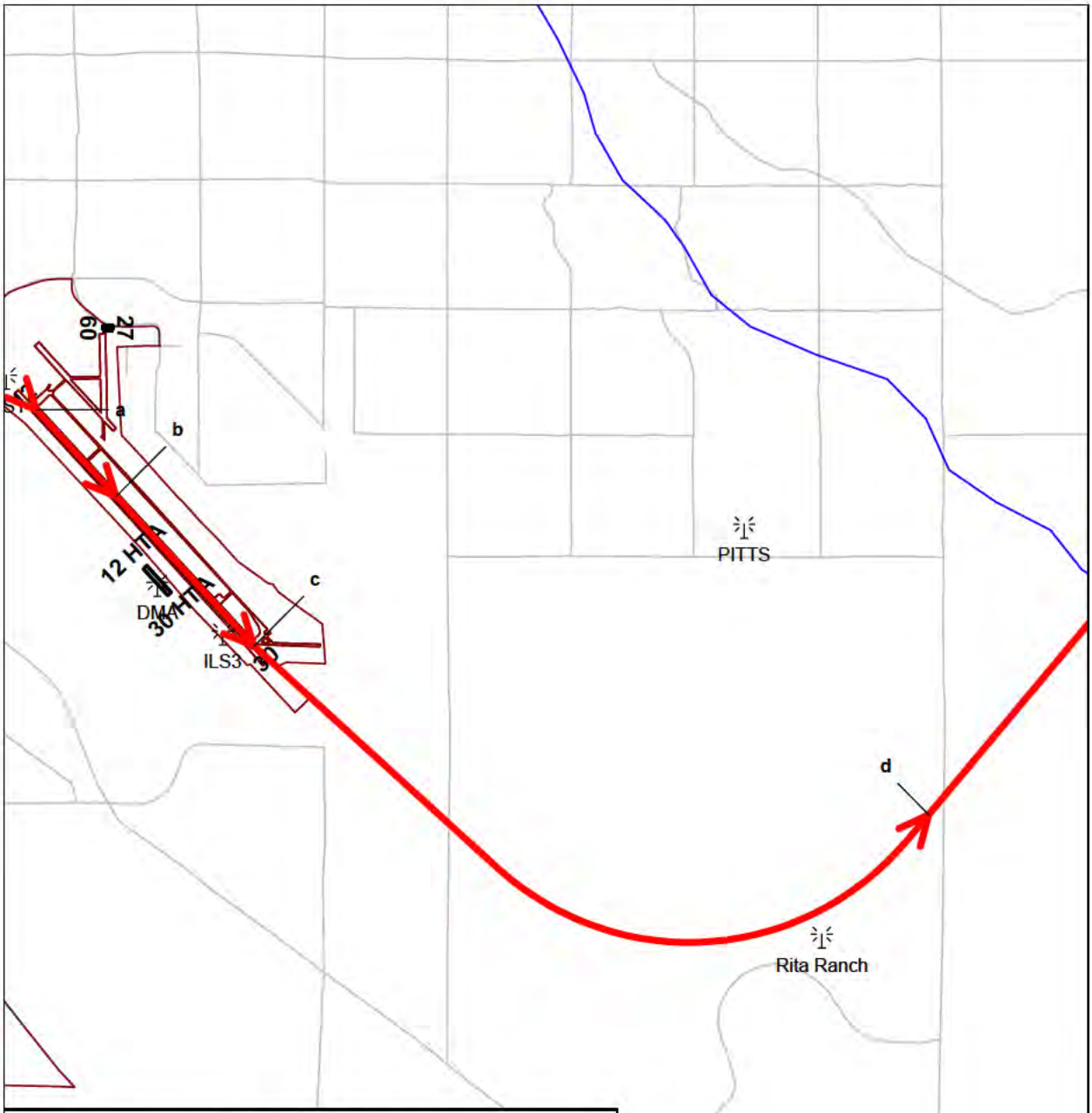
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	1,000 AGL	93 Normal Rated Thrust	200
e	14.00	1,000 AGL	93 Normal Rated Thrust	250
f	40.00	1,000 AGL	93 Normal Rated Thrust	250

Flight Profile A10-12DB
Fairground--355 FW

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000

Scale in Feet 1:255,000 (1 inch = 21,200 feet)

N



Flight Profile A10-12DC

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-12DC
Reddy--355 FW

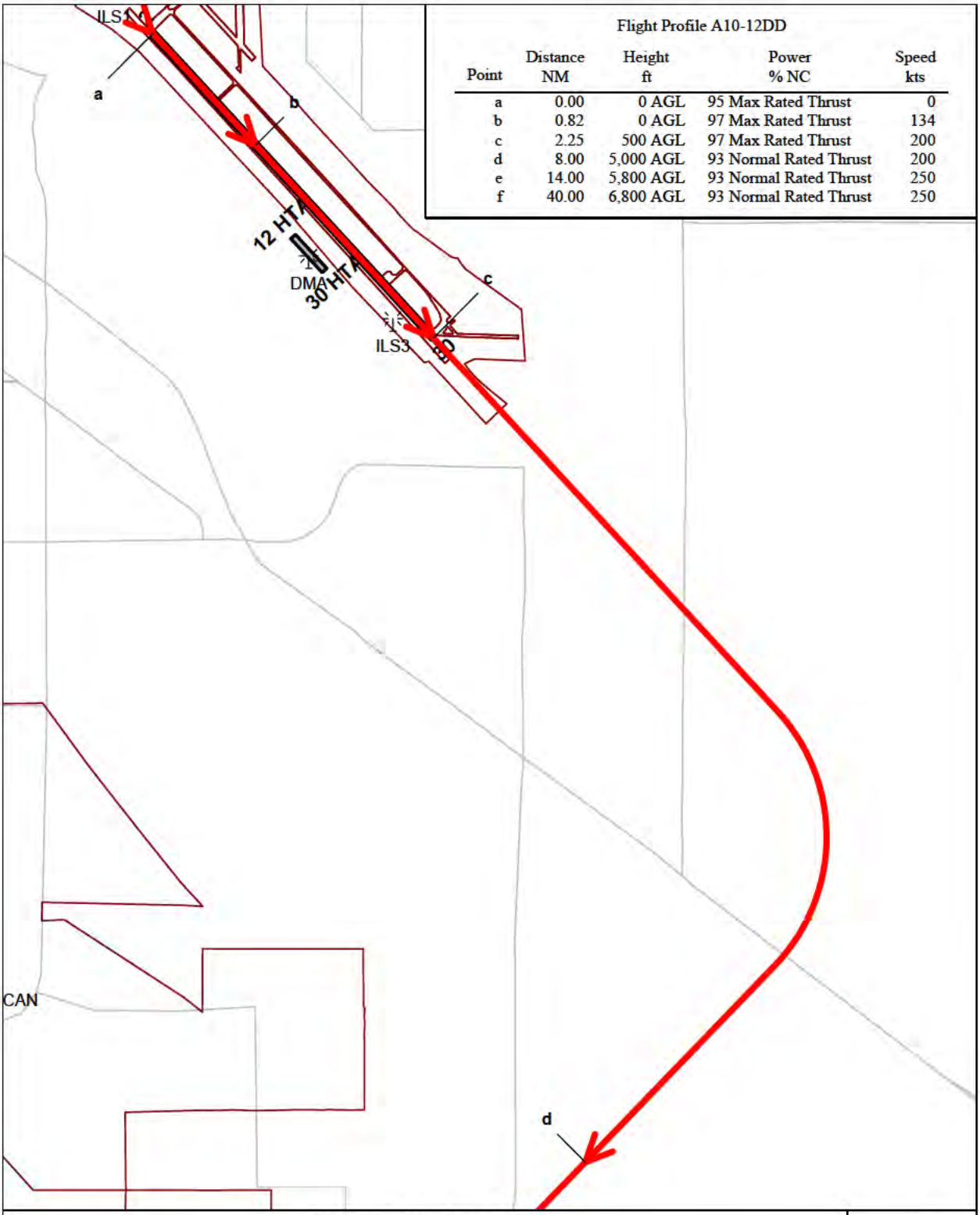
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:85,200 (1 inch = 7,100 feet)

N

Flight Profile A10-12DD

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250



Flight Profile A10-12DD
Tubac--355 FW

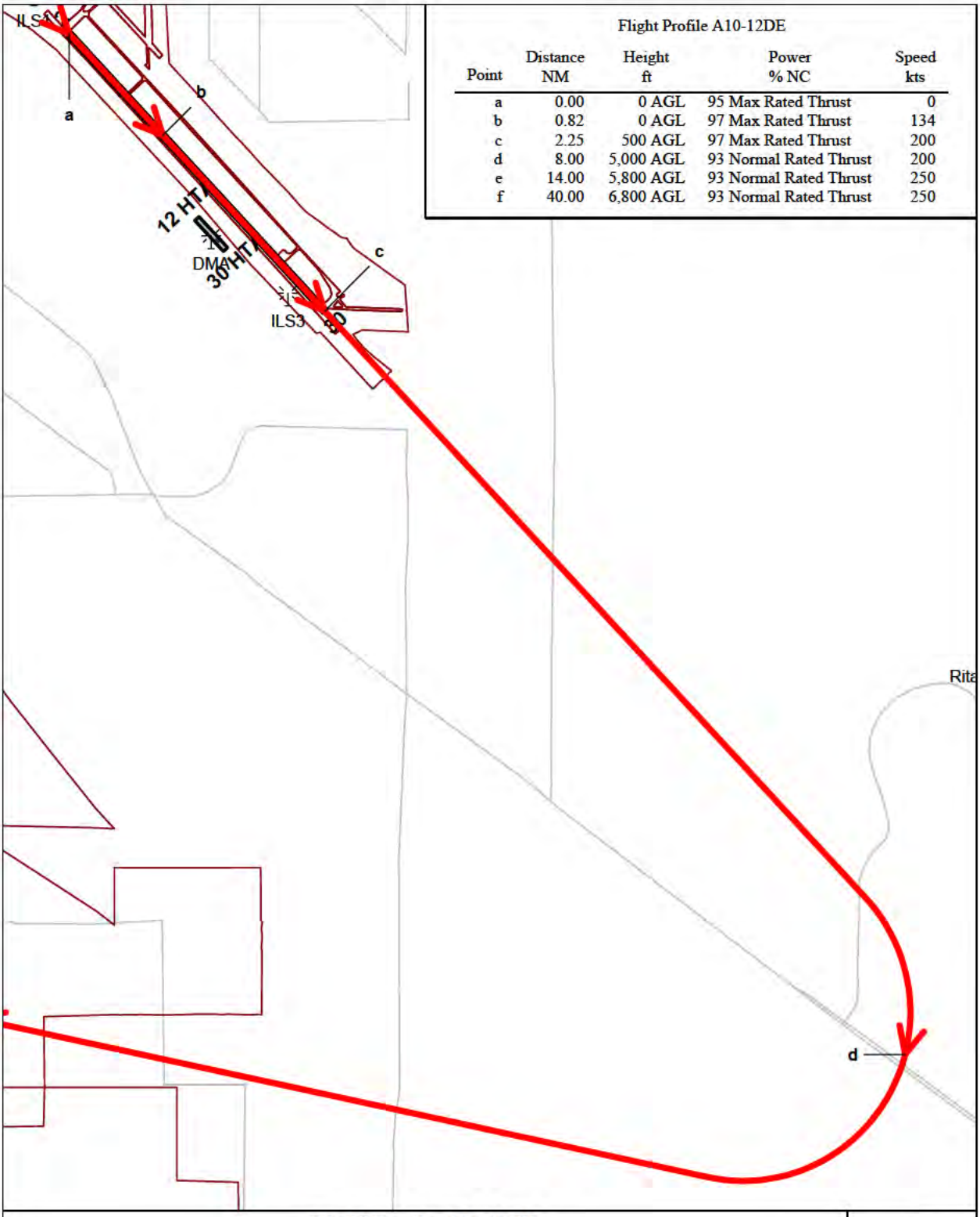
0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000 20,000

Scale in Feet 1:59,400 (1 inch = 4,950 feet)

N

Flight Profile A10-12DE

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

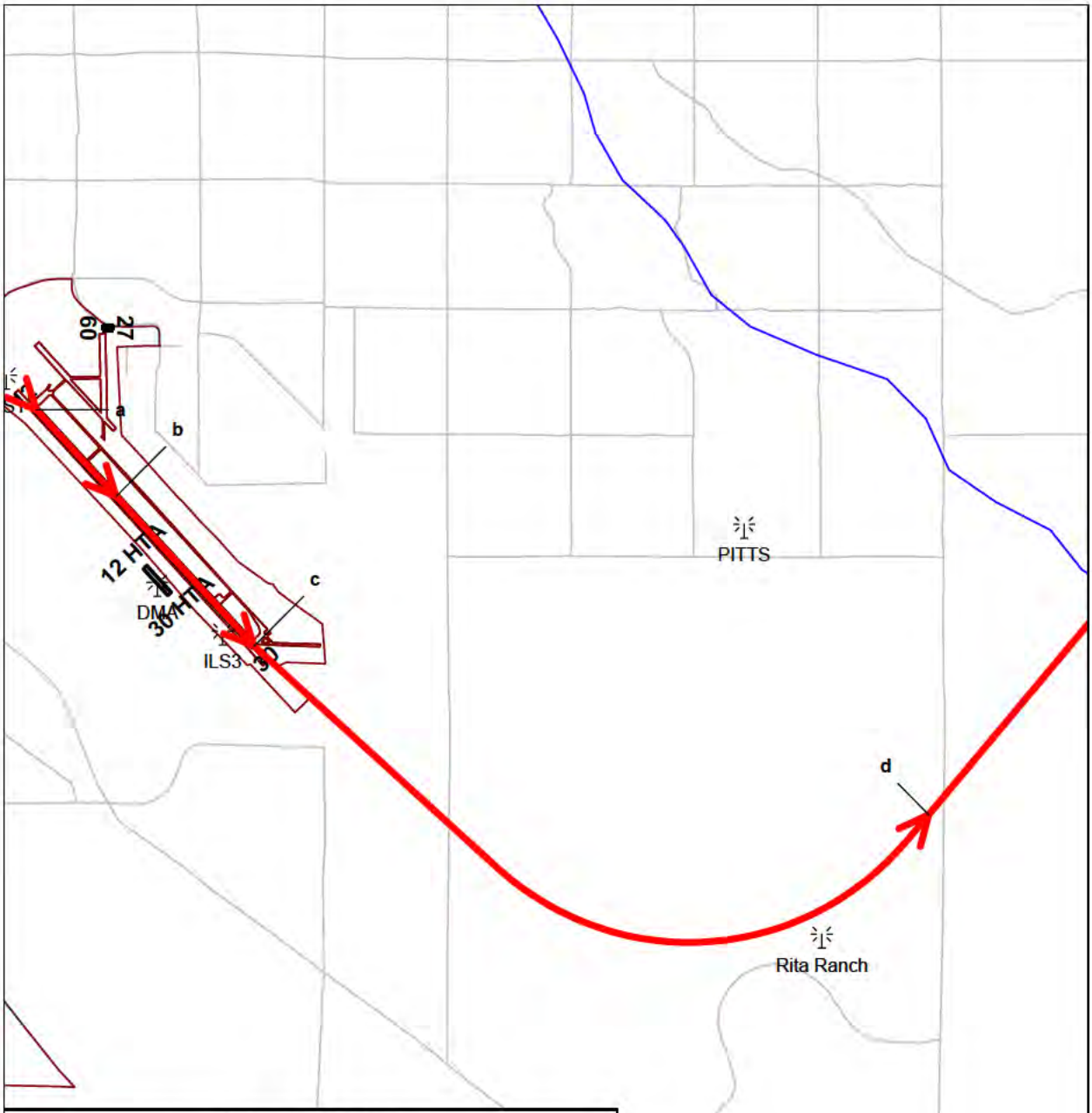


Flight Profile A10-12DE
Kitt--355 FW

0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:65,200 (1 inch = 5,440 feet)

N



Flight Profile A10-12DF

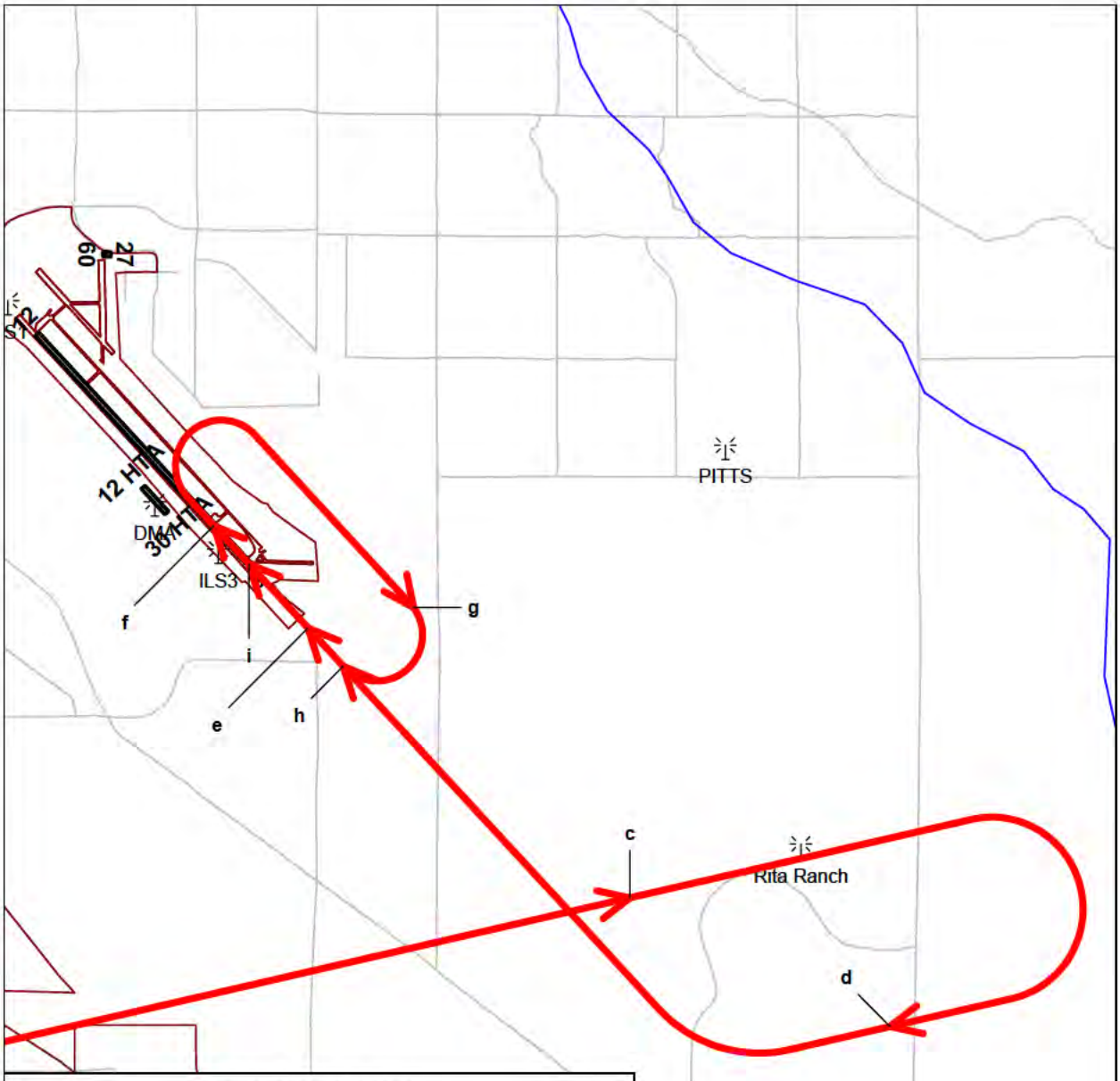
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-12DF
Jackal--355 FW

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:85,200 (1 inch = 7,100 feet)

N



Flight Profile A10-30AA

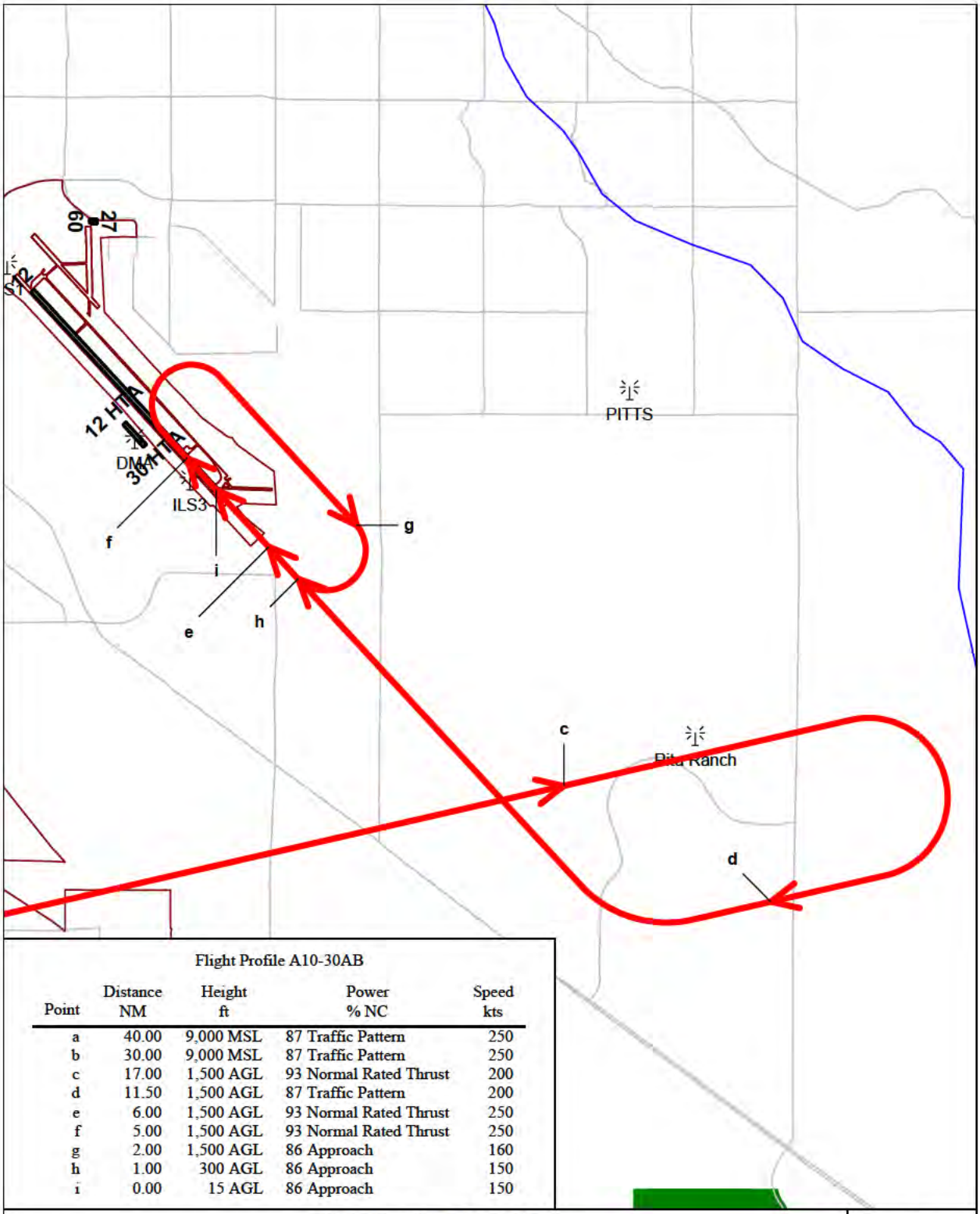
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	87 Traffic Pattern	250
b	30.00	9,000 MSL	87 Traffic Pattern	250
c	17.00	1,500 AGL	93 Normal Rated Thrust	200
d	11.50	1,500 AGL	87 Traffic Pattern	200
e	6.00	1,500 AGL	93 Normal Rated Thrust	250
f	5.00	1,500 AGL	93 Normal Rated Thrust	250
g	2.00	1,500 AGL	86 Approach	160
h	1.00	300 AGL	86 Approach	150
i	0.00	15 AGL	86 Approach	150

Flight Profile A10-30AA
Davez 1st Ship--355 FW

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:89,900 (1 inch = 7,490 feet)

N



Flight Profile A10-30AB

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	87 Traffic Pattern	250
b	30.00	9,000 MSL	87 Traffic Pattern	250
c	17.00	1,500 AGL	93 Normal Rated Thrust	200
d	11.50	1,500 AGL	87 Traffic Pattern	200
e	6.00	1,500 AGL	93 Normal Rated Thrust	250
f	5.00	1,500 AGL	93 Normal Rated Thrust	250
g	2.00	1,500 AGL	86 Approach	160
h	1.00	300 AGL	86 Approach	150
i	0.00	15 AGL	86 Approach	150

Flight Profile A10-30AB
Davez 2nd Ship--355 FW

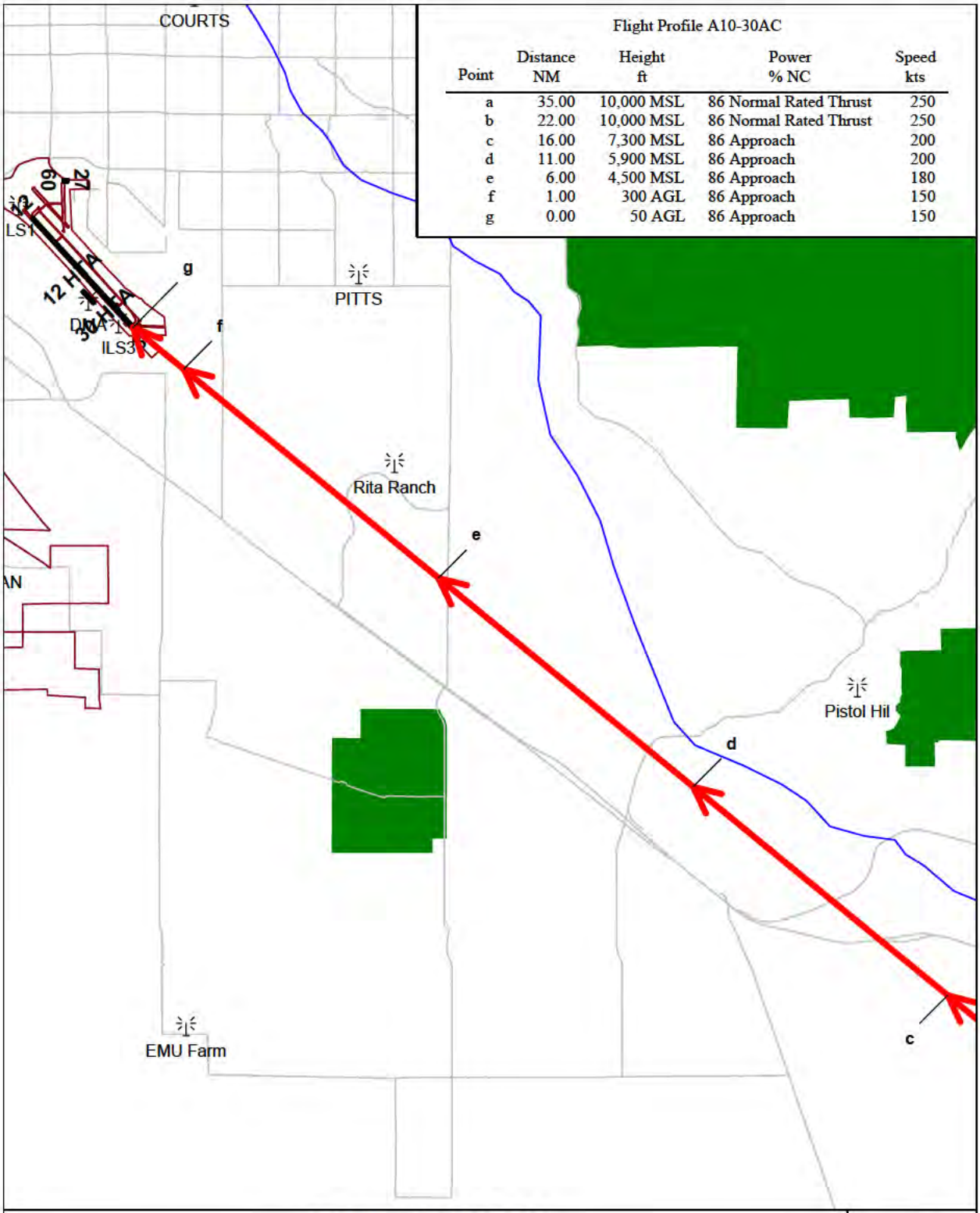
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:90,700 (1 inch = 7,560 feet)

N

Flight Profile A10-30AC

Point	Distance NM	Height ft	Power % NC	Speed kts
a	35.00	10,000 MSL	86 Normal Rated Thrust	250
b	22.00	10,000 MSL	86 Normal Rated Thrust	250
c	16.00	7,300 MSL	86 Approach	200
d	11.00	5,900 MSL	86 Approach	200
e	6.00	4,500 MSL	86 Approach	180
f	1.00	300 AGL	86 Approach	150
g	0.00	50 AGL	86 Approach	150

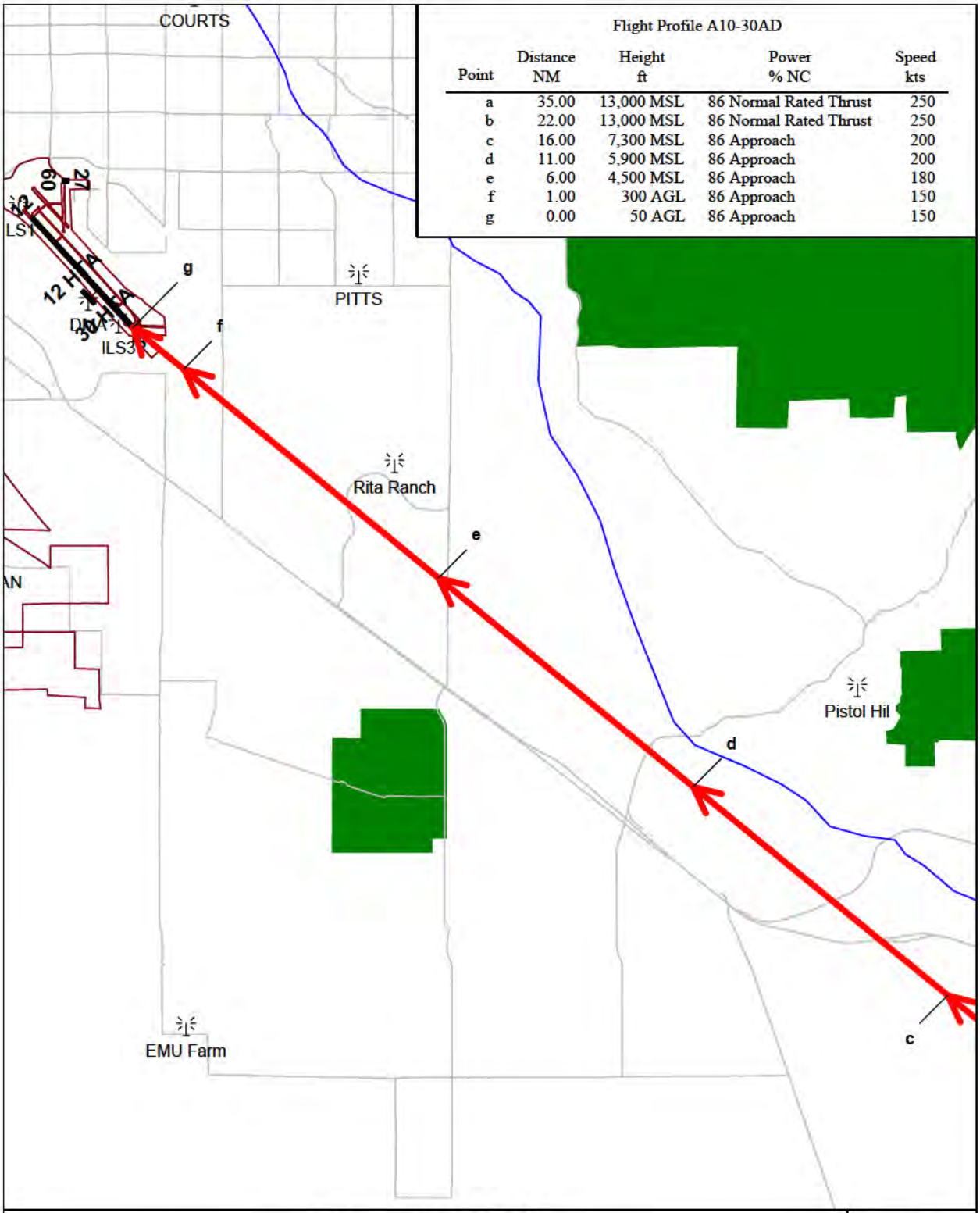


Flight Profile A10-30AC
PAR--355 FW

0 10,000 20,000 30,000 40,000 50,000

Scale in Feet 1:166,000 (1 inch = 13,800 feet)

N



Flight Profile A10-30AD

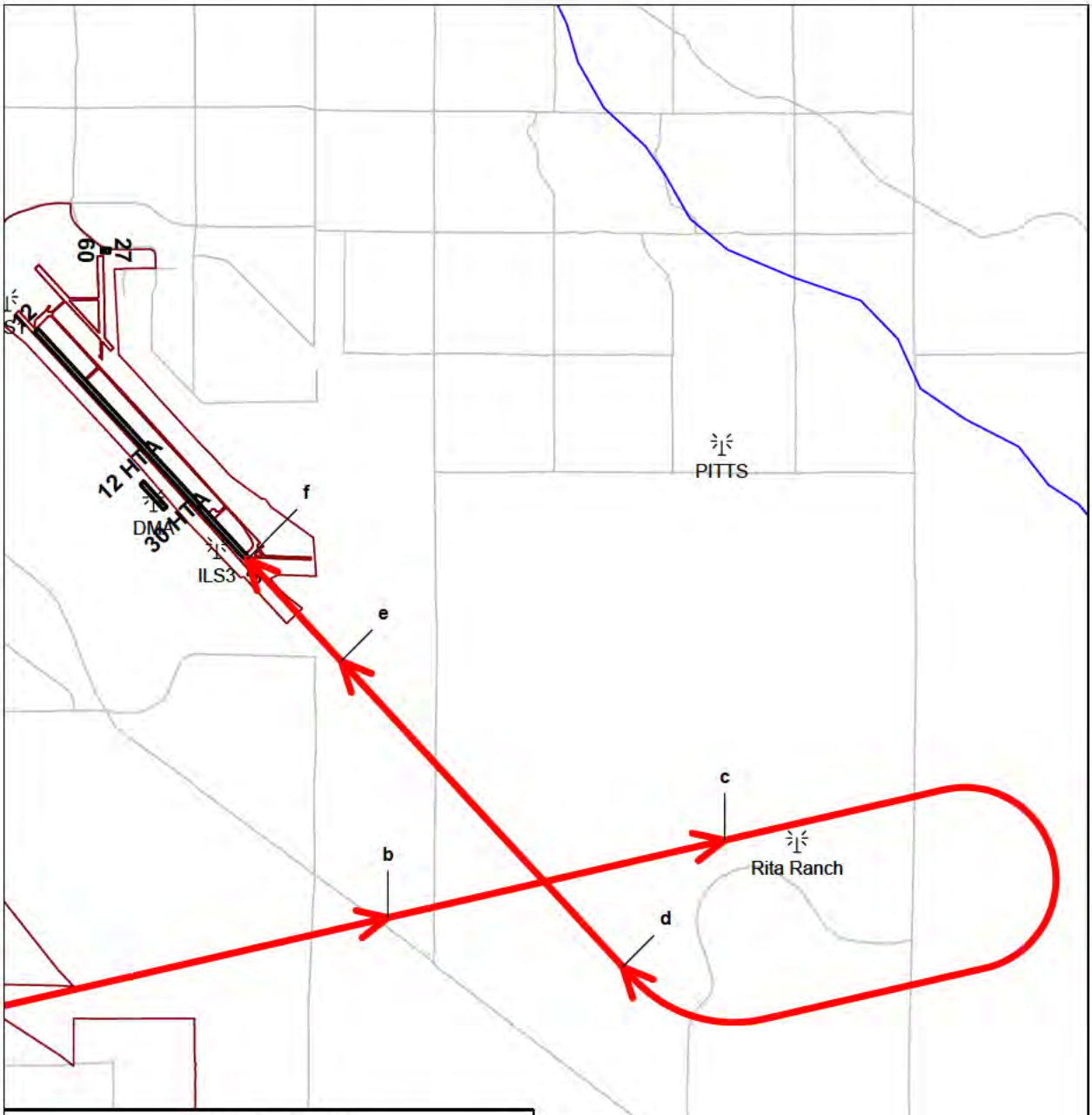
Point	Distance NM	Height ft	Power % NC	Speed kts
a	35.00	13,000 MSL	86 Normal Rated Thrust	250
b	22.00	13,000 MSL	86 Normal Rated Thrust	250
c	16.00	7,300 MSL	86 Approach	200
d	11.00	5,900 MSL	86 Approach	200
e	6.00	4,500 MSL	86 Approach	180
f	1.00	300 AGL	86 Approach	150
g	0.00	50 AGL	86 Approach	150

Flight Profile A10-30AD
High TACAN--355 FW

0 10,000 20,000 30,000 40,000 50,000

Scale in Feet 1:166,000 (1 inch = 13,800 feet)

N



Flight Profile A10-30AE

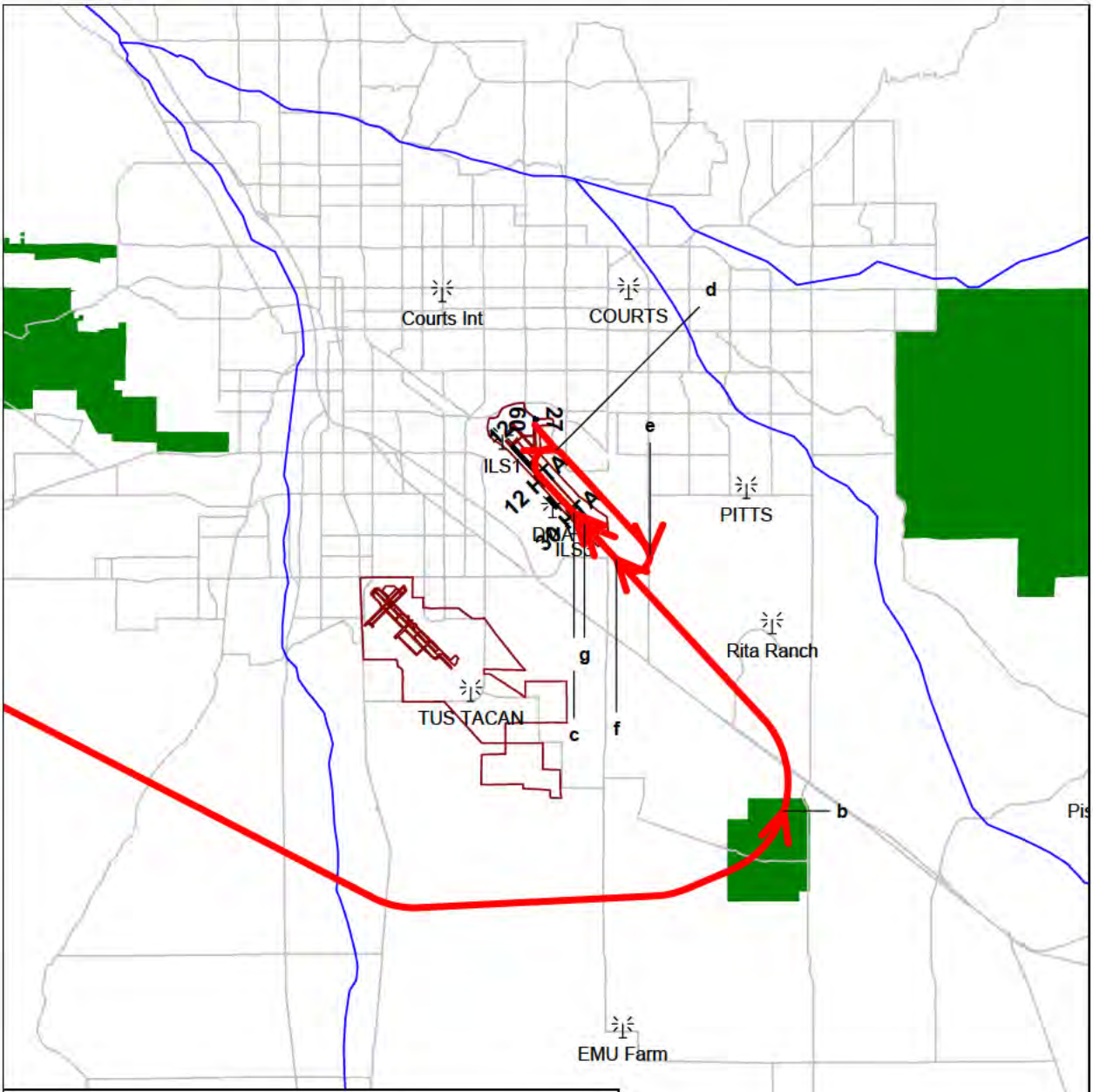
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	86 Approach	250
b	13.00	1,500 AGL	86 Approach	200
c	10.50	1,500 AGL	86 Approach	200
d	4.00	1,500 AGL	86 Approach	180
e	1.00	300 AGL	86 Approach	150
f	0.00	50 AGL	86 Approach	150

Flight Profile A10-30AE
HUNG ORDINANCE--355 FW

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:88,000 (1 inch = 7,330 feet)

N



Flight Profile A10-30AF

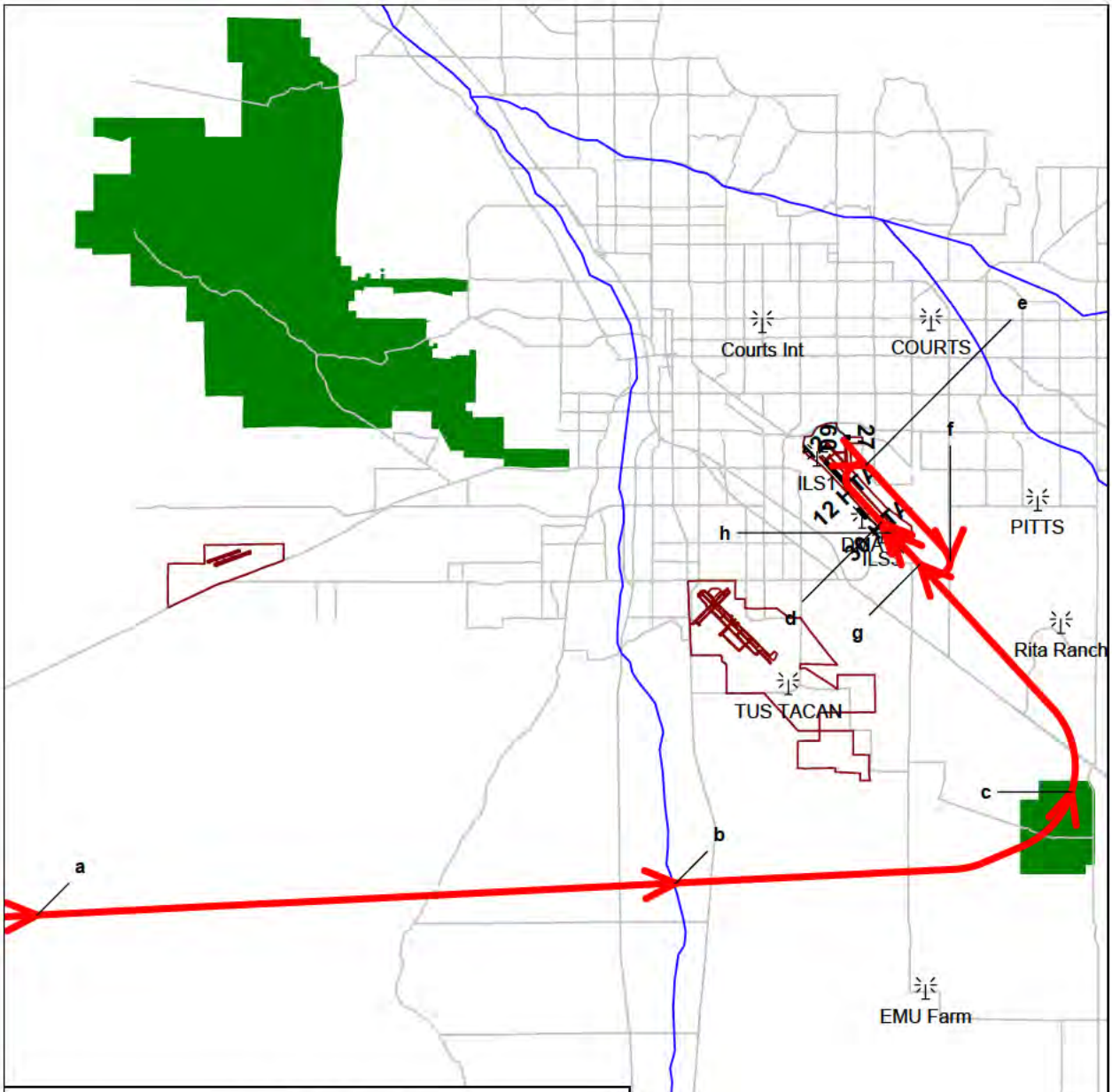
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	86 Normal Rated Thrust	250
b	15.00	2,800 AGL	86 Approach	200
c	7.00	1,500 AGL	86 Approach	200
d	5.00	1,500 AGL	93 Approach	200
e	2.00	1,500 AGL	93 Approach	160
f	1.00	300 AGL	86 Approach	150
g	0.00	50 AGL	86 Approach	150

Flight Profile A10-30AF
La Choya--355 FW

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000

Scale in Feet 1:258,000 (1 inch = 21,500 feet)

N



Flight Profile A10-30AG

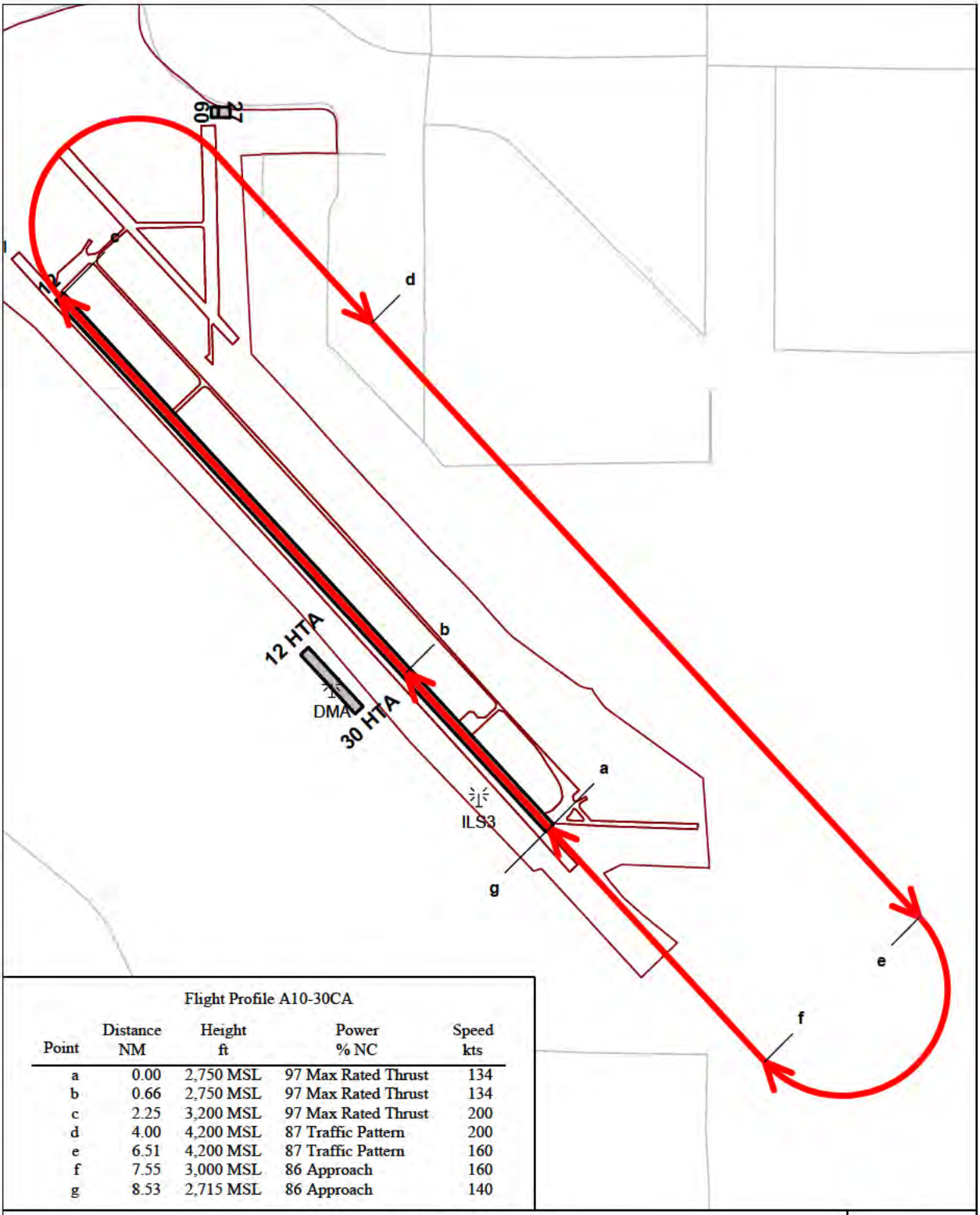
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	5,500 MSL	86 Normal Rated Thrust	250
b	25.00	4,200 MSL	86 Normal Rated Thrust	250
c	15.00	2,800 AGL	86 Approach	200
d	7.00	1,500 AGL	86 Approach	200
e	5.00	1,500 AGL	93 Approach	200
f	2.00	1,500 AGL	93 Approach	160
g	1.00	300 AGL	86 Approach	150
h	0.00	50 AGL	86 Approach	150

Flight Profile A10-30AG
Green Valley--355 FW

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000

Scale in Feet 1:290,000 (1 inch = 24,200 feet)

N



Flight Profile A10-30CA

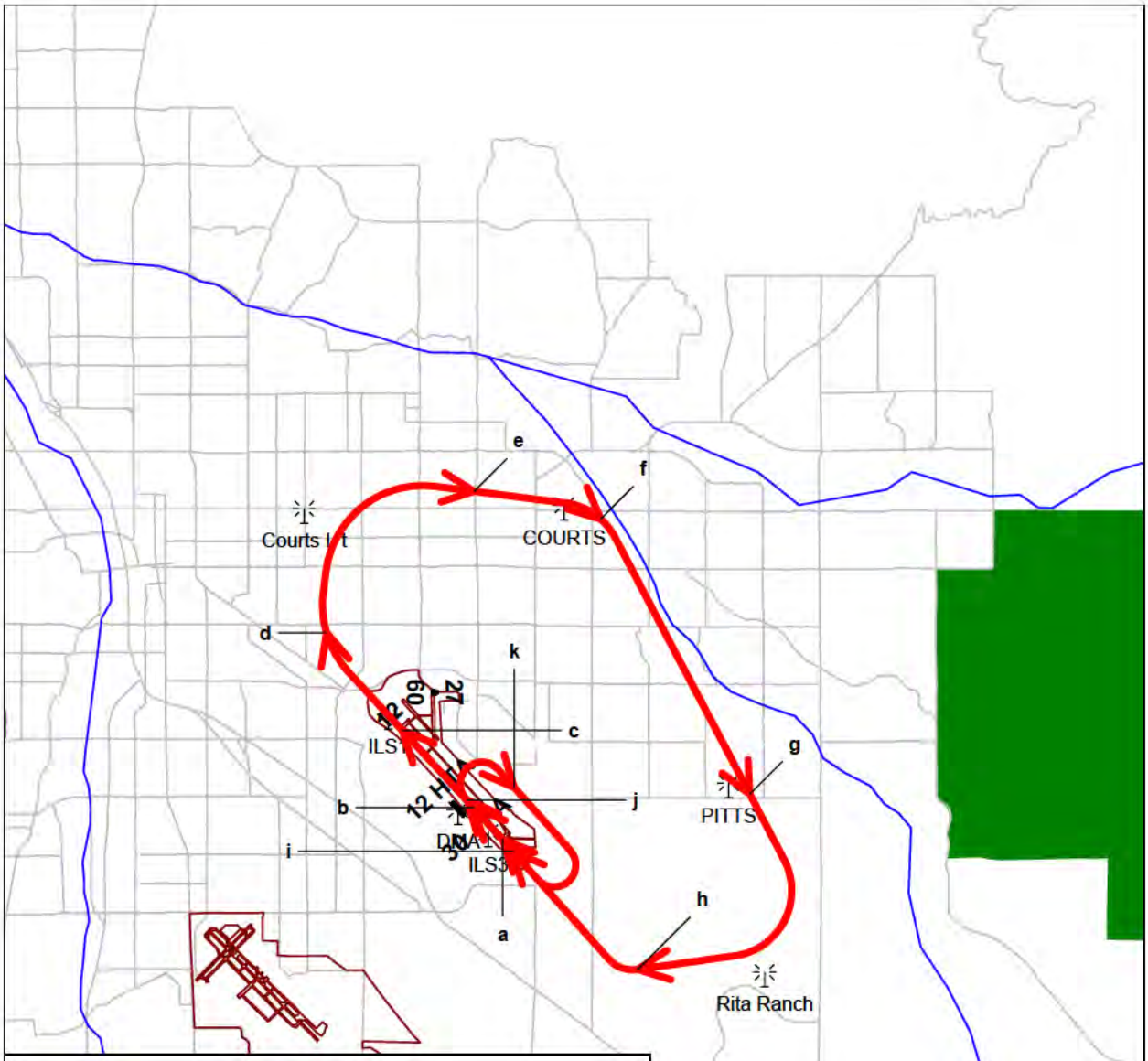
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	2,750 MSL	97 Max Rated Thrust	134
b	0.66	2,750 MSL	97 Max Rated Thrust	134
c	2.25	3,200 MSL	97 Max Rated Thrust	200
d	4.00	4,200 MSL	87 Traffic Pattern	200
e	6.51	4,200 MSL	87 Traffic Pattern	160
f	7.55	3,000 MSL	86 Approach	160
g	8.53	2,715 MSL	86 Approach	140

Flight Profile A10-30CA
VFR--355 FW

0 2,000 4,000 6,000 8,000 10,000

Scale in Feet 1:34,000 (1 inch = 2,840 feet)

N



Flight Profile A10-30CB

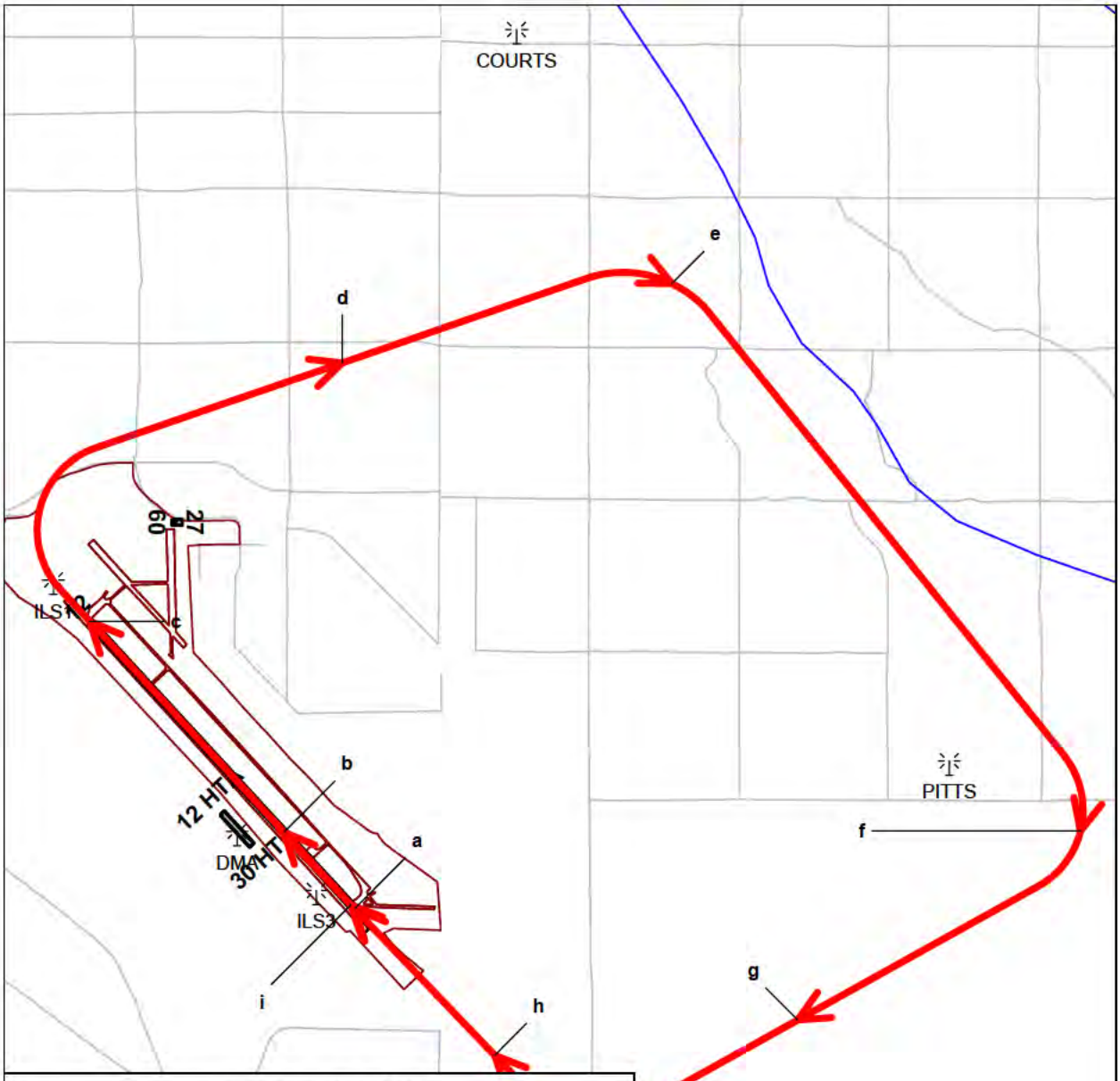
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	2,750 MSL	97 Max Rated Thrust	134
b	0.66	2,750 MSL	97 Max Rated Thrust	134
c	2.25	3,000 MSL	97 Max Rated Thrust	200
d	4.14	4,700 MSL	87 Traffic Pattern	250
e	8.00	5,500 MSL	93 Normal Rated Thrust	250
f	10.00	5,500 MSL	93 Normal Rated Thrust	250
g	14.74	4,900 MSL	93 Normal Rated Thrust	250
h	19.27	4,200 MSL	87 Traffic Pattern	200
i	21.95	4,200 MSL	86 Traffic Pattern	160
j	22.98	3,000 MSL	86 Approach	160
k	24.42	2,715 MSL	86 Approach	160

Flight Profile A10-30CB
COURTS RE-ENTRY--355 FW

0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:194,000 (1 inch = 16,200 feet)

N



Flight Profile A10-30CC

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	2,750 MSL	97 Max Rated Thrust	134
b	0.60	2,750 MSL	97 Max Rated Thrust	134
c	2.25	3,200 MSL	97 Max Rated Thrust	200
d	5.00	6,500 MSL	86 Approach	140
e	7.00	7,000 MSL	87 Traffic Pattern	250
f	11.00	7,000 MSL	87 Traffic Pattern	250
g	13.00	4,800 MSL	93 Normal Rated Thrust	200
h	15.00	3,000 MSL	86 Approach	160
i	16.20	2,715 MSL	86 Approach	140

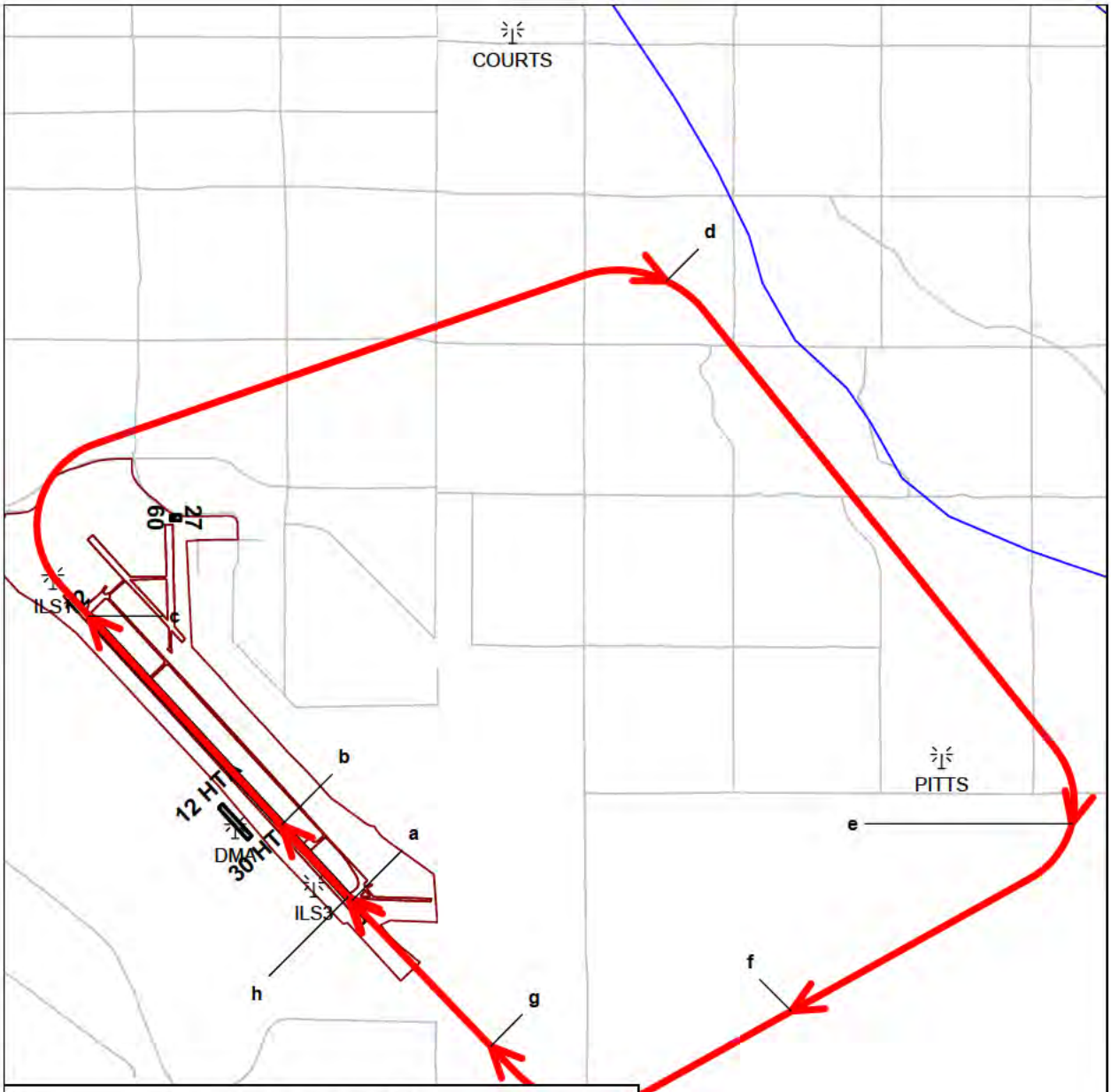
Flight Profile A10-30CC

Re-Run to TACAN, PAR, and Straight--355 FW

0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:72,000 (1 inch = 6,000 feet)

N



Flight Profile A10-30CD

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	2,750 MSL	97 Max Rated Thrust	134
b	0.60	2,750 MSL	97 Max Rated Thrust	134
c	2.25	3,200 MSL	97 Max Rated Thrust	200
d	7.00	12,000 MSL	87 Traffic Pattern	250
e	11.00	12,000 MSL	87 Traffic Pattern	250
f	13.00	5,500 MSL	93 Normal Rated Thrust	200
g	15.00	3,000 MSL	86 Approach	160
h	16.20	2,715 MSL	86 Approach	140

Flight Profile A10-30CD
Re-Run to High TACAN--355 FW

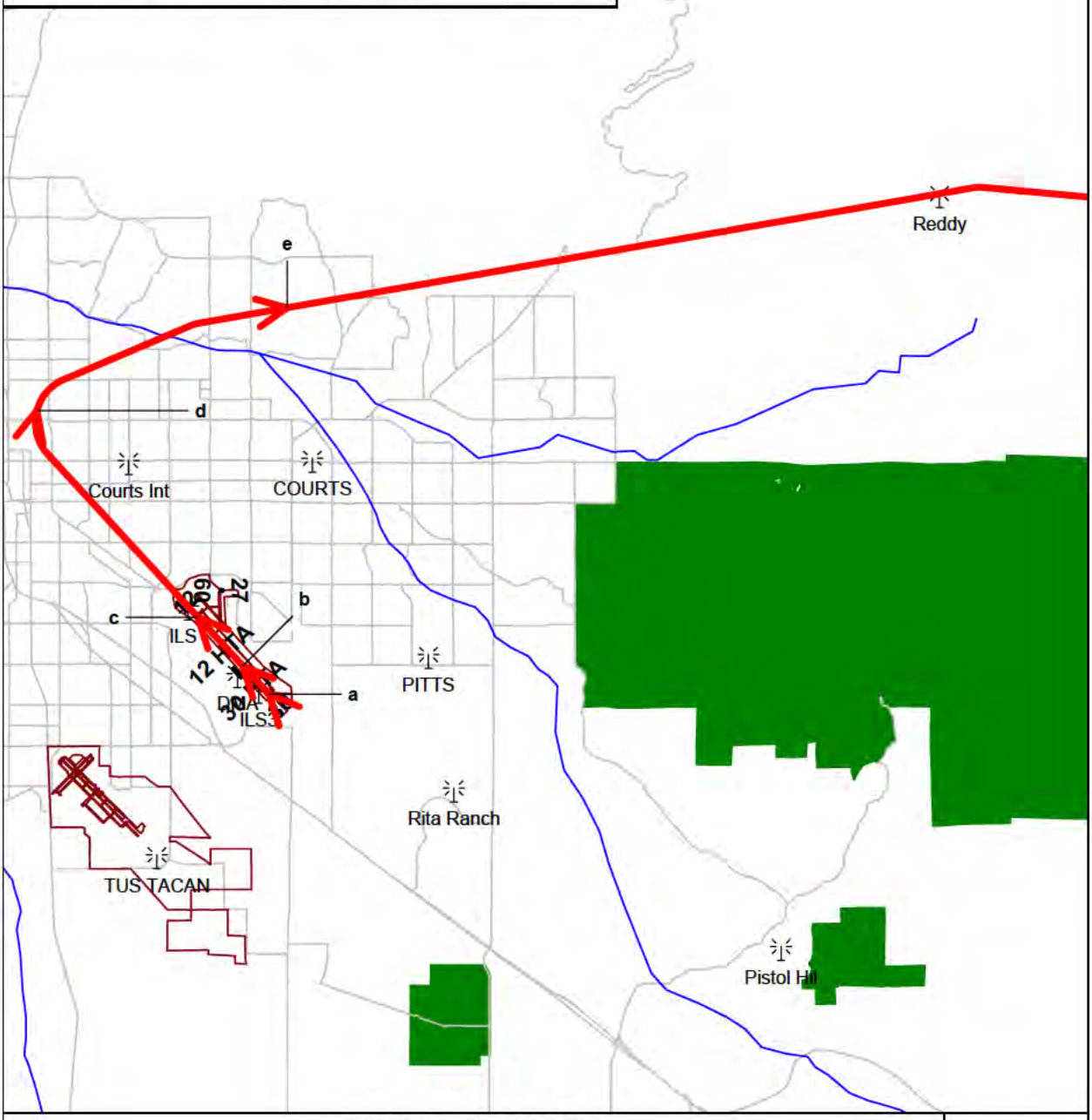
0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:72,000 (1 inch = 6,000 feet)

N

Flight Profile A10-30DA

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

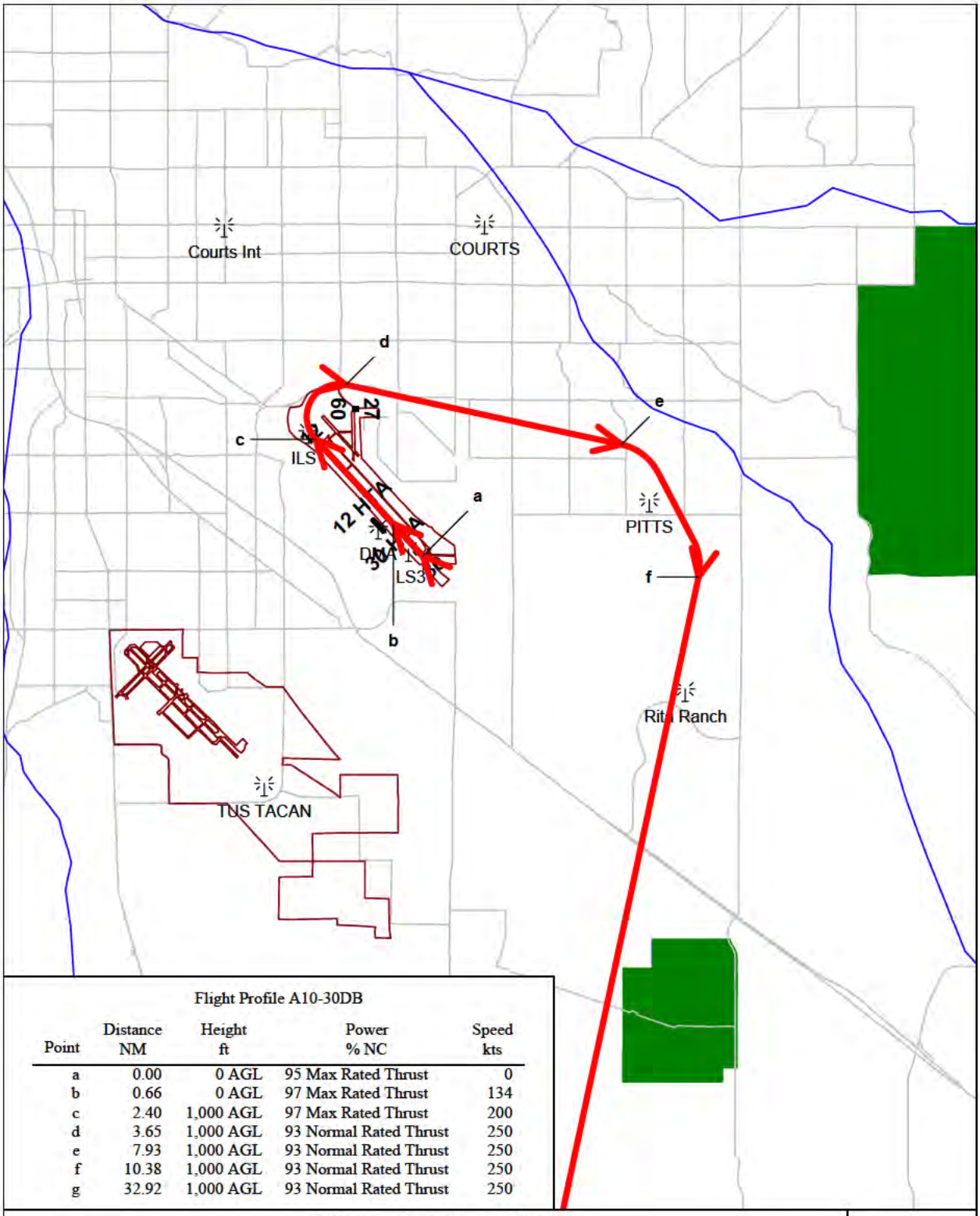


Flight Profile A10-30DA
TOMBSTONE--355 FW

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:262,000 (1 inch = 21,800 feet)

N



Flight Profile A10-30DB

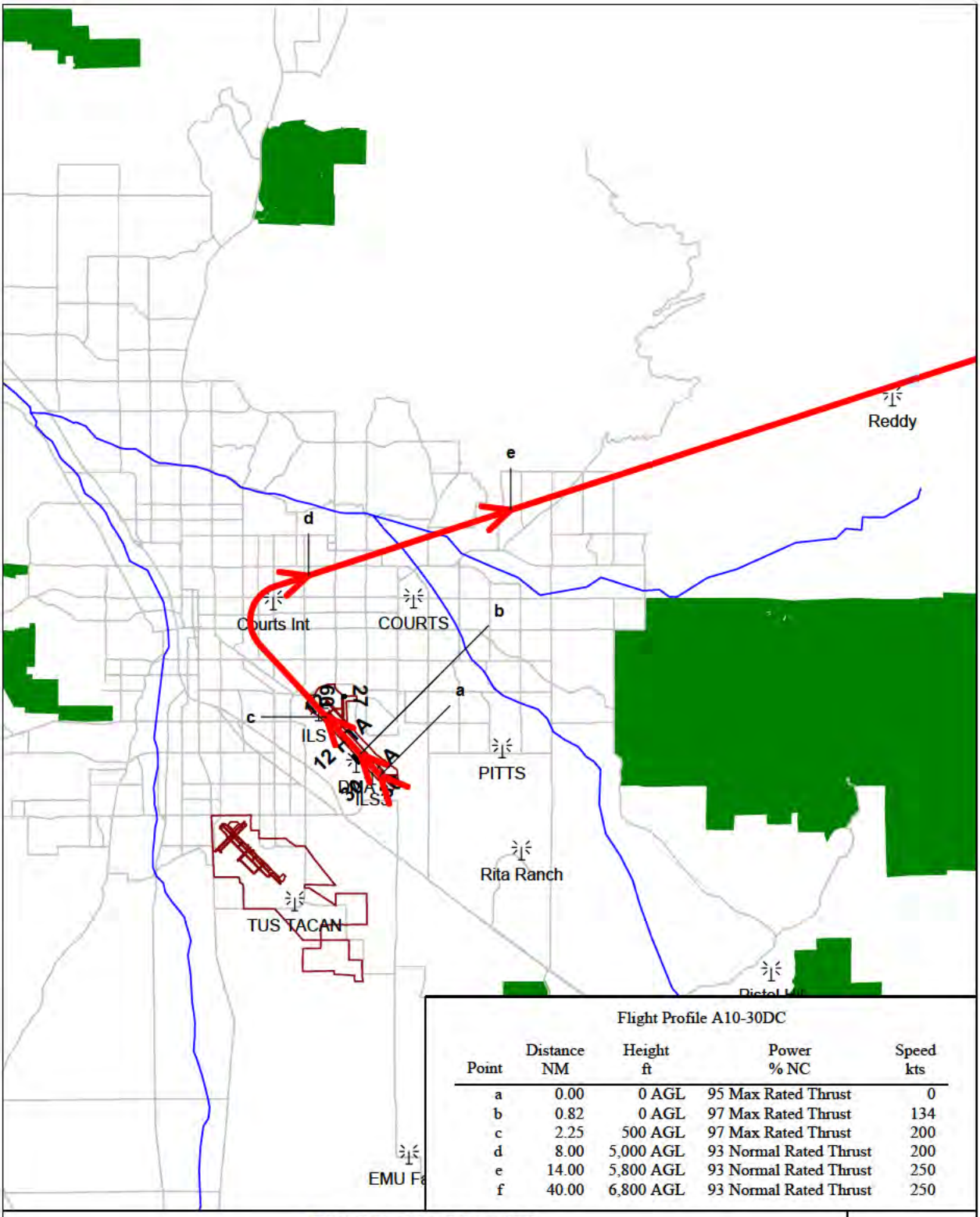
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.66	0 AGL	97 Max Rated Thrust	134
c	2.40	1,000 AGL	97 Max Rated Thrust	200
d	3.65	1,000 AGL	93 Normal Rated Thrust	250
e	7.93	1,000 AGL	93 Normal Rated Thrust	250
f	10.38	1,000 AGL	93 Normal Rated Thrust	250
g	32.92	1,000 AGL	93 Normal Rated Thrust	250

Flight Profile A10-30DB
FAIR GROUNDS--355 FW

0 10,000 20,000 30,000 40,000 50,000

Scale in Feet 1:166,000 (1 inch = 13,800 feet)

N



Flight Profile A10-30DC

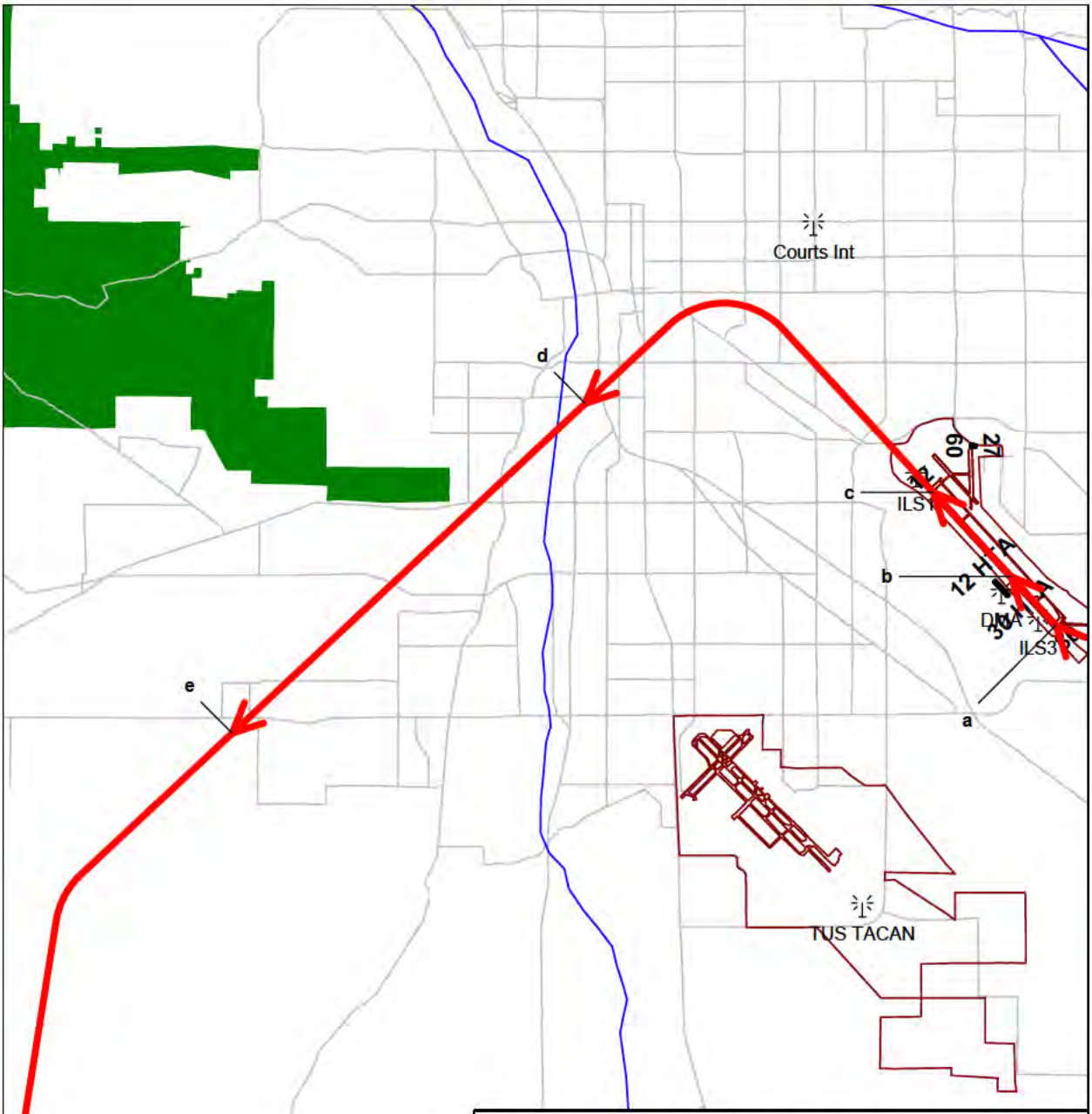
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-30DC
Reddy--355 FW

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000

Scale in Feet 1:308,000 (1 inch = 25,600 feet)

N



Flight Profile A10-30DD

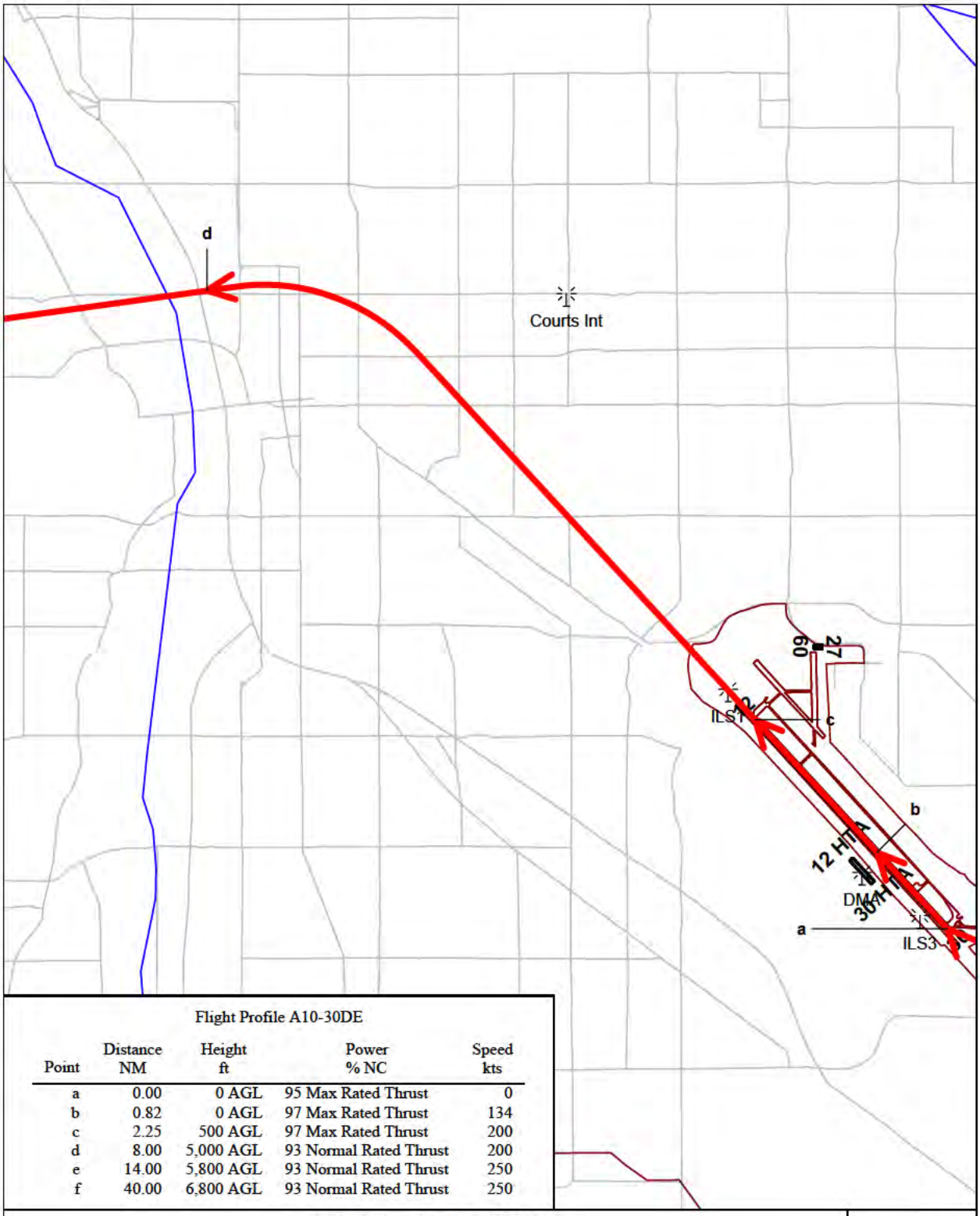
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-30DD
Tubac--355 FW

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:151,000 (1 inch = 12,600 feet)

N



Flight Profile A10-30DE

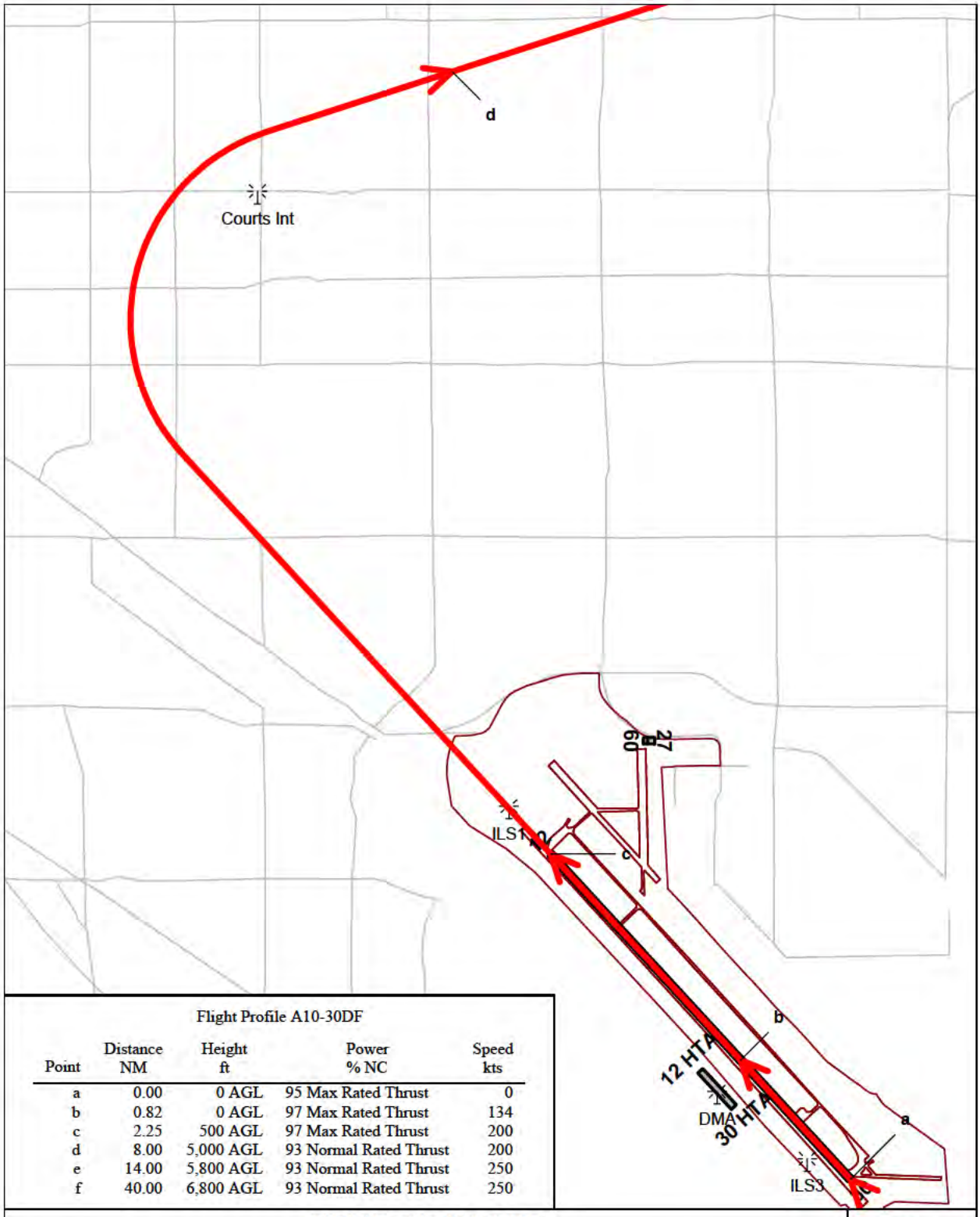
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-30DE
Kitt--355 FW

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:86,400 (1 inch = 7,200 feet)

N



Flight Profile A10-30DF

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-30DF
Jackal--355 FW

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:55,500 (1 inch = 4,620 feet)

N

Static Profile Details

Con 1 - Consumption--North A-10 Parking Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad North A-10 - North A-10 Parking Ramp
Heading 310 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
65 Idle	0.0021	0.00035	1200	1
92 Max Cont	0.0021	0.00035	600	1
95 Max Cont	0.0021	0.00035	900	1

Con 2 - Consumption--South A-10 Parking Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad South A-10 - South A-10 Parking Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
65 Idle	0.0021	0.00035	1200	1
92 Max Cont	0.0021	0.00035	600	1
95 Max Cont	0.0021	0.00035	900	1

Con 3 - Consumption--West Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad West Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
65 Idle	0.0019	0.0003	1200	1
92 Max Cont	0.0019	0.0003	600	1
95 Max Cont	0.0019	0.0003	900	1

Con 4 - Consumption--Trim Pad 2--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad Trim Pad 2
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
65 Idle	0.0019	0.0003	1200	1
92 Max Cont	0.0019	0.0003	600	1
95 Max Cont	0.0019	0.0003	900	1

Con 5 - Consumption--Trim Pad 3--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad Trim Pad 3
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
65 Idle	0.0069	0.0011	1200	1
92 Max Cont	0.0069	0.0011	600	1
95 Max Cont	0.0069	0.0011	900	1

FCF 1 - Hot/FCF Preflight Run North A-10 Parking Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad North A-10 - North A-10 Parking Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.01845	0.003	600	1
95 Takeoff	0.01845	0.003	600	1
64 Idle	0.01845	0.003	900	1

FCF 2 - Hot/FCF Preflight Run South A-10 Parking Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100

Suppressor NONE
Pad South A-10 - South A-10 Parking Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.01845	0.003	600	1
95 Takeoff	0.01845	0.003	600	1
64 Idle	0.01845	0.003	900	1

FCF 3 - Hot/FCF Preflight Run West Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad West Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0168	0.0027	600	1
95 Takeoff	0.0168	0.0027	600	1
64 Idle	0.0168	0.0027	900	1

FCF 4 - Hot/FCF Preflight Run Trim Pad 2--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad Trim Pad 2
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0168	0.0027	600	1
95 Takeoff	0.0168	0.0027	600	1
64 Idle	0.0168	0.0027	900	1

FCF 5 - Hot/FCF Preflight Run Trim Pad 3--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad Trim Pad 3
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0604	0.0098	600	1
95 Takeoff	0.0604	0.0098	600	1
64 Idle	0.0604	0.0098	900	1

Green Rn 1 - Green Run North A-10 Parking Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad North A-10 - North A-10 Parking Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.00635	0.00105	1260	1
70 Idle	0.00635	0.00105	30	1
91 Max Cont	0.00635	0.00105	300	1

Green Rn 2 - Green Run South A-10 Parking Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad South A-10 - South A-10 Parking Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.00635	0.00105	1260	1
70 Idle	0.00635	0.00105	30	1
91 Max Cont	0.00635	0.00105	300	1

Green Rn 3 - Green Run West Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad West Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0058	0.0009	1260	1
70 Idle	0.0058	0.0009	30	1
91 Max Cont	0.0058	0.0009	300	1

Green Rn 4 - Green Run Trim Pad 2--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100

Suppressor NONE
Pad Trim Pad 2
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0058	0.0009	1260	1
70 Idle	0.0058	0.0009	30	1
91 Max Cont	0.0058	0.0009	300	1

Green Rn 5 - Green Run Trim Pad 3--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad Trim Pad 3
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0207	0.0034	1260	1
70 Idle	0.0207	0.0034	30	1
91 Max Cont	0.0207	0.0034	300	1

Initial 1 - Initial/Certification Run North A-10 Parking Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad North A-10 - North A-10 Parking Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0132	0.00215	180	1
73 Idle	0.0132	0.00215	180	1
82 Idle	0.0132	0.00215	180	1
84 Idle	0.0132	0.00215	180	1
88 Idle	0.0132	0.00215	360	1
92 Max Cont	0.0132	0.00215	180	1
94 Takeoff	0.0132	0.00215	360	1

Initial 2 - Initial/Certification Run South A-10 Parking Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE

Pad South A-10 - South A-10 Parking Ramp
Heading 360 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0132	0.00215	180	1
73 Idle	0.0132	0.00215	180	1
82 Idle	0.0132	0.00215	180	1
84 Idle	0.0132	0.00215	180	1
88 Idle	0.0132	0.00215	360	1
92 Max Cont	0.0132	0.00215	180	1
94 Takeoff	0.0132	0.00215	360	1

Initial 3 - Initial/Certification Run West Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad West Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.012	0.002	180	1
73 Idle	0.012	0.002	180	1
82 Idle	0.012	0.002	180	1
84 Idle	0.012	0.002	180	1
88 Idle	0.012	0.002	360	1
92 Max Cont	0.012	0.002	180	1
94 Takeoff	0.012	0.002	360	1

Initial 4 - Initial/Certification Run Trim Pad 2--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad Trim Pad 2
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.012	0.002	180	1
73 Idle	0.012	0.002	180	1
82 Idle	0.012	0.002	180	1
84 Idle	0.012	0.002	180	1
88 Idle	0.012	0.002	360	1
92 Max Cont	0.012	0.002	180	1
94 Takeoff	0.012	0.002	360	1

Initial 5 - Initial/Certification Run Trim Pad 3--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad Trim Pad 2
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0431	0.007	180	1
73 Idle	0.0431	0.007	180	1
82 Idle	0.0431	0.007	180	1
84 Idle	0.0431	0.007	180	1
88 Idle	0.0431	0.007	360	1
92 Max Cont	0.0431	0.007	180	1
94 Takeoff	0.0431	0.007	360	1

Test Cell - C-130 Test Cell

Notes Power settings
Aircraft C-130H&N&P
Engine T56-A-15
Suppressor NONE
Pad Test Cell - Trim Pad 1/Test Cell
Heading 360 ° mag
Profile Segments

Power IN-LBS	Day Ops	Night Ops	Duration sec	Number Engines
1400 Idle	0.146	0	450	1
9000 Power Runup	0.146	0	200	1
16800 Takeoff	0.146	0	50	1

Test Cell - C-130 Test Cell Run

Notes Power setting taken from TIT & Torque Discrepancies
Aircraft C-130H&N&P
Engine T56-A-15
Suppressor NONE
Pad Test Cell - Trim Pad 1/Test Cell
Heading 360 ° mag
Profile Segments

Power IN-LBS	Day Ops	Night Ops	Duration sec	Number Engines
1200 Variable	0.146	0	156	1
3500 Variable	0.146	0	78	1
9000 Variable	0.146	0	313	1
16800 Variable	0.146	0	156	1

Trim Ck 1 - Trim Check North A-10 Parking Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad North A-10 - North A-10 Parking Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0116	0.0019	1260	2
70 Idle	0.0116	0.0019	30	2
91 Max Cont	0.0116	0.0019	300	2

Trim Ck 2 - Trim Check South A-10 Parking Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad South A-10 - South A-10 Parking Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0116	0.0019	1260	2
70 Idle	0.0116	0.0019	30	2
91 Max Cont	0.0116	0.0019	300	2

Trim Ck 3 - Trim Check West Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad West Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0105	0.0017	1260	2
70 Idle	0.0105	0.0017	30	2
91 Max Cont	0.0105	0.0017	300	2

Trim Ck 4 - Trim Check Trim Pad 2--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100

Suppressor NONE
Pad Trim Pad 2
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0105	0.0017	1260	2
70 Idle	0.0105	0.0017	30	2
91 Max Cont	0.0105	0.0017	300	2

Trim Ck 5 - Trim Check Trim Pad 3--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad Trim Pad 3
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0308	0.0062	1260	2
70 Idle	0.0308	0.0017	30	2
91 Max Cont	0.0308	0.0017	300	2

Vibe 2 - Vibe Run South A-10 Parking Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad South A-10 - South A-10 Parking Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0216	0.0035	480	1
91 Max Cont	0.0216	0.0035	420	1

Vibe 3 - Vibe Run West Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad West Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0197	0.0032	480	1
91 Max Cont	0.0197	0.0032	420	1

Vibe 4 - Vibe Run Trim Pad 2--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad Trim Pad 2
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0197	0.0032	480	1
91 Max Cont	0.0197	0.0032	420	1

Vibe 4 - Vibe Run Trim Pad 3--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad Trim Pad 2
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0708	0.0115	480	1
91 Max Cont	0.0708	0.0115	420	1

Vibe I - Vibe Run North A-10 Parking Ramp--355 FW

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad North A-10 - North A-10 Parking Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.0216	0.0035	480	1
91 Max Cont	0.0216	0.0035	420	1

ATTACHMENT 3

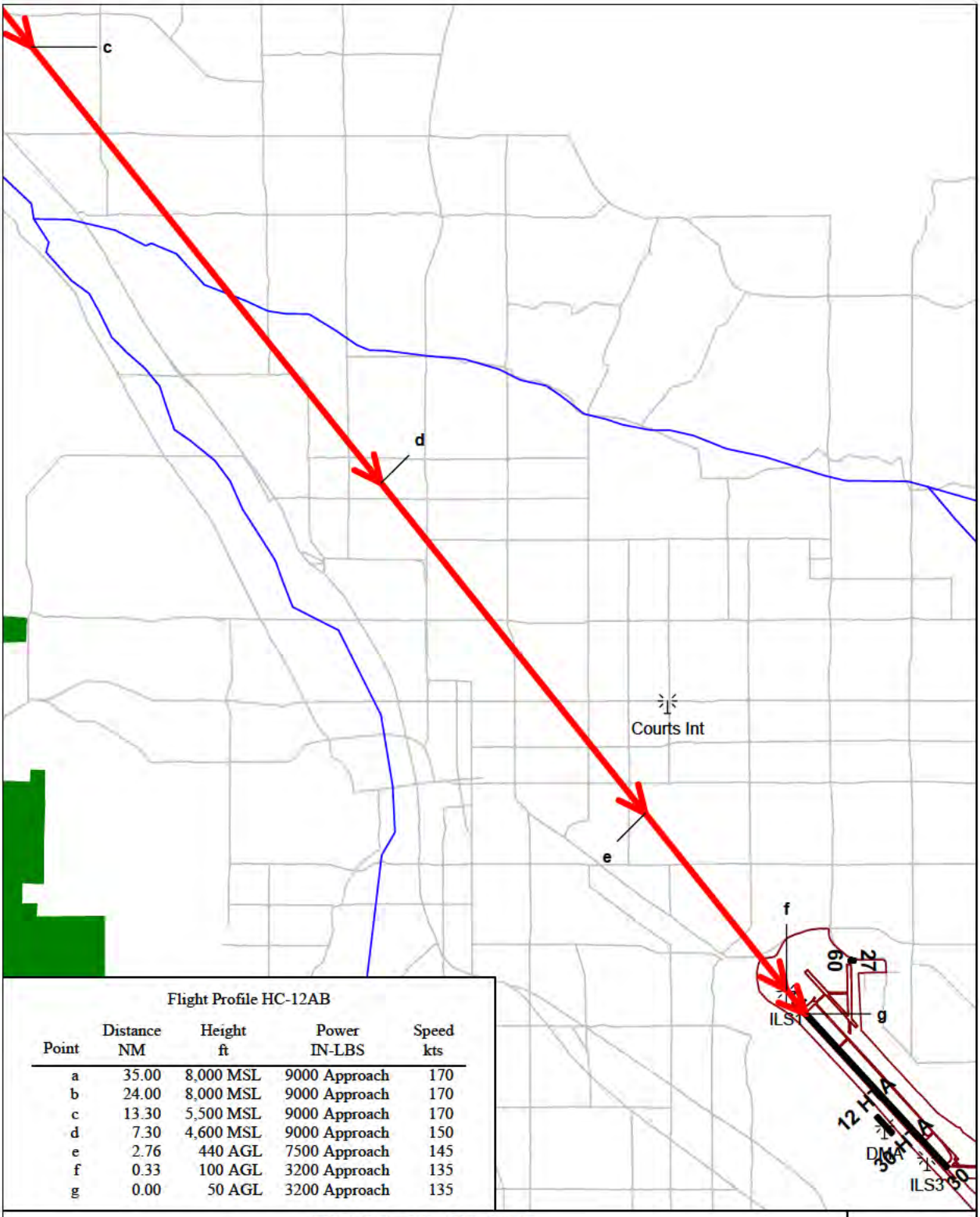
563 RG SUMMARY DATA

2007 AICUZ Re-Validation 07/30/07

563 RG Flight Profile Operations Summary

2:04 PM
Monday, September 24, 2007
BaseOps 7.3

Maps of Flight Profiles



Flight Profile HC-12AB

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	35.00	8,000 MSL	9000 Approach	170
b	24.00	8,000 MSL	9000 Approach	170
c	13.30	5,500 MSL	9000 Approach	170
d	7.30	4,600 MSL	9000 Approach	150
e	2.76	440 AGL	7500 Approach	145
f	0.33	100 AGL	3200 Approach	135
g	0.00	50 AGL	3200 Approach	135

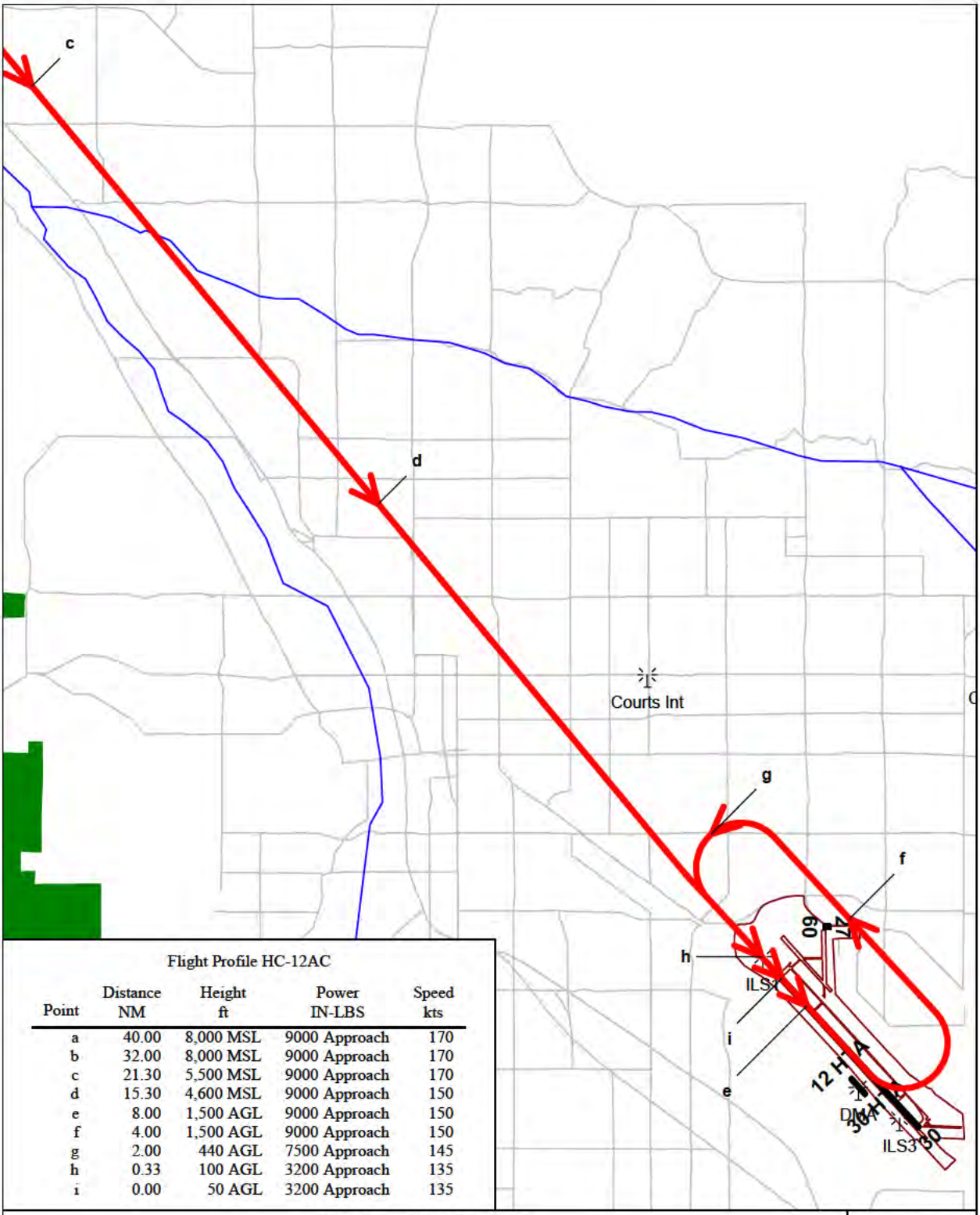
Flight Profile HC-12AB

VFR, ILS/PAR, and TACAN--563 RG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:118,000 (1 inch = 9,800 feet)

N



Flight Profile HC-12AC

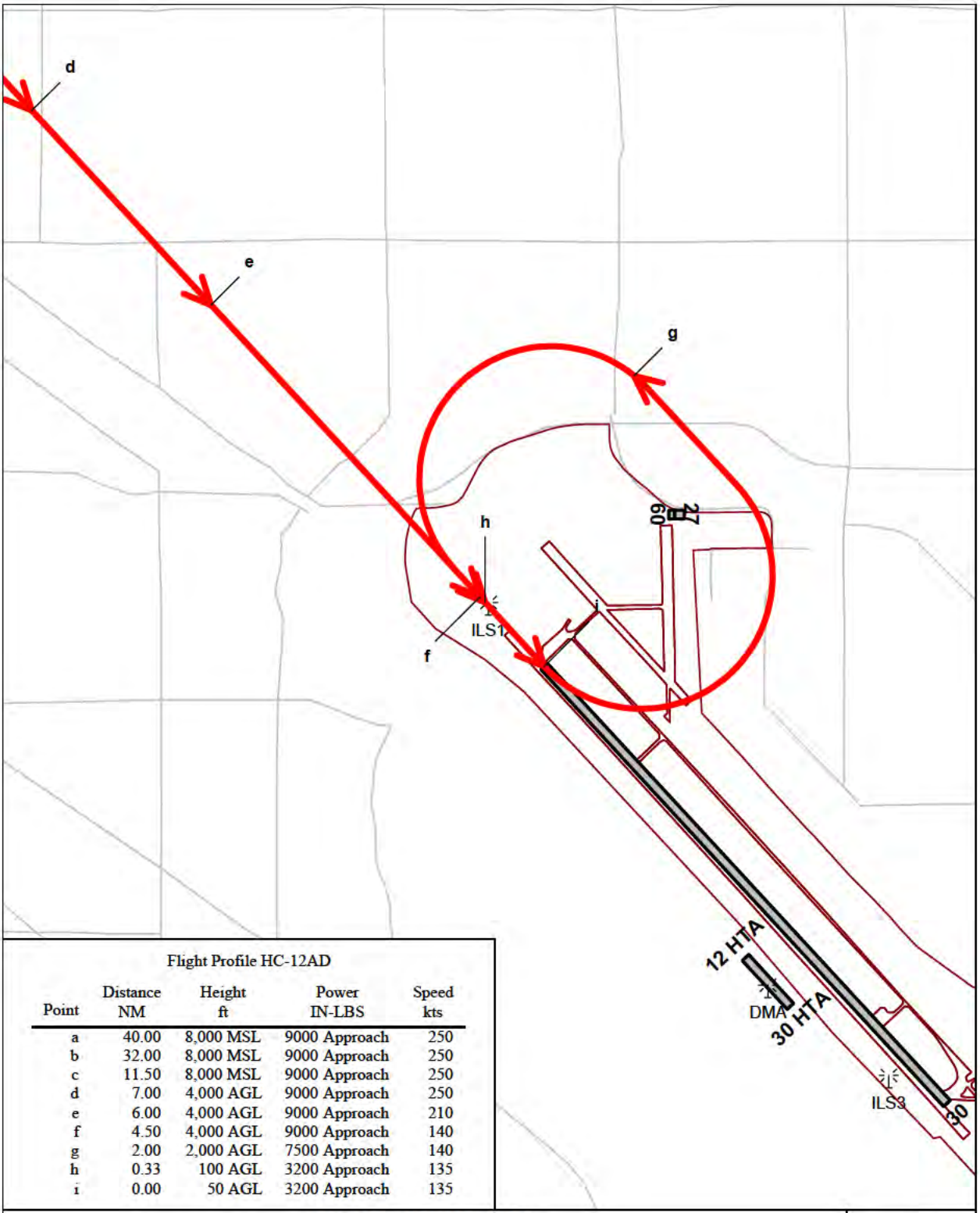
Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	40.00	8,000 MSL	9000 Approach	170
b	32.00	8,000 MSL	9000 Approach	170
c	21.30	5,500 MSL	9000 Approach	170
d	15.30	4,600 MSL	9000 Approach	150
e	8.00	1,500 AGL	9000 Approach	150
f	4.00	1,500 AGL	9000 Approach	150
g	2.00	440 AGL	7500 Approach	145
h	0.33	100 AGL	3200 Approach	135
i	0.00	50 AGL	3200 Approach	135

Flight Profile HC-12AC
VFR overhead--563 RG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:121,000 (1 inch = 10,100 feet)

N



Flight Profile HC-12AD

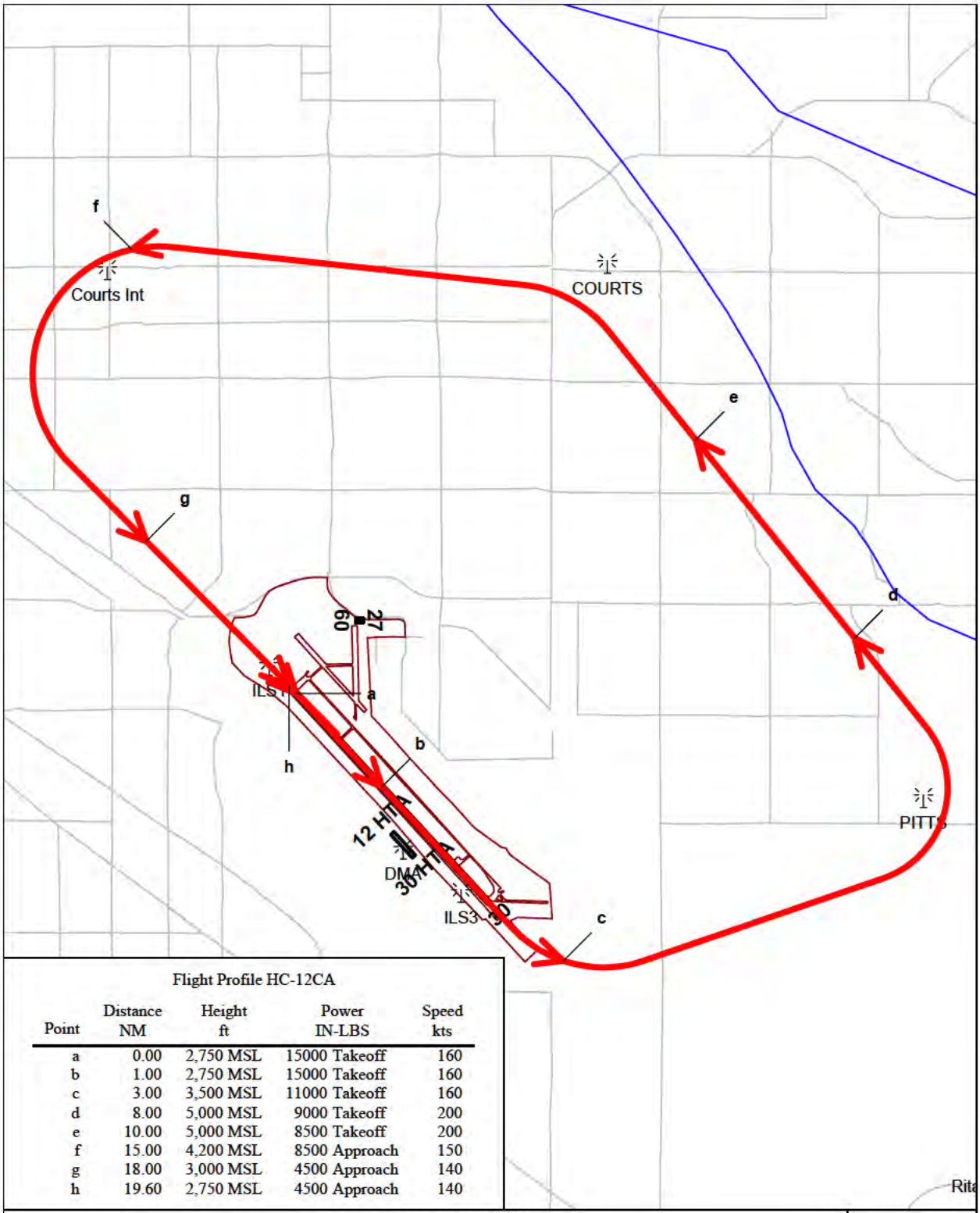
Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	40.00	8,000 MSL	9000 Approach	250
b	32.00	8,000 MSL	9000 Approach	250
c	11.50	8,000 MSL	9000 Approach	250
d	7.00	4,000 AGL	9000 Approach	250
e	6.00	4,000 AGL	9000 Approach	210
f	4.50	4,000 AGL	9000 Approach	140
g	2.00	2,000 AGL	7500 Approach	140
h	0.33	100 AGL	3200 Approach	135
i	0.00	50 AGL	3200 Approach	135

Flight Profile HC-12AD
Random Steep--563 RG

0 2,000 4,000 6,000 8,000 10,000 12,000

Scale in Feet 1:41,400 (1 inch = 3,450 feet)

N



Flight Profile HC-12CA

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	2,750 MSL	15000 Takeoff	160
b	1.00	2,750 MSL	15000 Takeoff	160
c	3.00	3,500 MSL	11000 Takeoff	160
d	8.00	5,000 MSL	9000 Takeoff	200
e	10.00	5,000 MSL	8500 Takeoff	200
f	15.00	4,200 MSL	8500 Approach	150
g	18.00	3,000 MSL	4500 Approach	140
h	19.60	2,750 MSL	4500 Approach	140

Flight Profile HC-12CA

Re-entry--563 RG

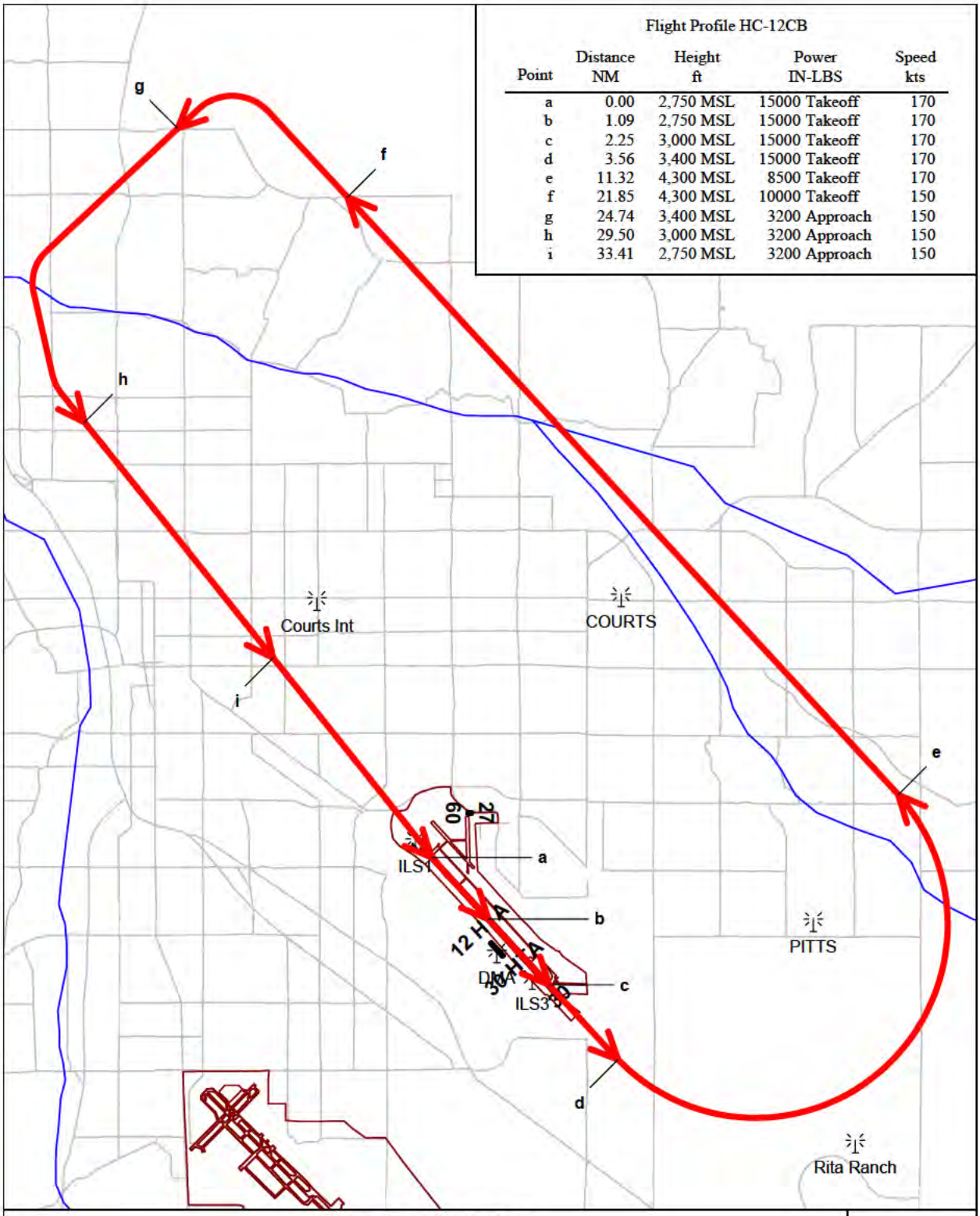
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:86,300 (1 inch = 7,190 feet)

N

Flight Profile HC-12CB

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	2,750 MSL	15000 Takeoff	170
b	1.09	2,750 MSL	15000 Takeoff	170
c	2.25	3,000 MSL	15000 Takeoff	170
d	3.56	3,400 MSL	15000 Takeoff	170
e	11.32	4,300 MSL	8500 Takeoff	170
f	21.85	4,300 MSL	10000 Takeoff	150
g	24.74	3,400 MSL	3200 Approach	150
h	29.50	3,000 MSL	3200 Approach	150
i	33.41	2,750 MSL	3200 Approach	150



Flight Profile HC-12CB
PAR/Tacan--563 RG

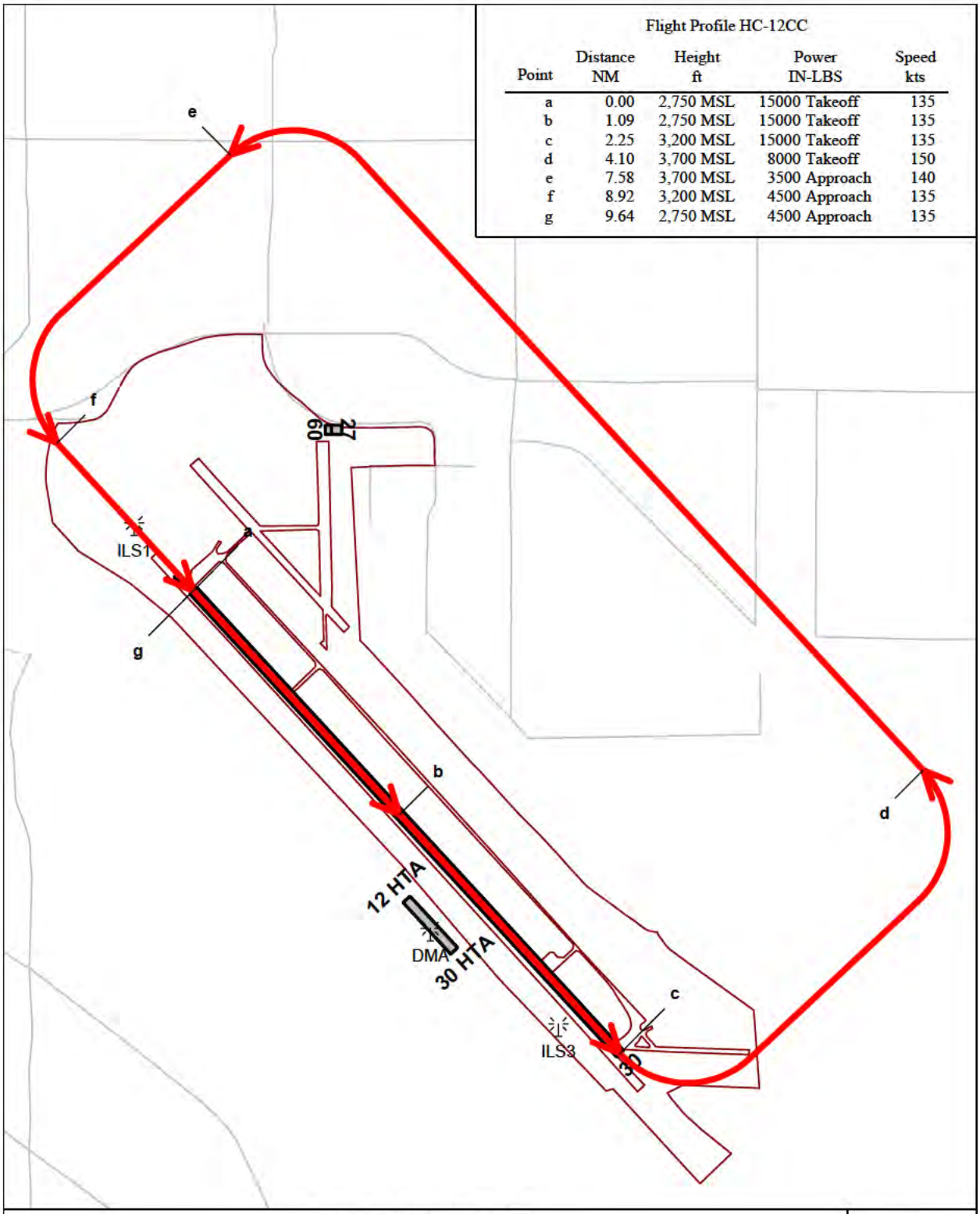
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000

Scale in Feet 1:142,000 (1 inch = 11,800 feet)

N

Flight Profile HC-12CC

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	2,750 MSL	15000 Takeoff	135
b	1.09	2,750 MSL	15000 Takeoff	135
c	2.25	3,200 MSL	15000 Takeoff	135
d	4.10	3,700 MSL	8000 Takeoff	150
e	7.58	3,700 MSL	3500 Approach	140
f	8.92	3,200 MSL	4500 Approach	135
g	9.64	2,750 MSL	4500 Approach	135

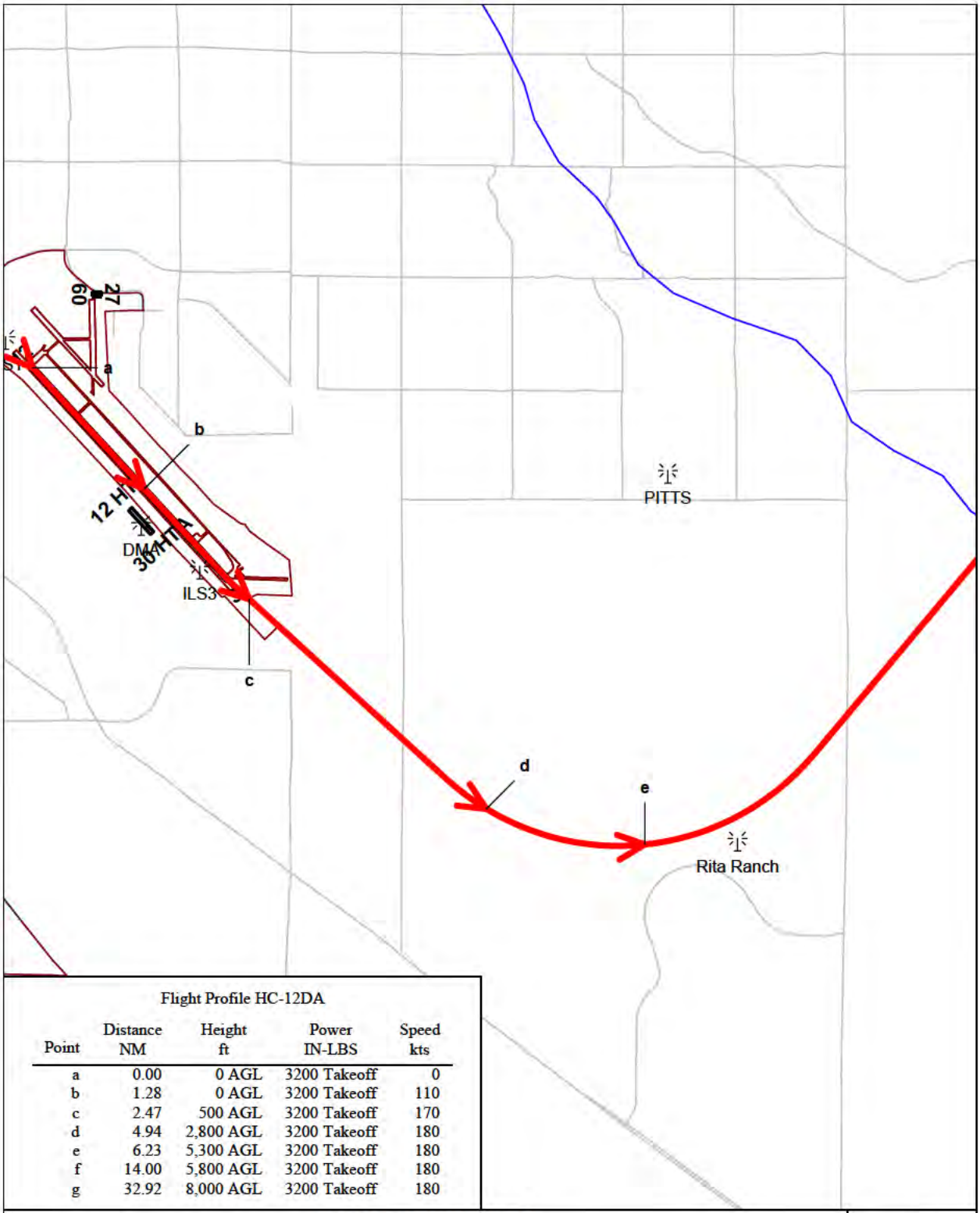


Flight Profile HC-12CC
VFR rectangle--563 RG

0 2,000 4,000 6,000 8,000 10,000 12,000

Scale in Feet 1:39,000 (1 inch = 3,250 feet)

N



Flight Profile HC-12DA

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	0 AGL	3200 Takeoff	0
b	1.28	0 AGL	3200 Takeoff	110
c	2.47	500 AGL	3200 Takeoff	170
d	4.94	2,800 AGL	3200 Takeoff	180
e	6.23	5,300 AGL	3200 Takeoff	180
f	14.00	5,800 AGL	3200 Takeoff	180
g	32.92	8,000 AGL	3200 Takeoff	180

Flight Profile HC-12DA

VFR North and Reddy--563 RG

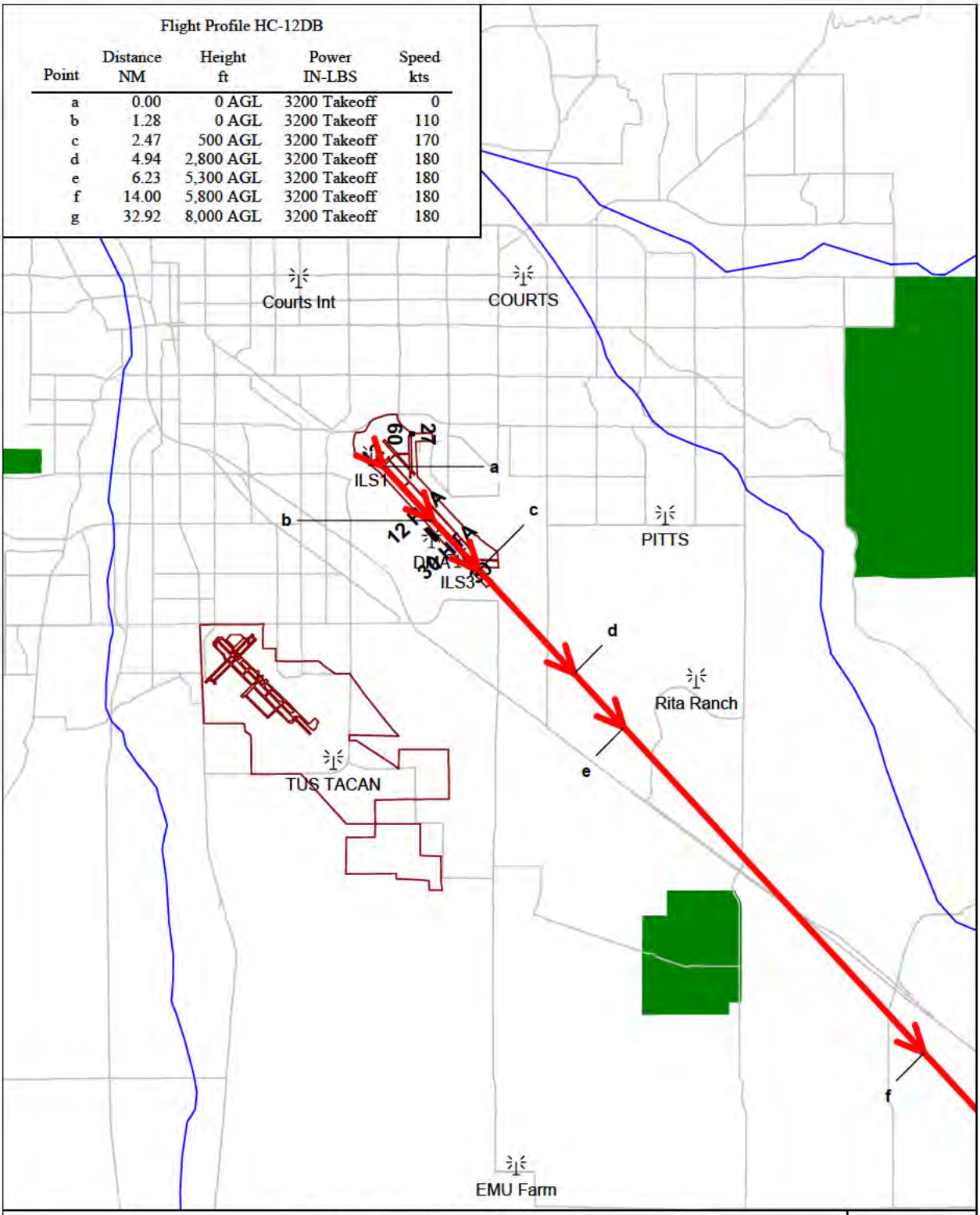
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:85,200 (1 inch = 7,100 feet)

N

Flight Profile HC-12DB

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	0 AGL	3200 Takeoff	0
b	1.28	0 AGL	3200 Takeoff	110
c	2.47	500 AGL	3200 Takeoff	170
d	4.94	2,800 AGL	3200 Takeoff	180
e	6.23	5,300 AGL	3200 Takeoff	180
f	14.00	5,800 AGL	3200 Takeoff	180
g	32.92	8,000 AGL	3200 Takeoff	180



Flight Profile HC-12DB
VFR South--563 RG

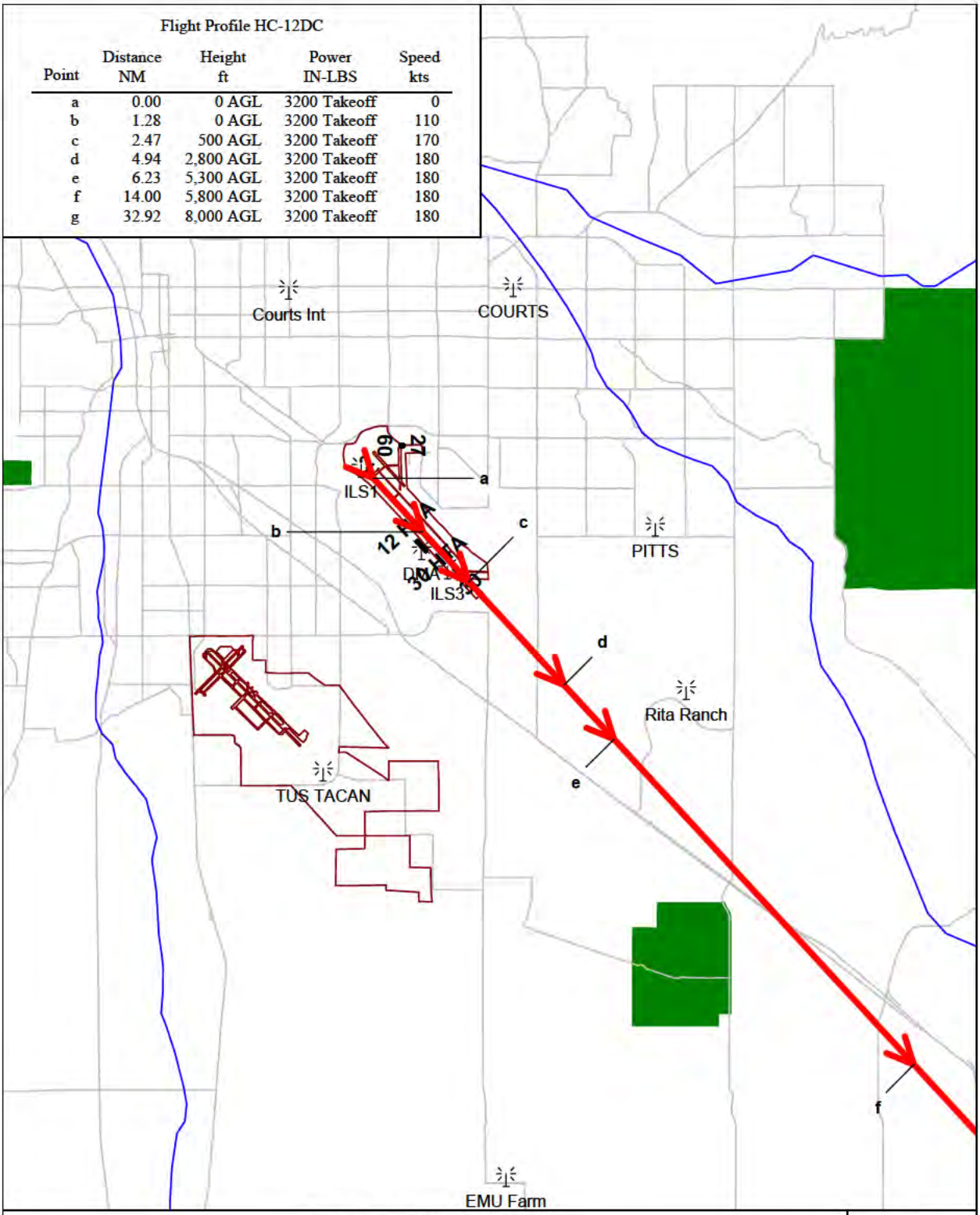
0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:192,000 (1 inch = 16,000 feet)

N

Flight Profile HC-12DC

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	0 AGL	3200 Takeoff	0
b	1.28	0 AGL	3200 Takeoff	110
c	2.47	500 AGL	3200 Takeoff	170
d	4.94	2,800 AGL	3200 Takeoff	180
e	6.23	5,300 AGL	3200 Takeoff	180
f	14.00	5,800 AGL	3200 Takeoff	180
g	32.92	8,000 AGL	3200 Takeoff	180



Flight Profile HC-12DC
DMA 3--563 RG

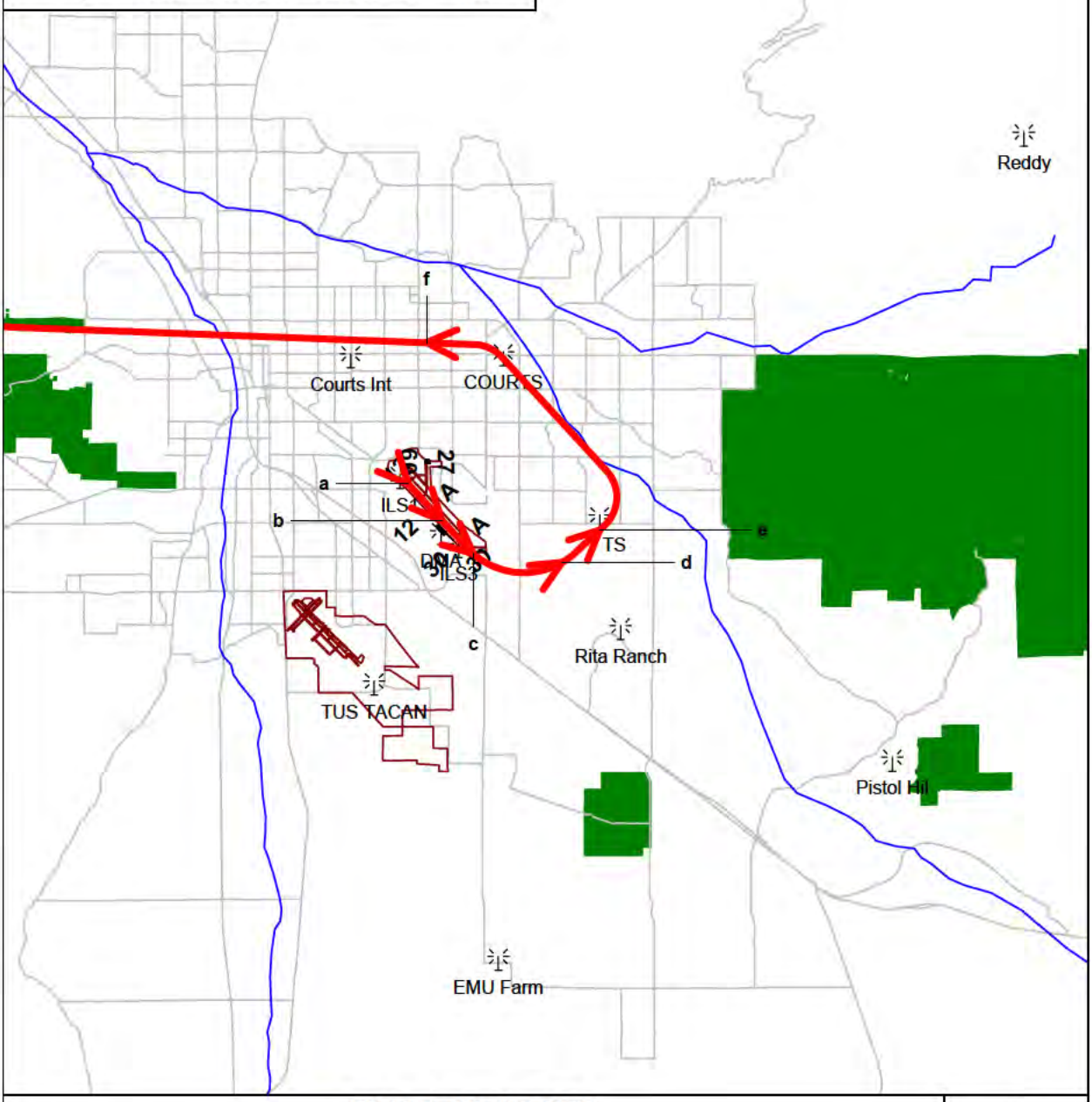
0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:192,000 (1 inch = 16,000 feet)

N

Flight Profile HC-12DD

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	0 AGL	3200 Takeoff	0
b	1.28	0 AGL	3200 Takeoff	110
c	2.47	500 AGL	3200 Takeoff	170
d	4.94	2,800 AGL	3200 Takeoff	180
e	6.23	5,300 AGL	3200 Takeoff	180
f	14.00	5,800 AGL	3200 Takeoff	180
g	32.92	8,000 AGL	3200 Takeoff	180

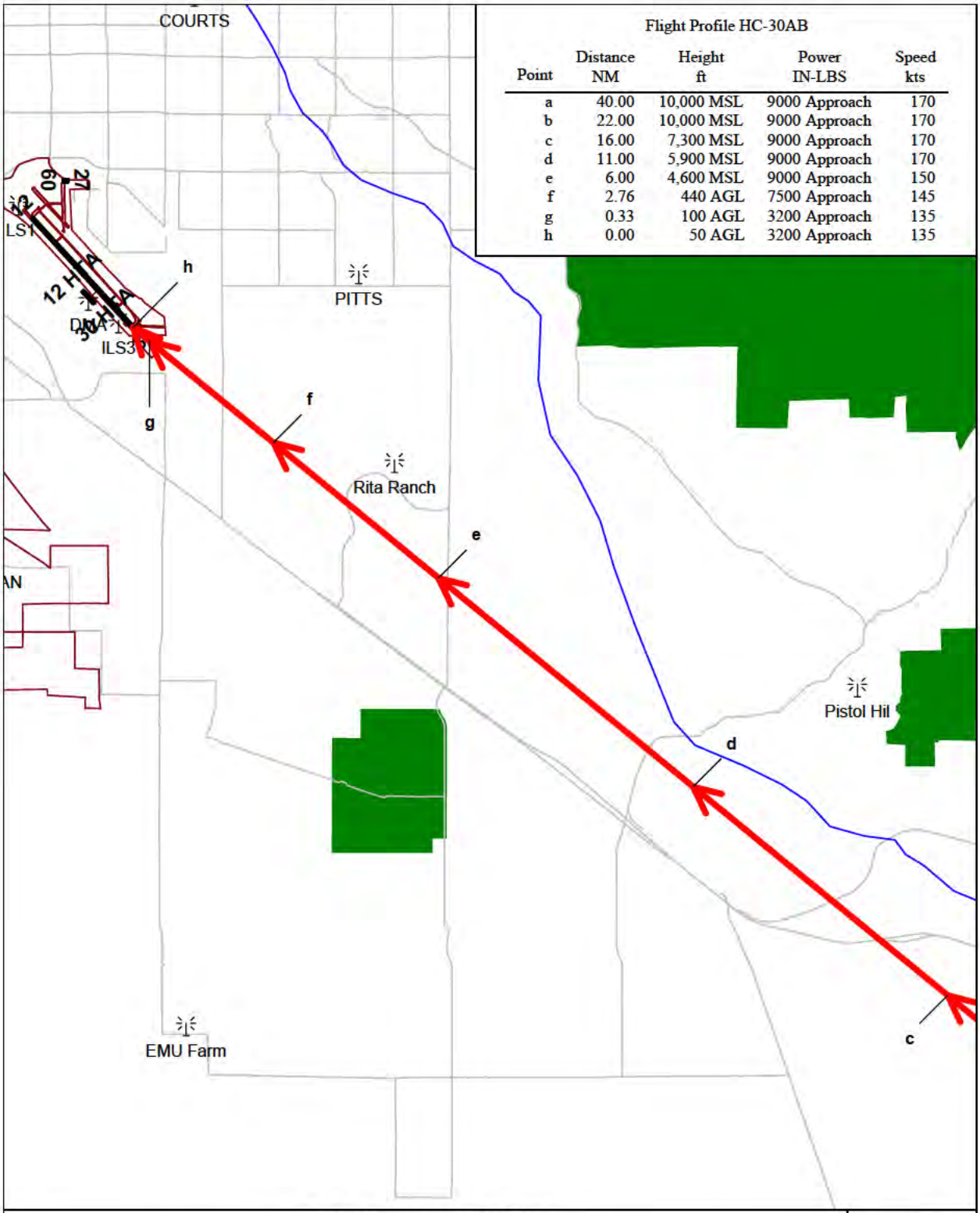


Flight Profile HC-12DD
Herk--563 RG

0 20,000 40,000 60,000 80,000 100,000

Scale in Feet 1:315,000 (1 inch = 26,300 feet)

N



Flight Profile HC-30AB

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	40.00	10,000 MSL	9000 Approach	170
b	22.00	10,000 MSL	9000 Approach	170
c	16.00	7,300 MSL	9000 Approach	170
d	11.00	5,900 MSL	9000 Approach	170
e	6.00	4,600 MSL	9000 Approach	150
f	2.76	440 AGL	7500 Approach	145
g	0.33	100 AGL	3200 Approach	135
h	0.00	50 AGL	3200 Approach	135

Flight Profile HC-30AB
VFR and TACAN--563 RG

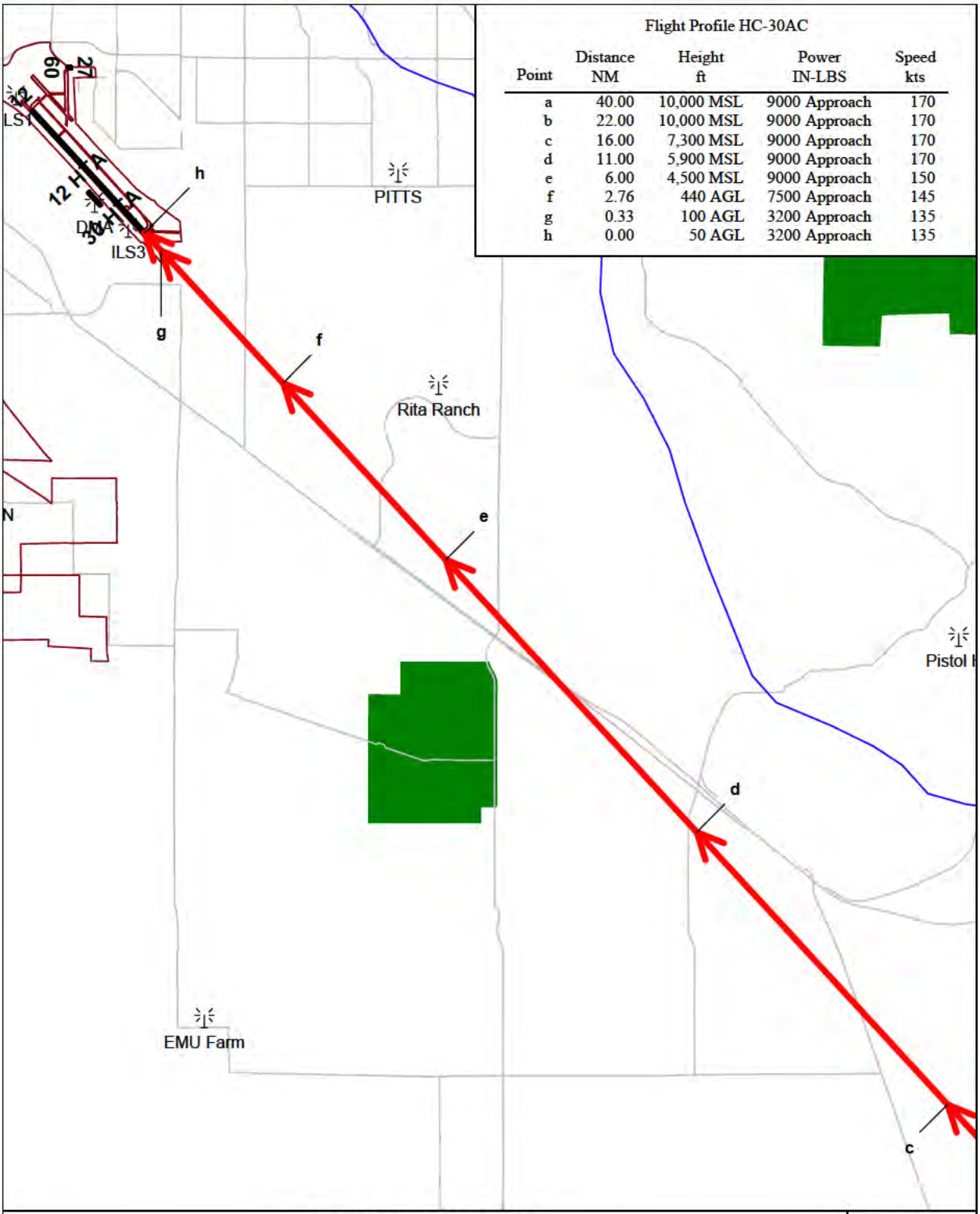
0 10,000 20,000 30,000 40,000 50,000

Scale in Feet 1:166,000 (1 inch = 13,800 feet)

N

Flight Profile HC-30AC

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	40.00	10,000 MSL	9000 Approach	170
b	22.00	10,000 MSL	9000 Approach	170
c	16.00	7,300 MSL	9000 Approach	170
d	11.00	5,900 MSL	9000 Approach	170
e	6.00	4,500 MSL	9000 Approach	150
f	2.76	440 AGL	7500 Approach	145
g	0.33	100 AGL	3200 Approach	135
h	0.00	50 AGL	3200 Approach	135

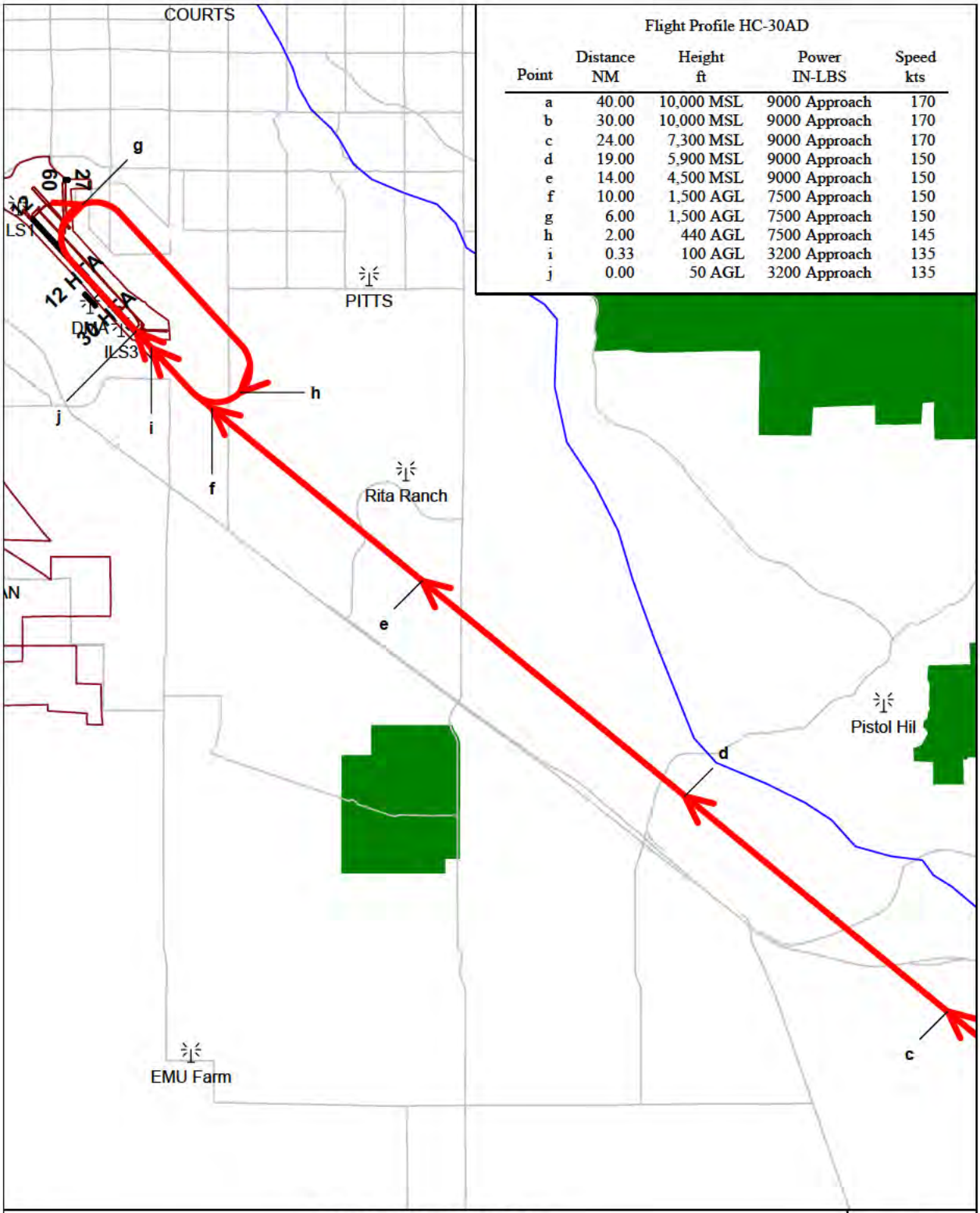


Flight Profile HC-30AC
ILS/PAR--563 RG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:148,000 (1 inch = 12,300 feet)

N



Flight Profile HC-30AD

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	40.00	10,000 MSL	9000 Approach	170
b	30.00	10,000 MSL	9000 Approach	170
c	24.00	7,300 MSL	9000 Approach	170
d	19.00	5,900 MSL	9000 Approach	150
e	14.00	4,500 MSL	9000 Approach	150
f	10.00	1,500 AGL	7500 Approach	150
g	6.00	1,500 AGL	7500 Approach	150
h	2.00	440 AGL	7500 Approach	145
i	0.33	100 AGL	3200 Approach	135
j	0.00	50 AGL	3200 Approach	135

Flight Profile HC-30AD
VFR overhead--563 RG

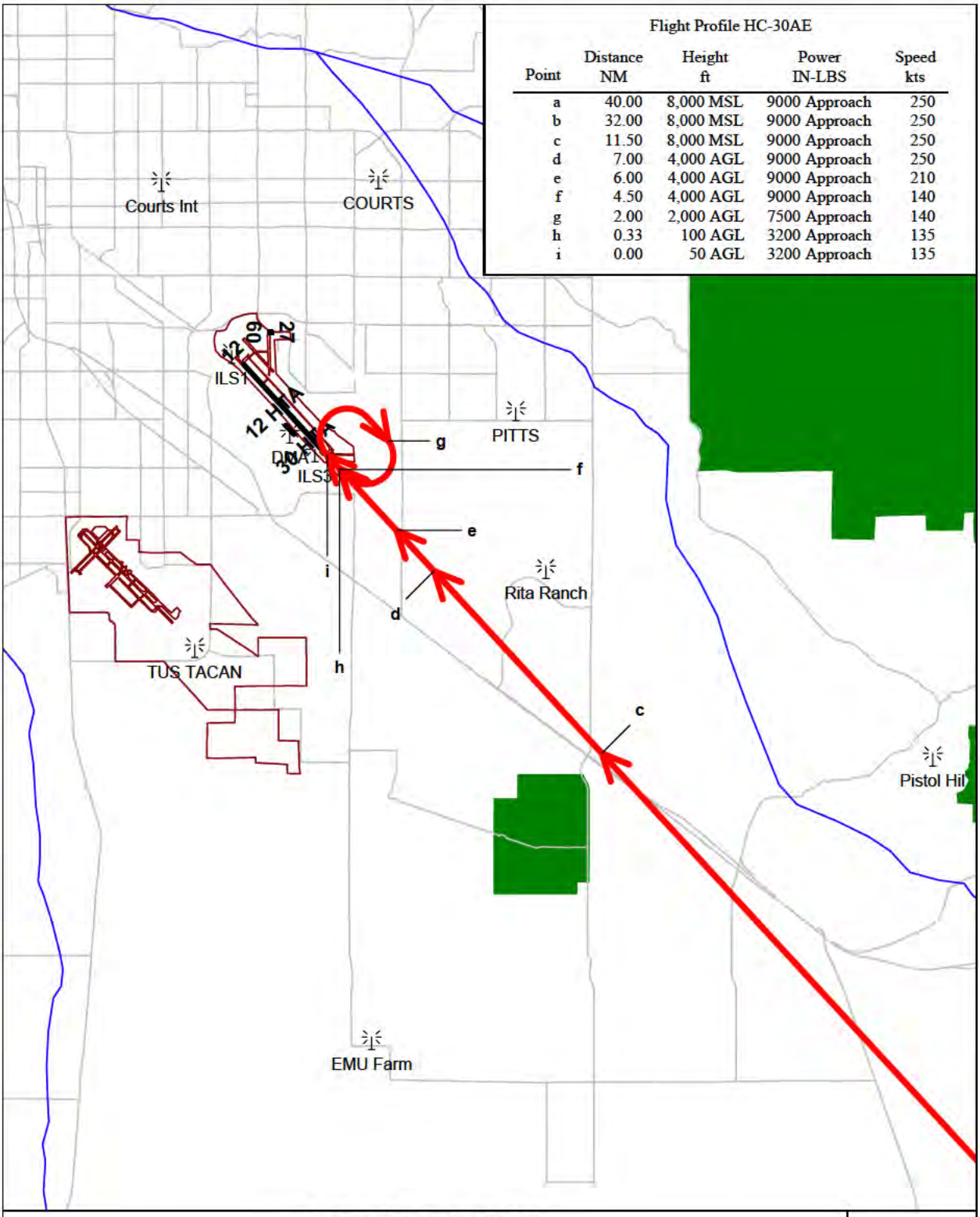
0 10,000 20,000 30,000 40,000 50,000

Scale in Feet 1:161,000 (1 inch = 13,400 feet)

N

Flight Profile HC-30AE

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	40.00	8,000 MSL	9000 Approach	250
b	32.00	8,000 MSL	9000 Approach	250
c	11.50	8,000 MSL	9000 Approach	250
d	7.00	4,000 AGL	9000 Approach	250
e	6.00	4,000 AGL	9000 Approach	210
f	4.50	4,000 AGL	9000 Approach	140
g	2.00	2,000 AGL	7500 Approach	140
h	0.33	100 AGL	3200 Approach	135
i	0.00	50 AGL	3200 Approach	135



Flight Profile HC-30AE
Random Steep--563 RG

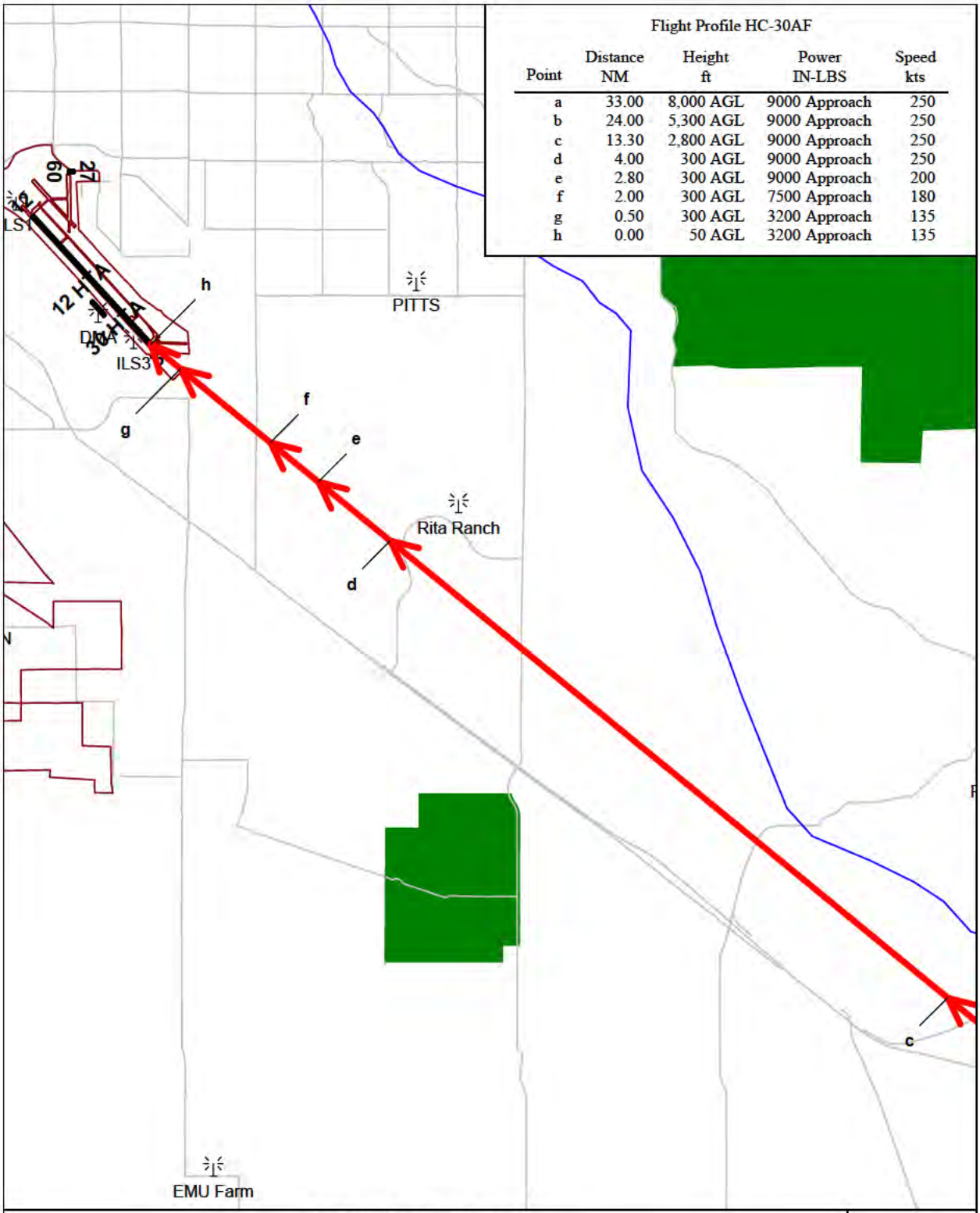
0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:199,000 (1 inch = 16,600 feet)

N

Flight Profile HC-30AF

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	33.00	8,000 AGL	9000 Approach	250
b	24.00	5,300 AGL	9000 Approach	250
c	13.30	2,800 AGL	9000 Approach	250
d	4.00	300 AGL	9000 Approach	250
e	2.80	300 AGL	9000 Approach	200
f	2.00	300 AGL	7500 Approach	180
g	0.50	300 AGL	3200 Approach	135
h	0.00	50 AGL	3200 Approach	135

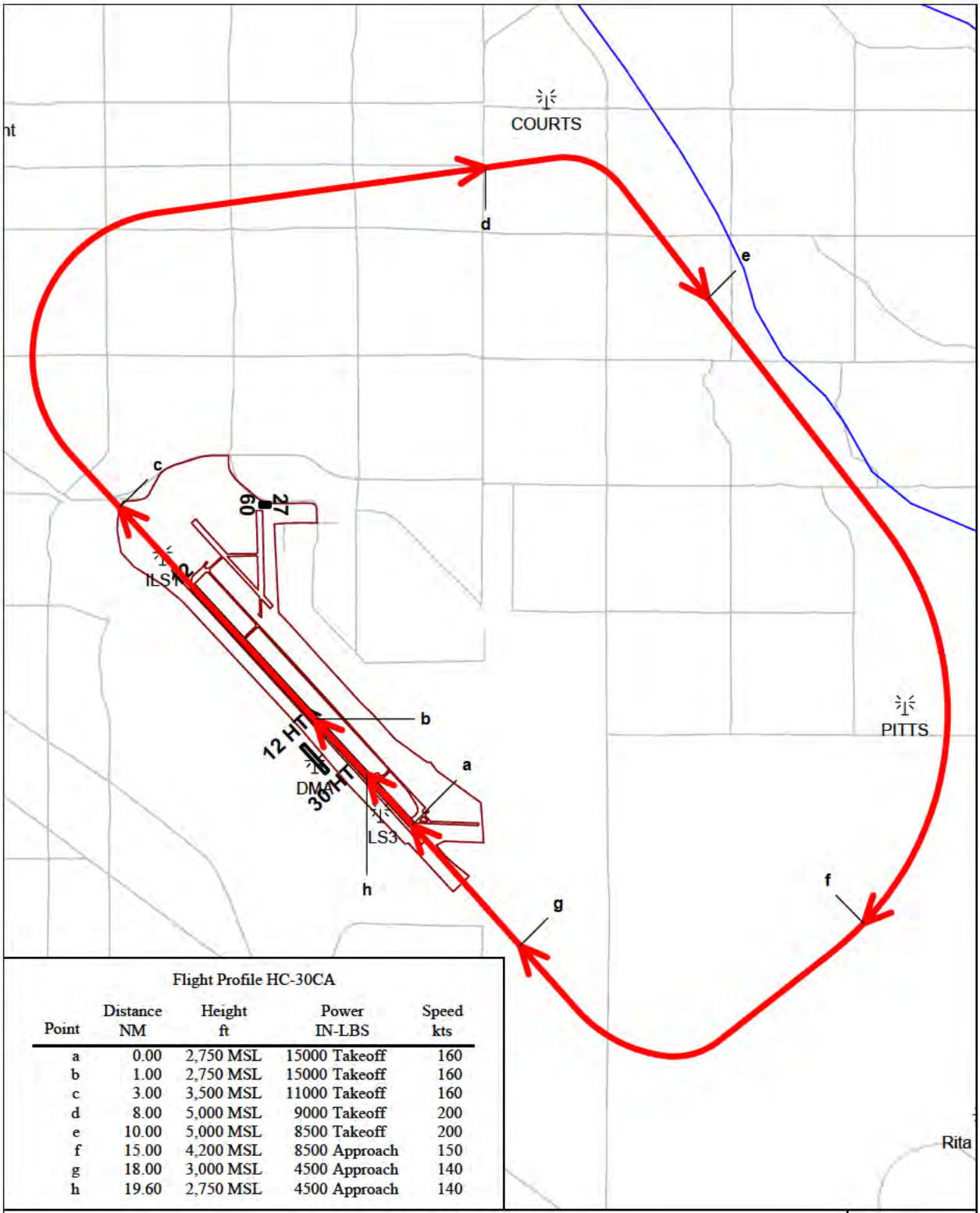


Flight Profile HC-30AF
Random Shallow--563 RG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000

Scale in Feet 1:141,000 (1 inch = 11,800 feet)

N



Flight Profile HC-30CA

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	2,750 MSL	15000 Takeoff	160
b	1.00	2,750 MSL	15000 Takeoff	160
c	3.00	3,500 MSL	11000 Takeoff	160
d	8.00	5,000 MSL	9000 Takeoff	200
e	10.00	5,000 MSL	8500 Takeoff	200
f	15.00	4,200 MSL	8500 Approach	150
g	18.00	3,000 MSL	4500 Approach	140
h	19.60	2,750 MSL	4500 Approach	140

Flight Profile HC-30CA
Re-entry--563 RG

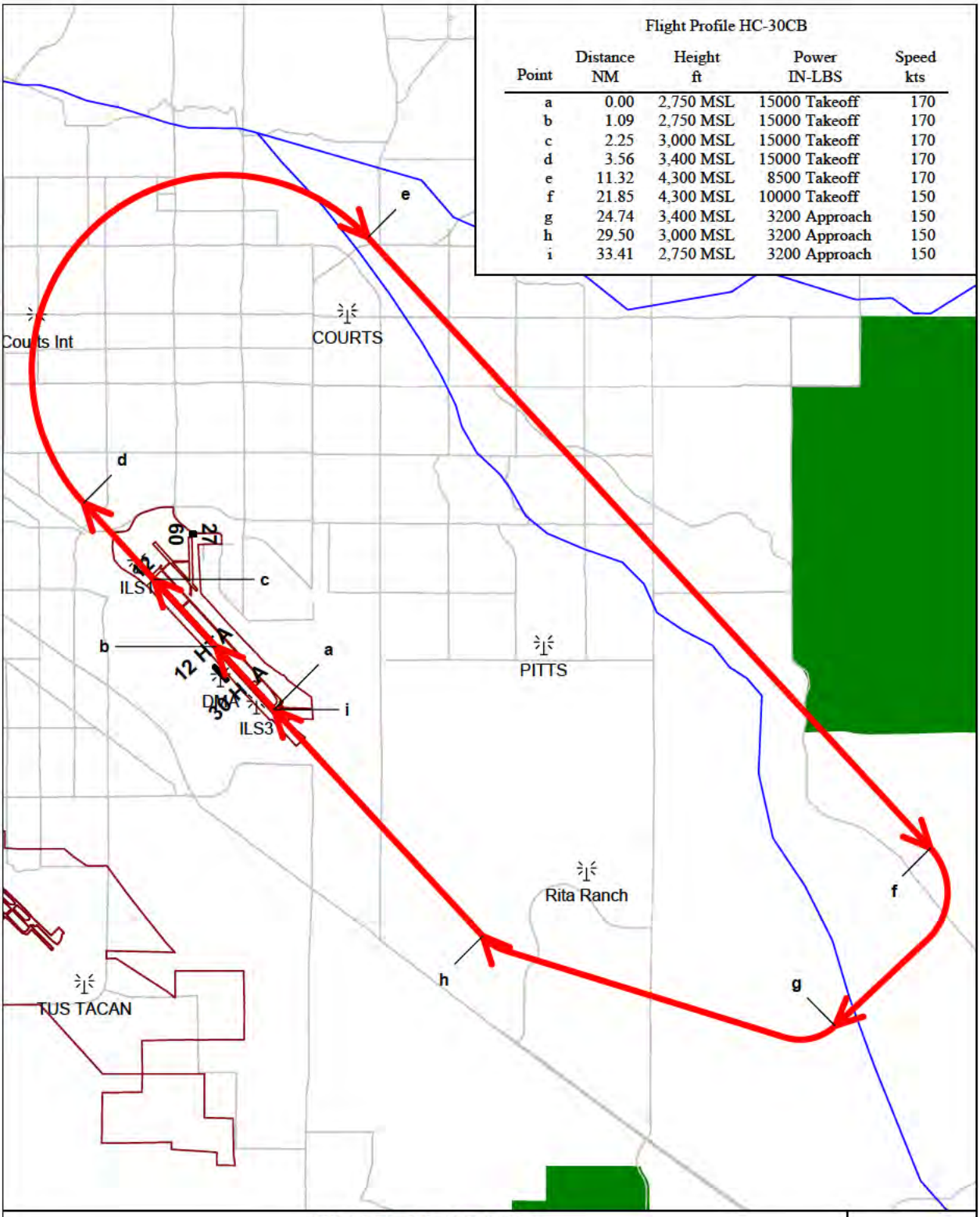
0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:76,000 (1 inch = 6,340 feet)

N

Flight Profile HC-30CB

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	2,750 MSL	15000 Takeoff	170
b	1.09	2,750 MSL	15000 Takeoff	170
c	2.25	3,000 MSL	15000 Takeoff	170
d	3.56	3,400 MSL	15000 Takeoff	170
e	11.32	4,300 MSL	8500 Takeoff	170
f	21.85	4,300 MSL	10000 Takeoff	150
g	24.74	3,400 MSL	3200 Approach	150
h	29.50	3,000 MSL	3200 Approach	150
i	33.41	2,750 MSL	3200 Approach	150

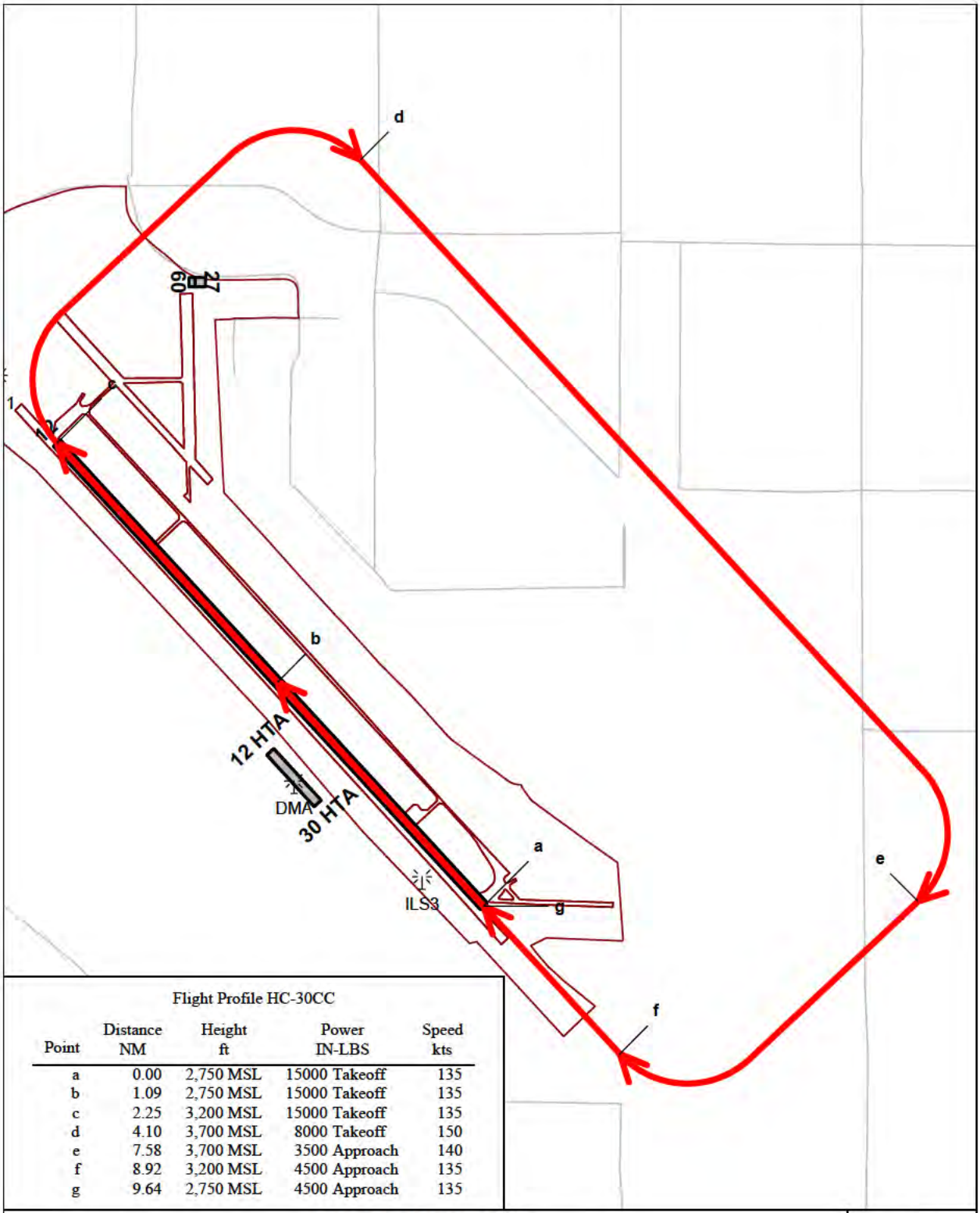


Flight Profile HC-30CB
PAR/Tacan--563 RG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000

Scale in Feet 1:139,000 (1 inch = 11,600 feet)

N



Flight Profile HC-30CC

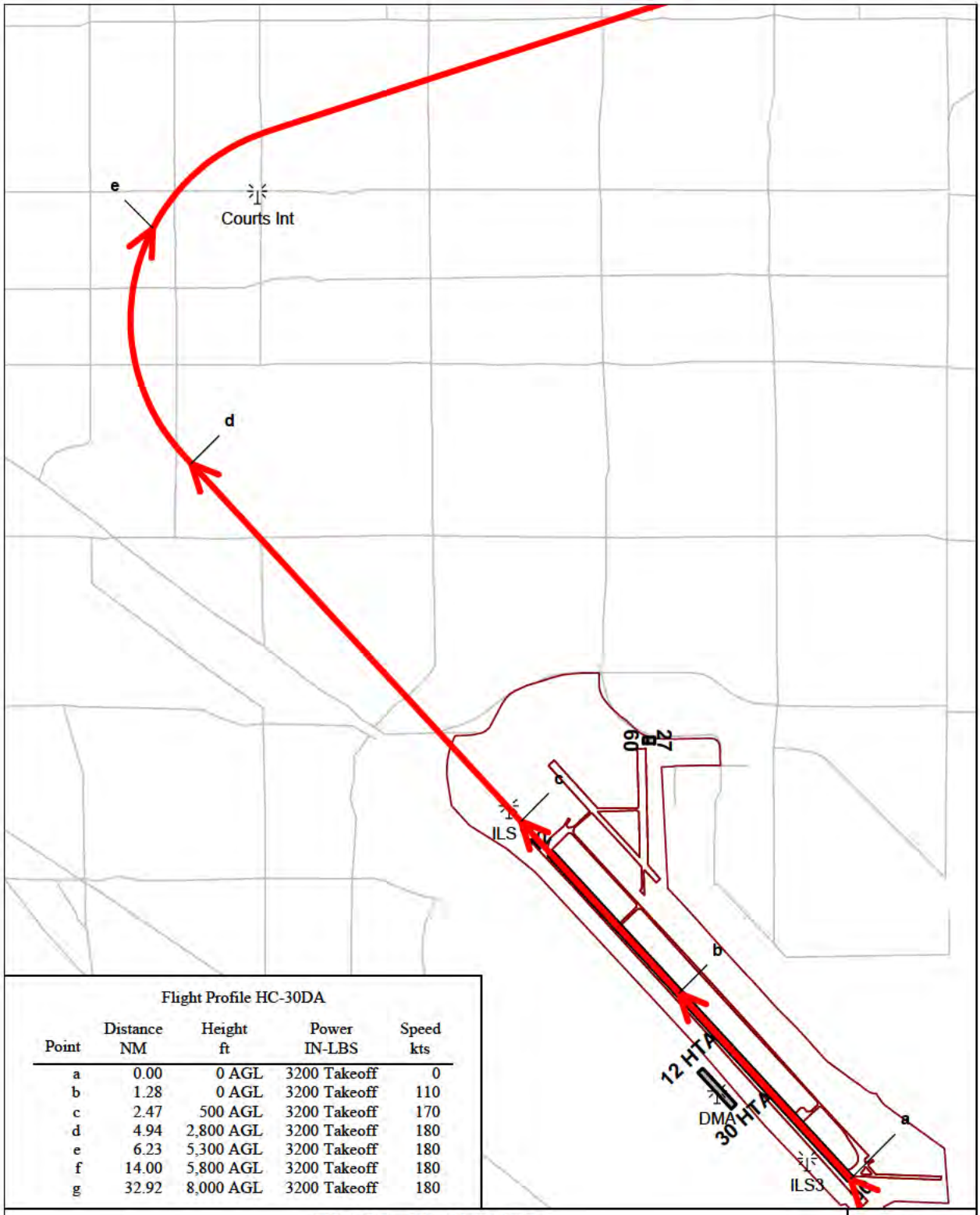
Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	2,750 MSL	15000 Takeoff	135
b	1.09	2,750 MSL	15000 Takeoff	135
c	2.25	3,200 MSL	15000 Takeoff	135
d	4.10	3,700 MSL	8000 Takeoff	150
e	7.58	3,700 MSL	3500 Approach	140
f	8.92	3,200 MSL	4500 Approach	135
g	9.64	2,750 MSL	4500 Approach	135

Flight Profile HC-30CC
VFR rectangle--563 RG

0 2,000 4,000 6,000 8,000 10,000 12,000

Scale in Feet 1:39,000 (1 inch = 3,250 feet)

N



Flight Profile HC-30DA

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	0 AGL	3200 Takeoff	0
b	1.28	0 AGL	3200 Takeoff	110
c	2.47	500 AGL	3200 Takeoff	170
d	4.94	2,800 AGL	3200 Takeoff	180
e	6.23	5,300 AGL	3200 Takeoff	180
f	14.00	5,800 AGL	3200 Takeoff	180
g	32.92	8,000 AGL	3200 Takeoff	180

Flight Profile HC-30DA

VFR Reddy--563 RG

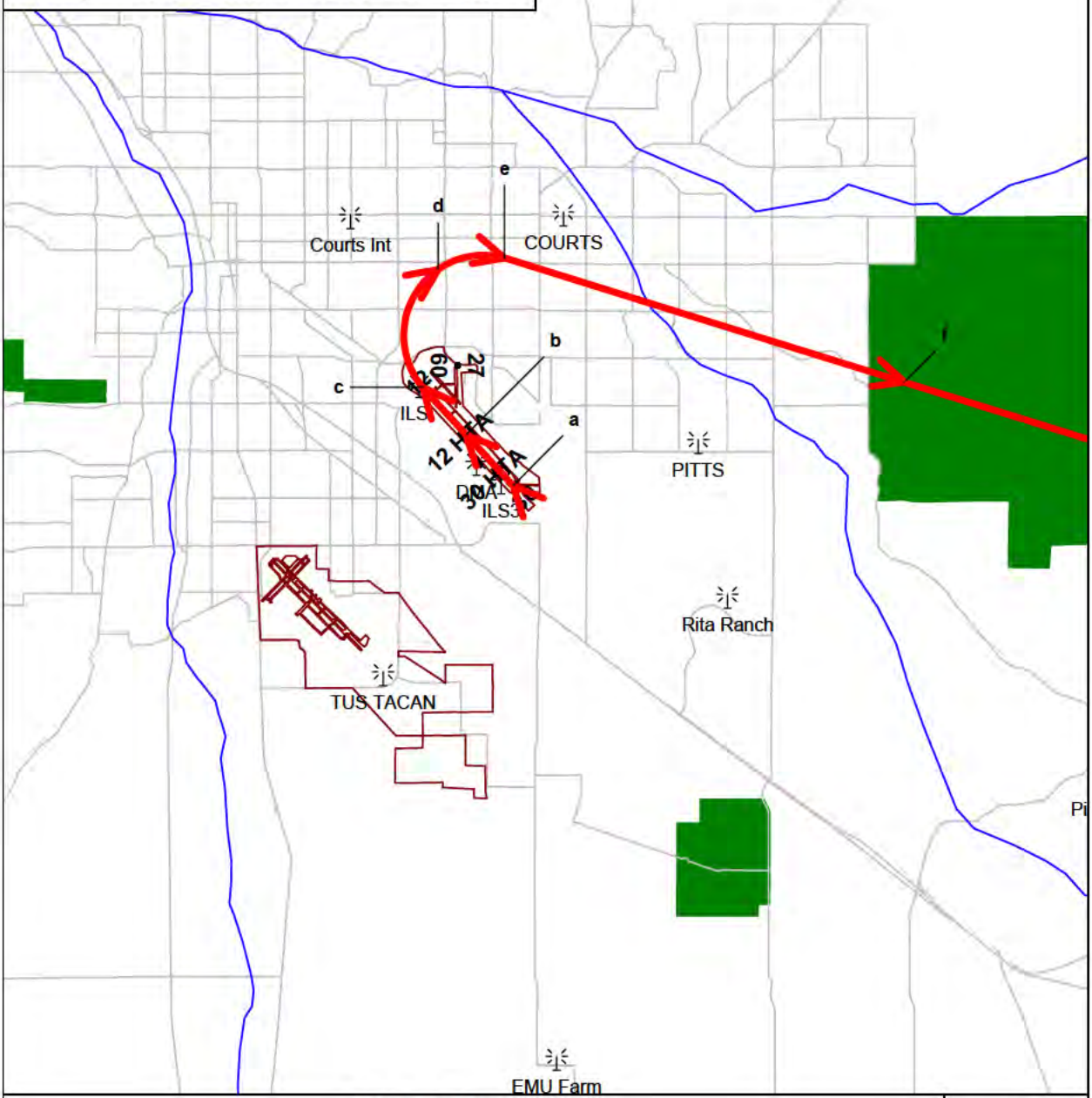
0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:55,500 (1 inch = 4,620 feet)

N

Flight Profile HC-30DB

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	0 AGL	3200 Takeoff	0
b	1.28	0 AGL	3200 Takeoff	110
c	2.47	500 AGL	3200 Takeoff	170
d	4.94	2,800 AGL	3200 Takeoff	180
e	6.23	5,300 AGL	3200 Takeoff	180
f	14.00	5,800 AGL	3200 Takeoff	180
g	32.92	8,000 AGL	3200 Takeoff	180



Flight Profile HC-30DB
VFR South--563 RG

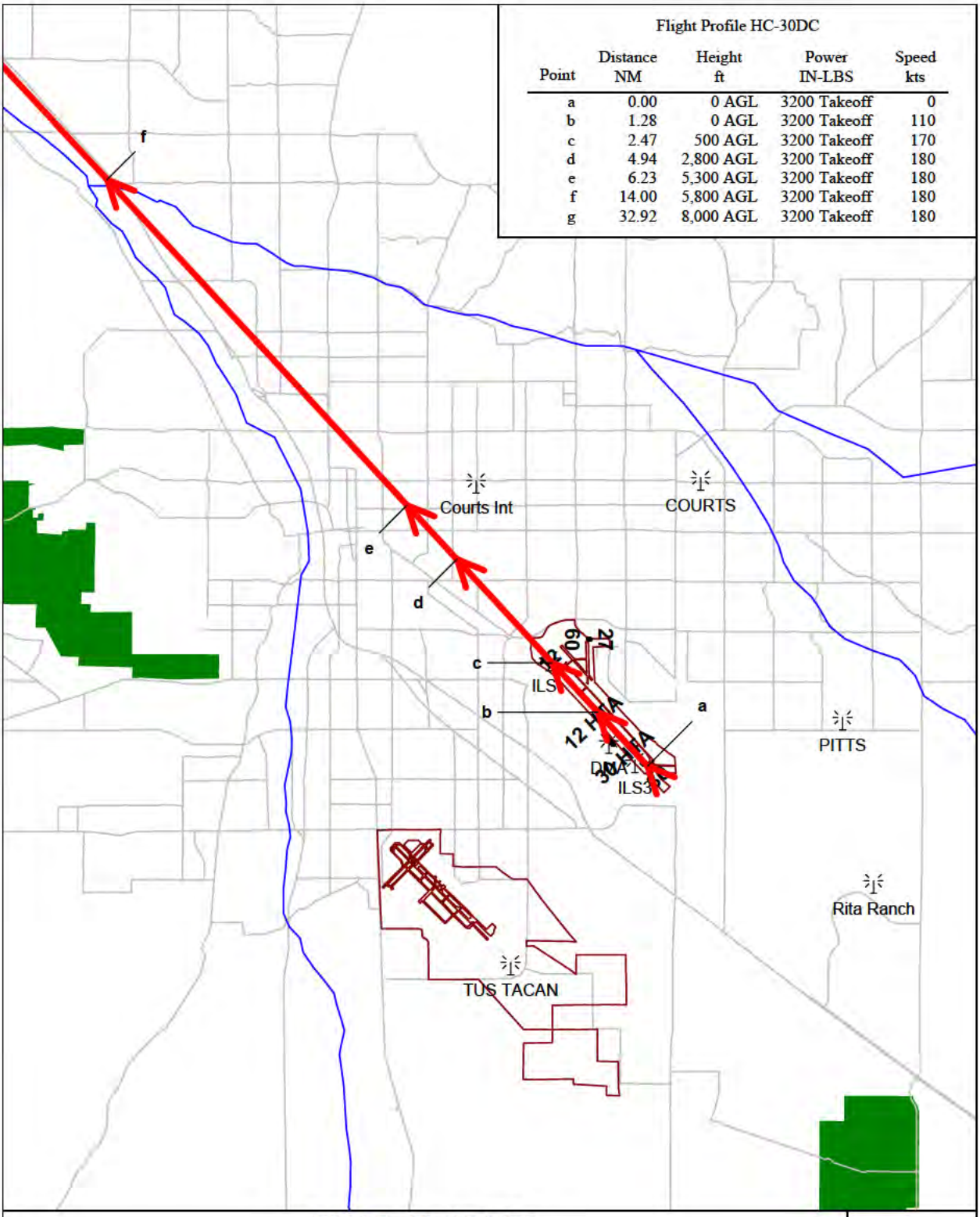
0 10,000 20,000 30,000 40,000 50,000 60,000 70,000

Scale in Feet 1:226,000 (1 inch = 18,800 feet)

N

Flight Profile HC-30DC

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	0 AGL	3200 Takeoff	0
b	1.28	0 AGL	3200 Takeoff	110
c	2.47	500 AGL	3200 Takeoff	170
d	4.94	2,800 AGL	3200 Takeoff	180
e	6.23	5,300 AGL	3200 Takeoff	180
f	14.00	5,800 AGL	3200 Takeoff	180
g	32.92	8,000 AGL	3200 Takeoff	180



Flight Profile HC-30DC
VFR North--563 RG

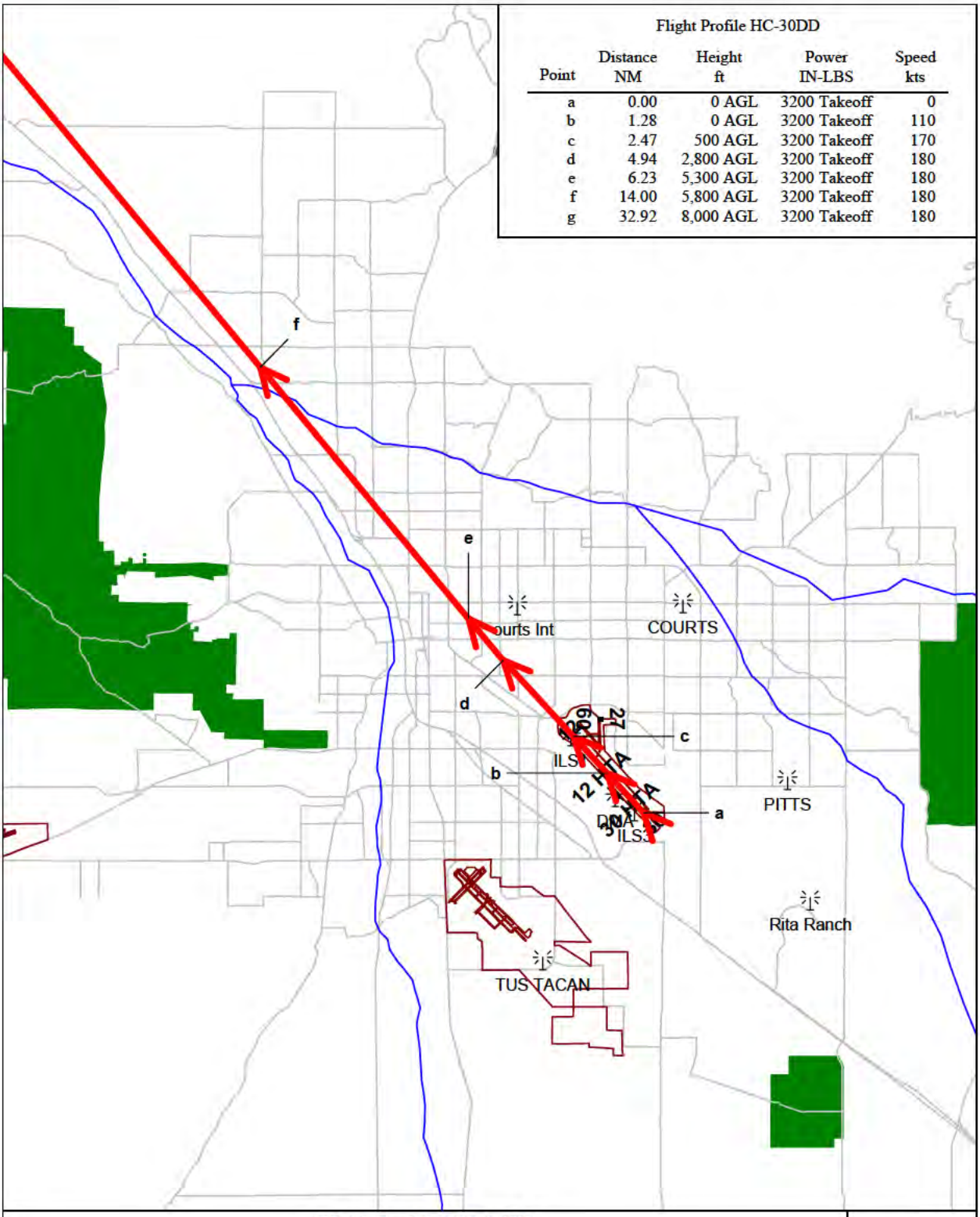
0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:192,000 (1 inch = 16,000 feet)

N

Flight Profile HC-30DD

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	0 AGL	3200 Takeoff	0
b	1.28	0 AGL	3200 Takeoff	110
c	2.47	500 AGL	3200 Takeoff	170
d	4.94	2,800 AGL	3200 Takeoff	180
e	6.23	5,300 AGL	3200 Takeoff	180
f	14.00	5,800 AGL	3200 Takeoff	180
g	32.92	8,000 AGL	3200 Takeoff	180



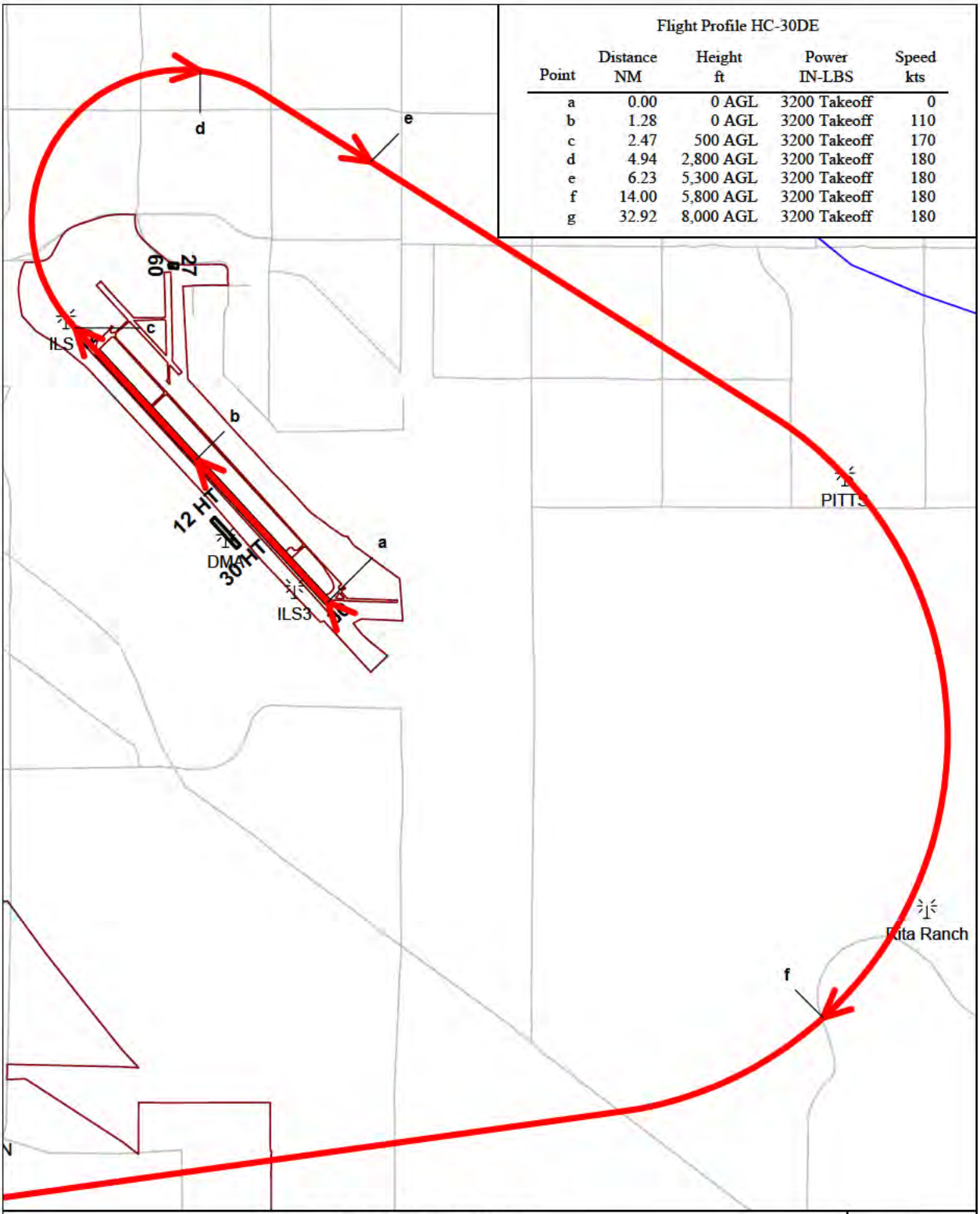
Flight Profile HC-30DD
DMA 3--563 RG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:261,000 (1 inch = 21,700 feet)

Flight Profile HC-30DE

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	0 AGL	3200 Takeoff	0
b	1.28	0 AGL	3200 Takeoff	110
c	2.47	500 AGL	3200 Takeoff	170
d	4.94	2,800 AGL	3200 Takeoff	180
e	6.23	5,300 AGL	3200 Takeoff	180
f	14.00	5,800 AGL	3200 Takeoff	180
g	32.92	8,000 AGL	3200 Takeoff	180

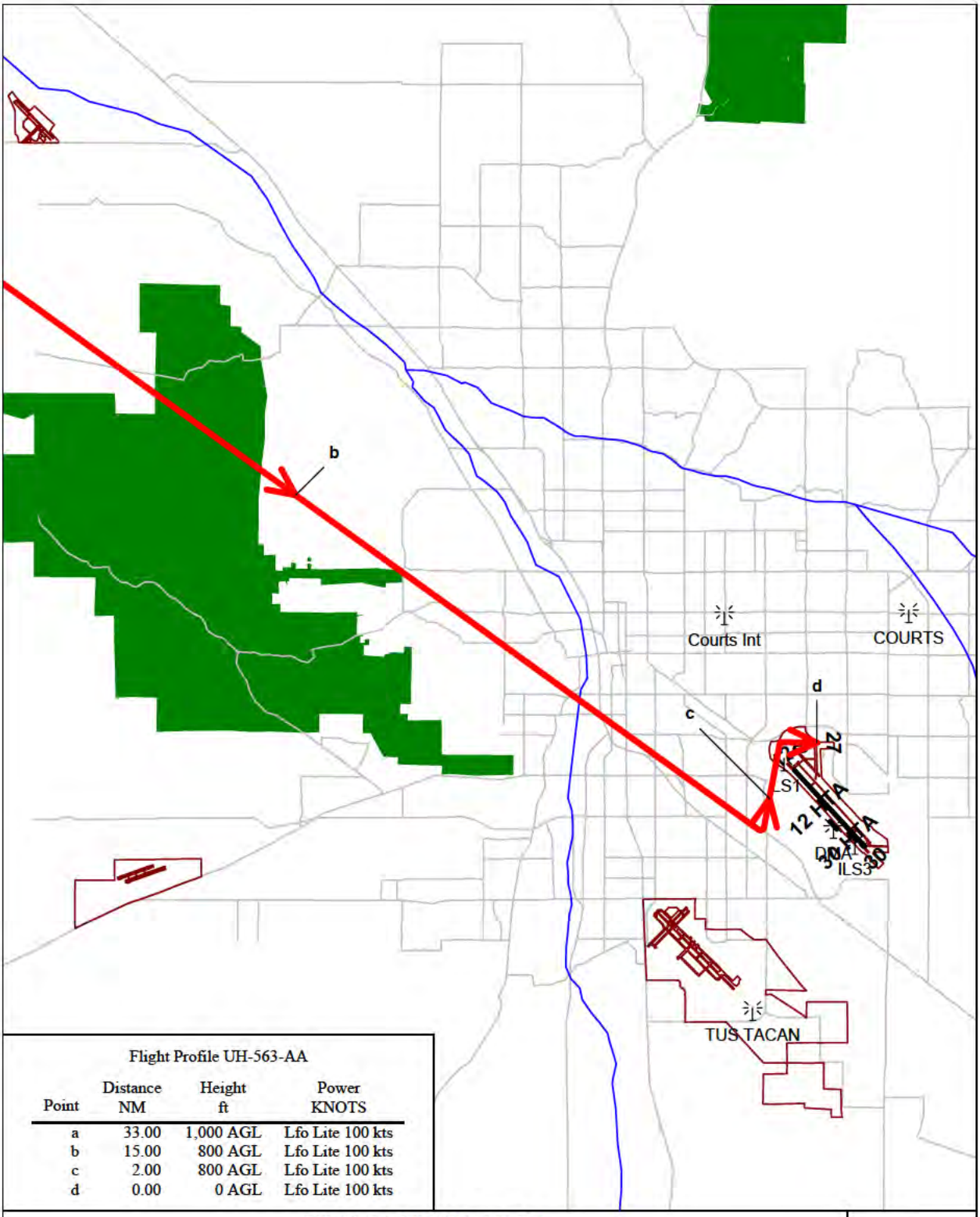


Flight Profile HC-30DE
Herk--563 RG

0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:72,500 (1 inch = 6,040 feet)

N



Flight Profile UH-563-AA

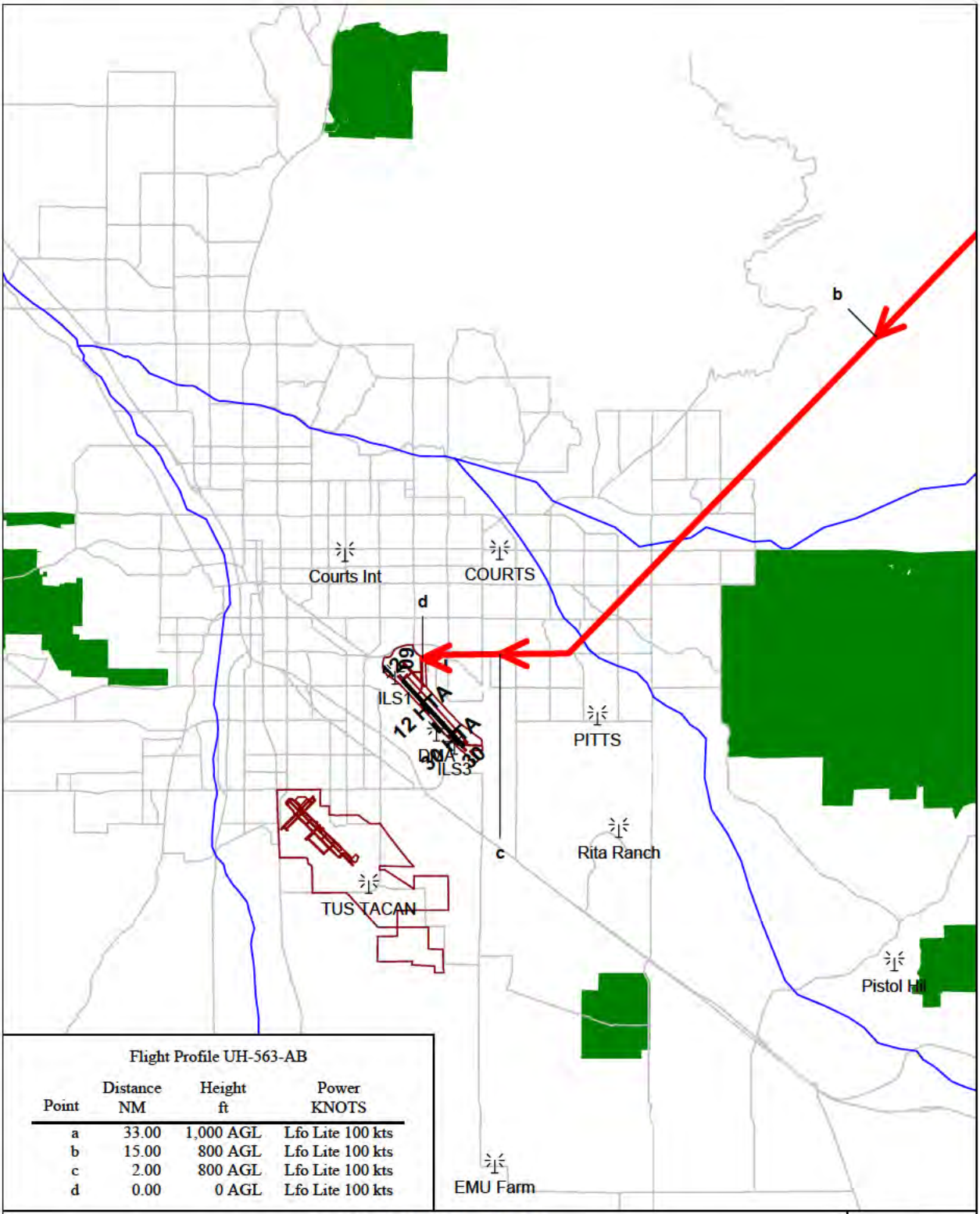
Point	Distance NM	Height ft	Power KNOTS
a	33.00	1,000 AGL	Lfo Lite 100 kts
b	15.00	800 AGL	Lfo Lite 100 kts
c	2.00	800 AGL	Lfo Lite 100 kts
d	0.00	0 AGL	Lfo Lite 100 kts

Flight Profile UH-563-AA
A-MTN Arrival--563 RG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000

Scale in Feet 1:234,000 (1 inch = 19,500 feet)

N



Flight Profile UH-563-AB

Point	Distance NM	Height ft	Power KNOTS
a	33.00	1,000 AGL	Lfo Lite 100 kts
b	15.00	800 AGL	Lfo Lite 100 kts
c	2.00	800 AGL	Lfo Lite 100 kts
d	0.00	0 AGL	Lfo Lite 100 kts

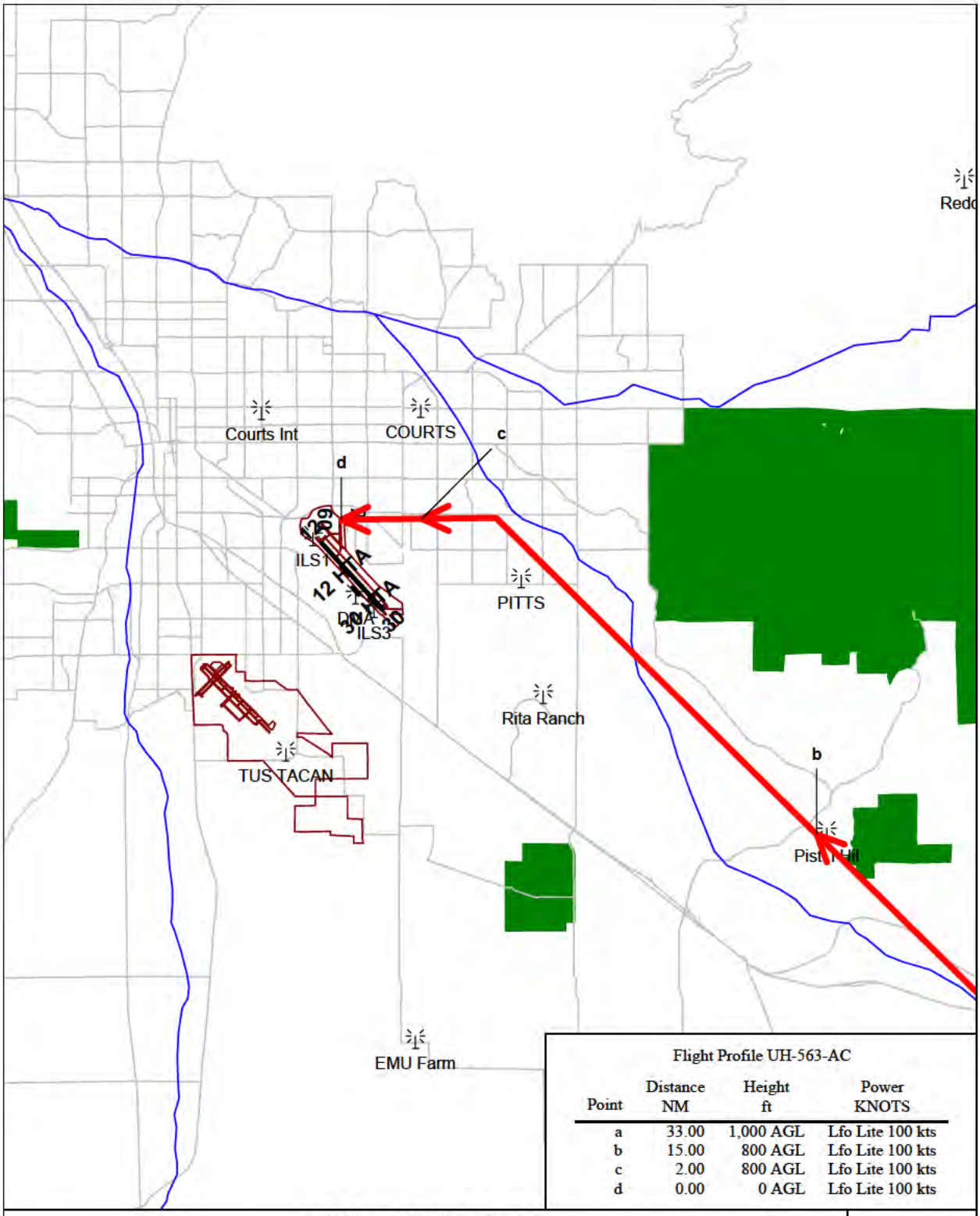
Flight Profile UH-563-AB

Gulf Links North Arrival--563 RG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:279,000 (1 inch = 23,300 feet)

N



Flight Profile UH-563-AC

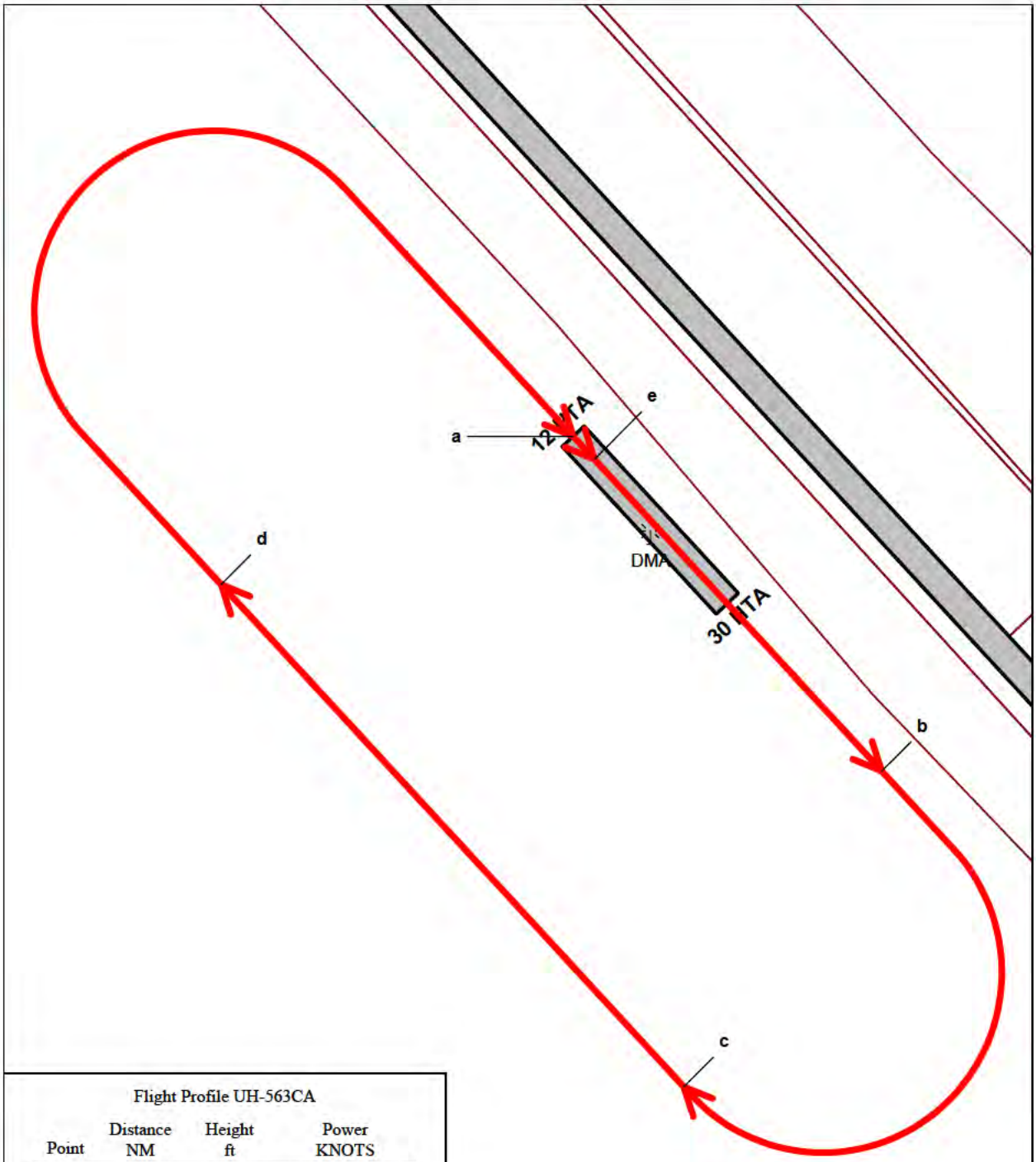
Point	Distance NM	Height ft	Power KNOTS
a	33.00	1,000 AGL	Lfo Lite 100 kts
b	15.00	800 AGL	Lfo Lite 100 kts
c	2.00	800 AGL	Lfo Lite 100 kts
d	0.00	0 AGL	Lfo Lite 100 kts

Flight Profile UH-563-AC
Gulf Links South Arrival--563 RG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:271,000 (1 inch = 22,600 feet)

N



Flight Profile UH-563CA

Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	0.50	300 AGL	Lfo Lite 100 kts
c	1.25	670 AGL	Lfo Lite 100 kts
d	2.00	670 AGL	Lfo Lite 100 kts
e	3.25	50 AGL	Lnd Lite 40 kts

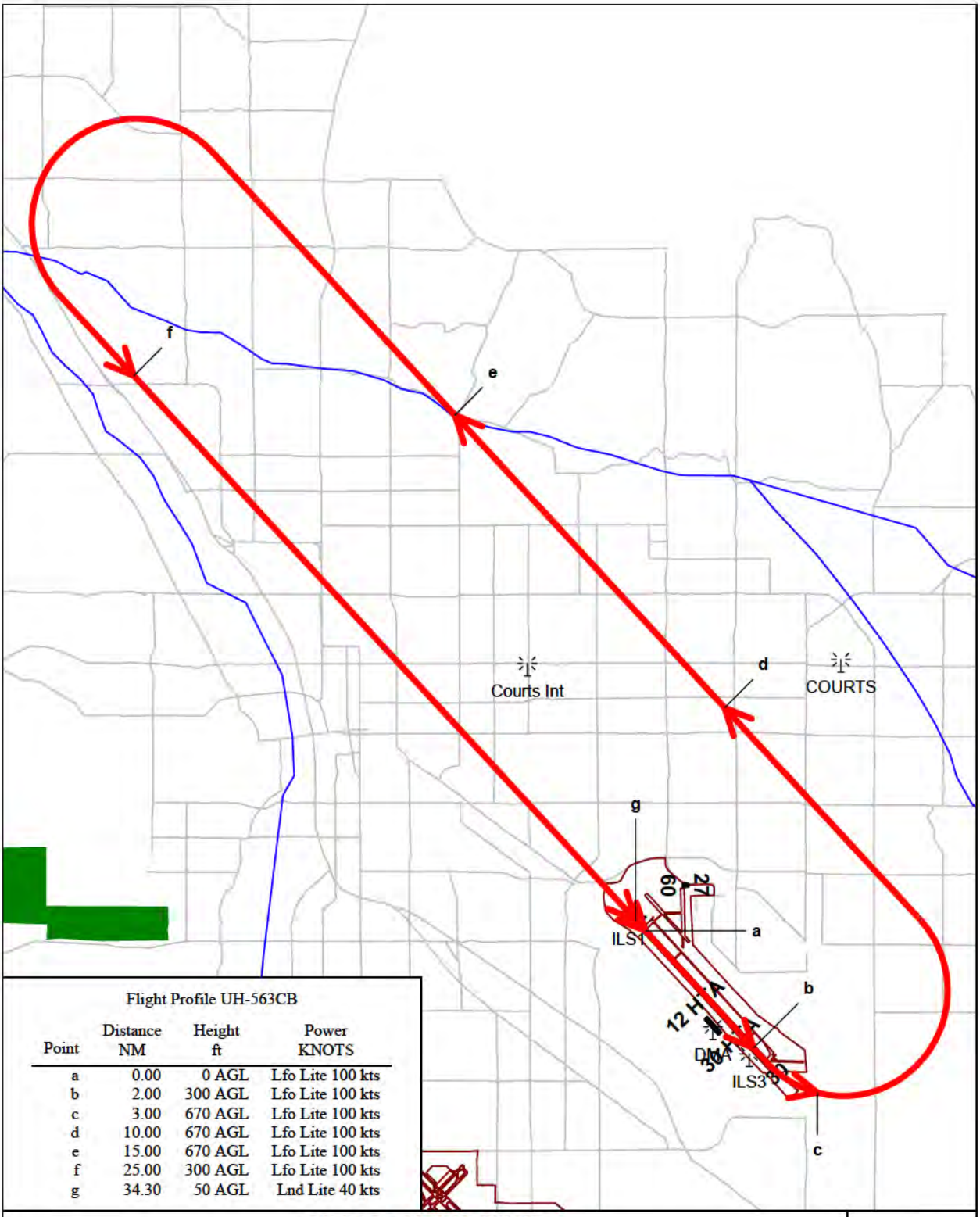
Flight Profile UH-563CA

HH-60 VFR PATTERN--563 RG

0 400 800 1,200 1,600 2,000 2,400 2,800 3,200 3,600 4,000 4,400

Scale in Feet 1:12,700 (1 inch = 1,060 feet)

N



Flight Profile UH-563CB

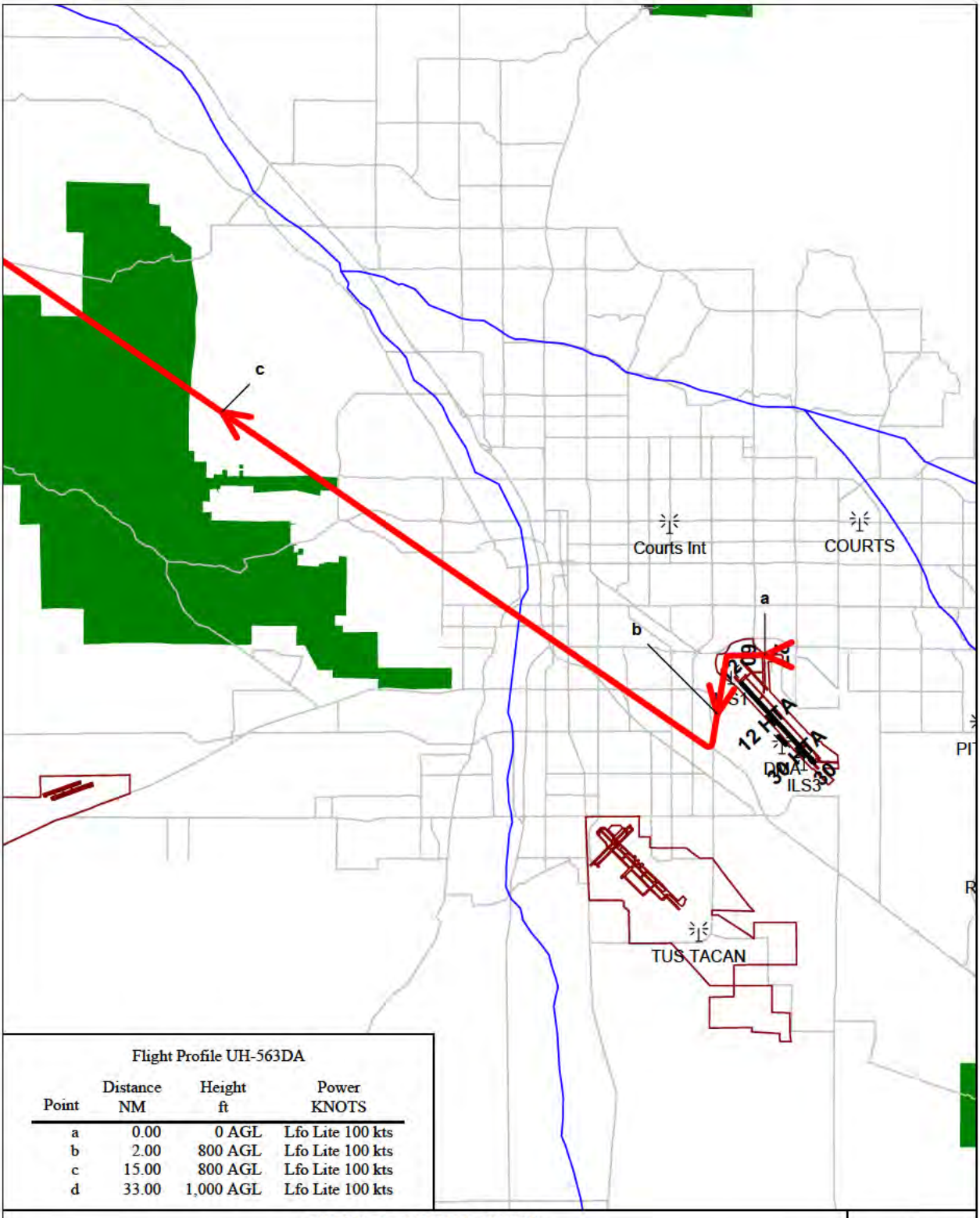
Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	2.00	300 AGL	Lfo Lite 100 kts
c	3.00	670 AGL	Lfo Lite 100 kts
d	10.00	670 AGL	Lfo Lite 100 kts
e	15.00	670 AGL	Lfo Lite 100 kts
f	25.00	300 AGL	Lfo Lite 100 kts
g	34.30	50 AGL	Lnd Lite 40 kts

Flight Profile UH-563CB
Radar patttern--563 RG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000

Scale in Feet 1:138,000 (1 inch = 11,500 feet)

N



Flight Profile UH-563DA

Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	2.00	800 AGL	Lfo Lite 100 kts
c	15.00	800 AGL	Lfo Lite 100 kts
d	33.00	1,000 AGL	Lfo Lite 100 kts

Flight Profile UH-563DA
A-MTN Dep--563 RG

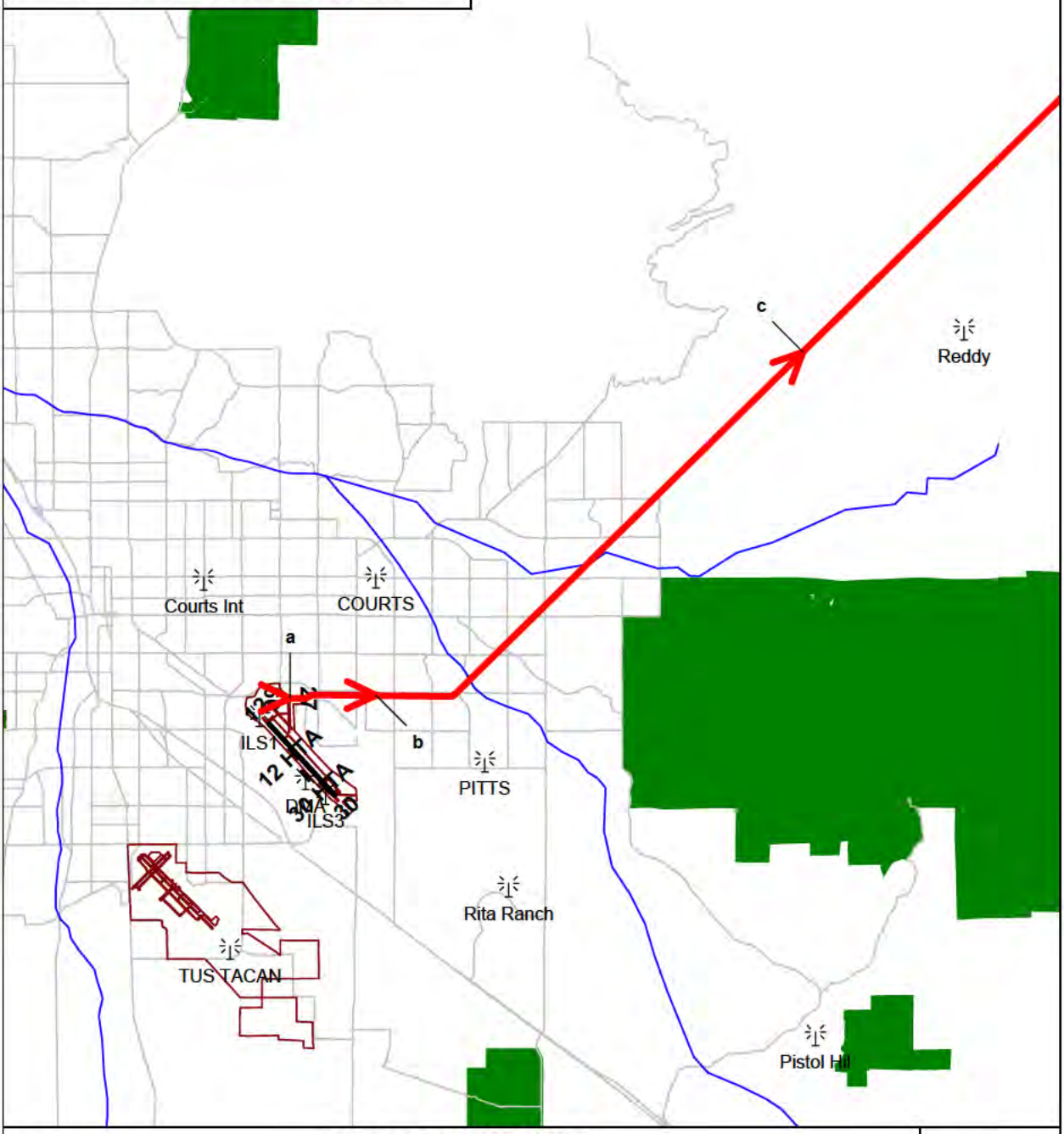
0 10,000 20,000 30,000 40,000 50,000 60,000 70,000

Scale in Feet 1:227,000 (1 inch = 18,900 feet)

N

Flight Profile UH-563DB

Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	2.00	800 AGL	Lfo Lite 100 kts
c	15.00	800 AGL	Lfo Lite 100 kts
d	33.00	1,000 AGL	Lfo Lite 100 kts

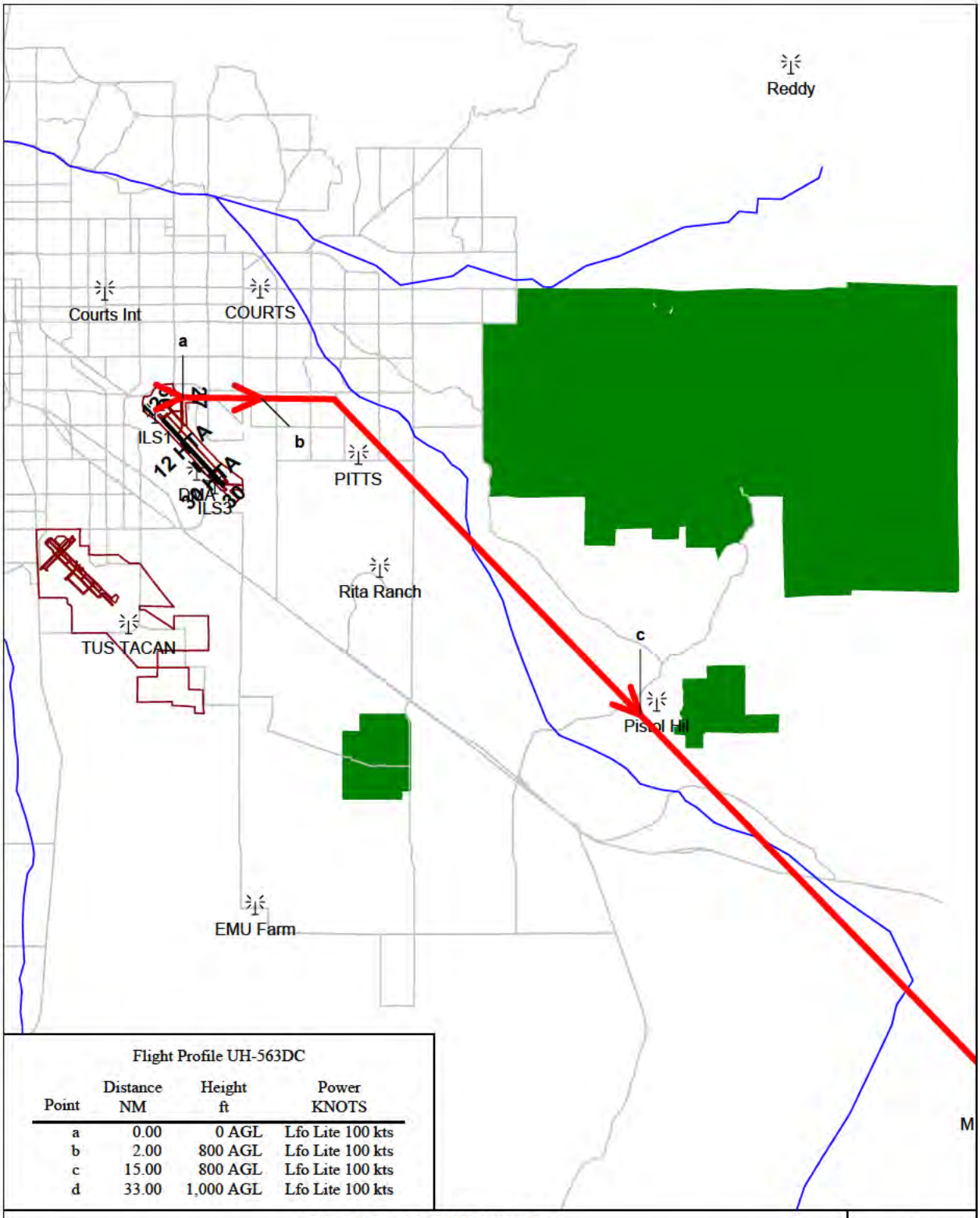


Flight Profile UH-563DB
Gulf Links North--563 RG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:272,000 (1 inch = 22,700 feet)

N



Flight Profile UH-563DC

Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	2.00	800 AGL	Lfo Lite 100 kts
c	15.00	800 AGL	Lfo Lite 100 kts
d	33.00	1,000 AGL	Lfo Lite 100 kts

Flight Profile UH-563DC
Gulf Links South--563 RG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:277,000 (1 inch = 23,100 feet)

N

Static Profile Details

563 Maint - Maintenance for HH-60--563 RG

Notes
Aircraft UH60A
Engine T700-CE-700
Suppressor NONE
Pad West Ramp
Heading 250 ° mag
Profile Segments

Power POWER	Day Ops	Night Ops	Duration sec	Number Engines
Ige Load	0.2523	0.0554	420	2

Run-up 563 - Run-up--563 RG

Notes Assume 15 min run-up with 30 seconds of power.
Aircraft C-130H&N&P
Engine T56-A-15
Suppressor NONE
Pad Axis Ramp - C-130 aircraft
Heading 125 ° mag
Profile Segments

Power IN-LBS	Day Ops	Night Ops	Duration sec	Number Engines
1400 Idle	5.7808	0	870	4
9600 Power Runup	5.7808	0	30	4

ATTACHMENT 4

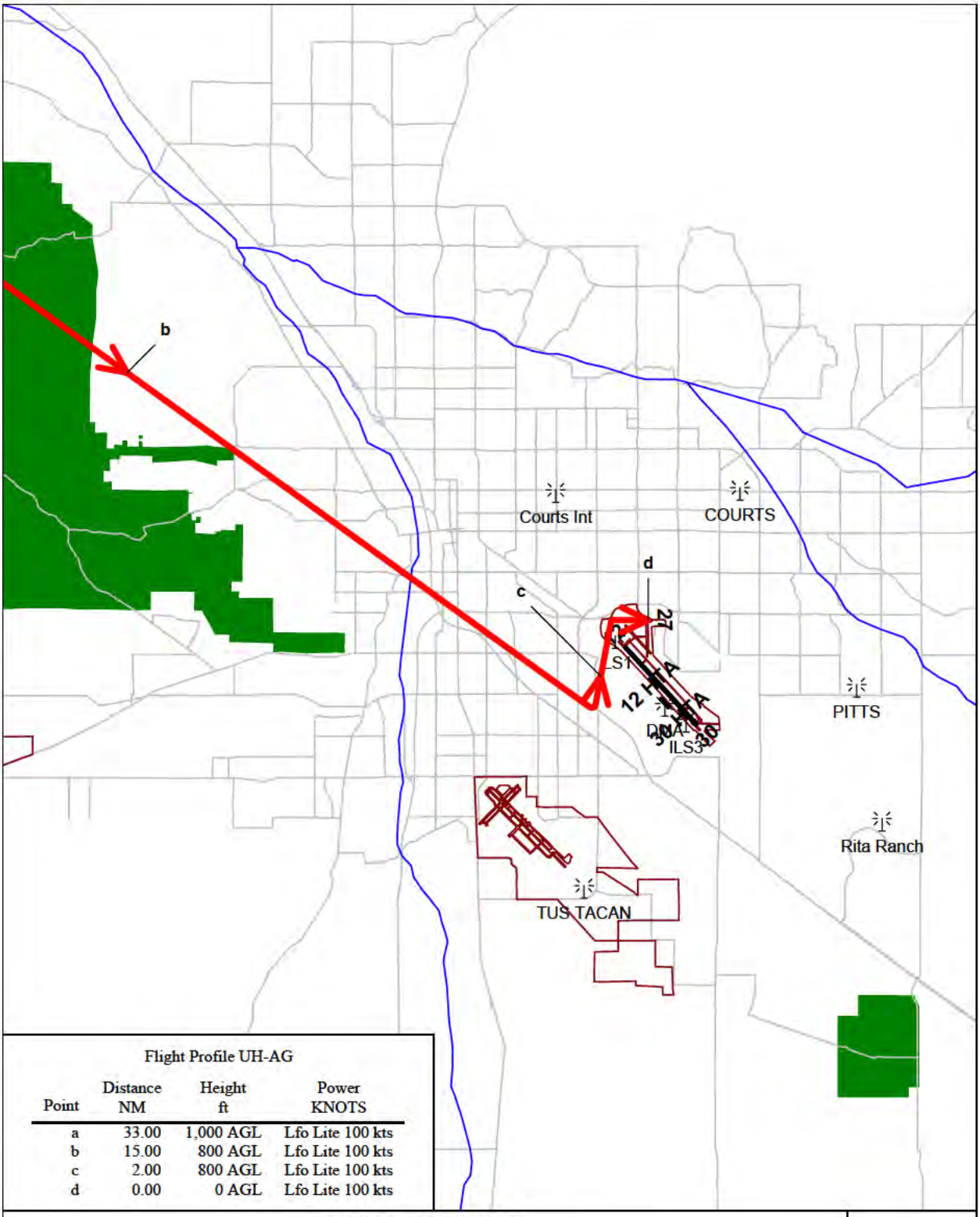
943 RG SUMMARY DATA

Maps of Flight Profiles

2007 AICUZ Re-Validation 07/30/07

943 RG Flight Profile Operations Summary

2:10 PM
Monday, September 24, 2007
BaseOps 7.3



Flight Profile UH-AG

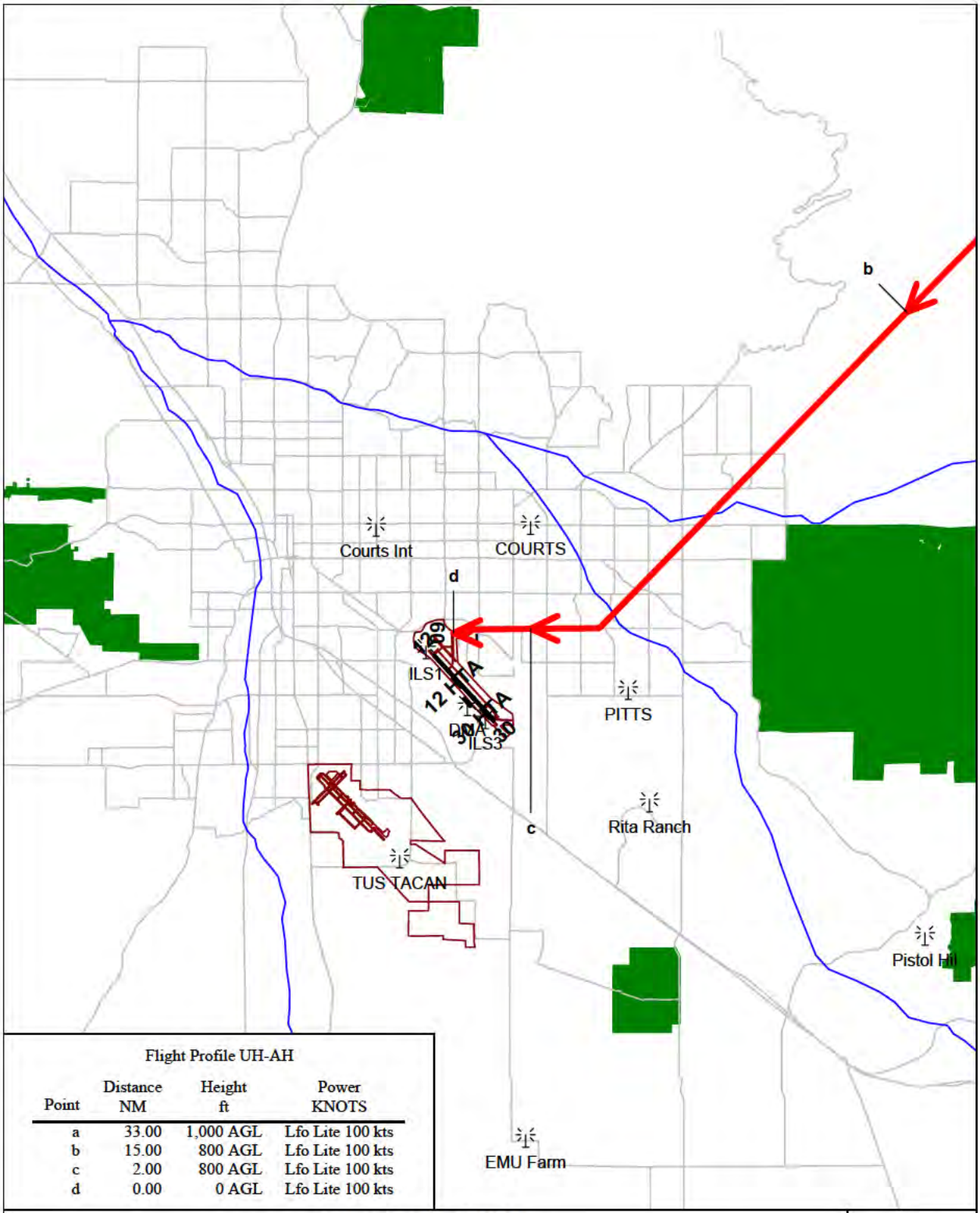
Point	Distance NM	Height ft	Power KNOTS
a	33.00	1,000 AGL	Lfo Lite 100 kts
b	15.00	800 AGL	Lfo Lite 100 kts
c	2.00	800 AGL	Lfo Lite 100 kts
d	0.00	0 AGL	Lfo Lite 100 kts

Flight Profile UH-AG
A-MTN Arrival--943 RG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000

Scale in Feet 1:234,000 (1 inch = 19,500 feet)

N



Flight Profile UH-AH

Point	Distance NM	Height ft	Power KNOTS
a	33.00	1,000 AGL	Lfo Lite 100 kts
b	15.00	800 AGL	Lfo Lite 100 kts
c	2.00	800 AGL	Lfo Lite 100 kts
d	0.00	0 AGL	Lfo Lite 100 kts

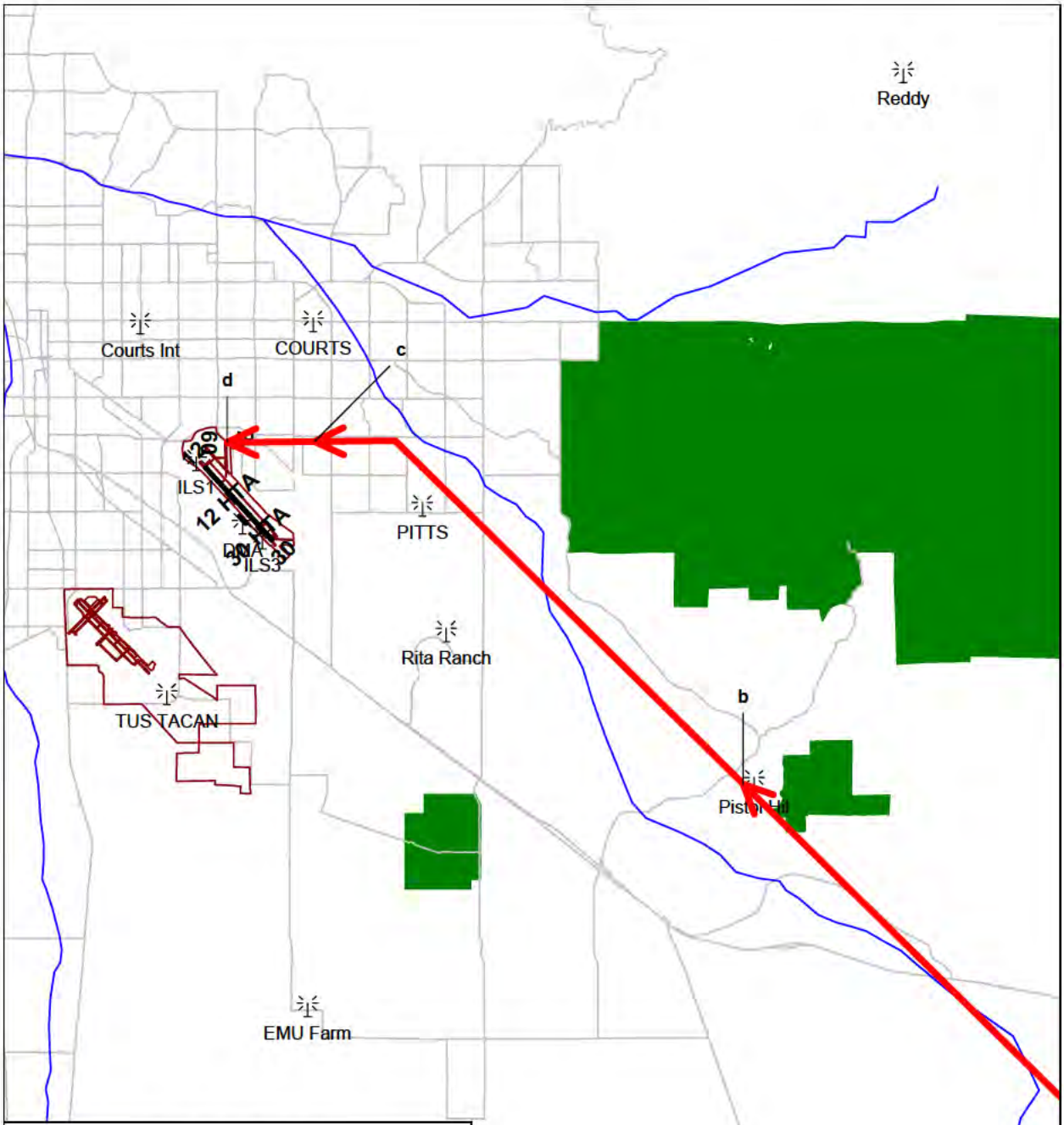
Flight Profile UH-AH

Gulf Links North Arrival--943 RG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:279,000 (1 inch = 23,300 feet)

N



Flight Profile UH-AI

Point	Distance NM	Height ft	Power KNOTS
a	33.00	1,000 AGL	Lfo Lite 100 kts
b	15.00	800 AGL	Lfo Lite 100 kts
c	2.00	800 AGL	Lfo Lite 100 kts
d	0.00	0 AGL	Lfo Lite 100 kts

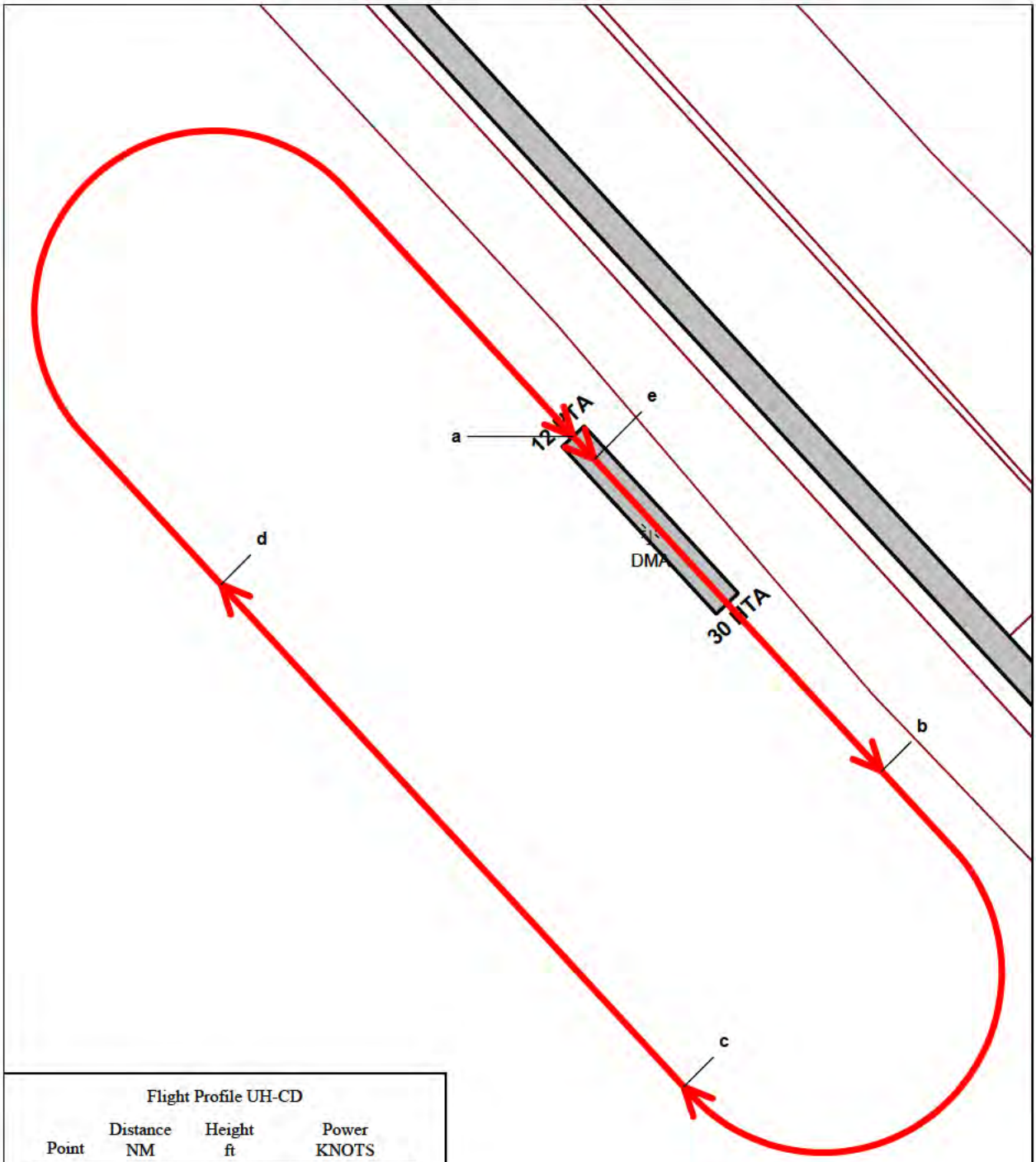
Flight Profile UH-AI

Gulf Links South Arrival--943 RG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:271,000 (1 inch = 22,600 feet)

N



Flight Profile UH-CD

Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	0.50	300 AGL	Lfo Lite 100 kts
c	1.25	670 AGL	Lfo Lite 100 kts
d	2.00	670 AGL	Lfo Lite 100 kts
e	3.25	50 AGL	Lnd Lite 40 kts

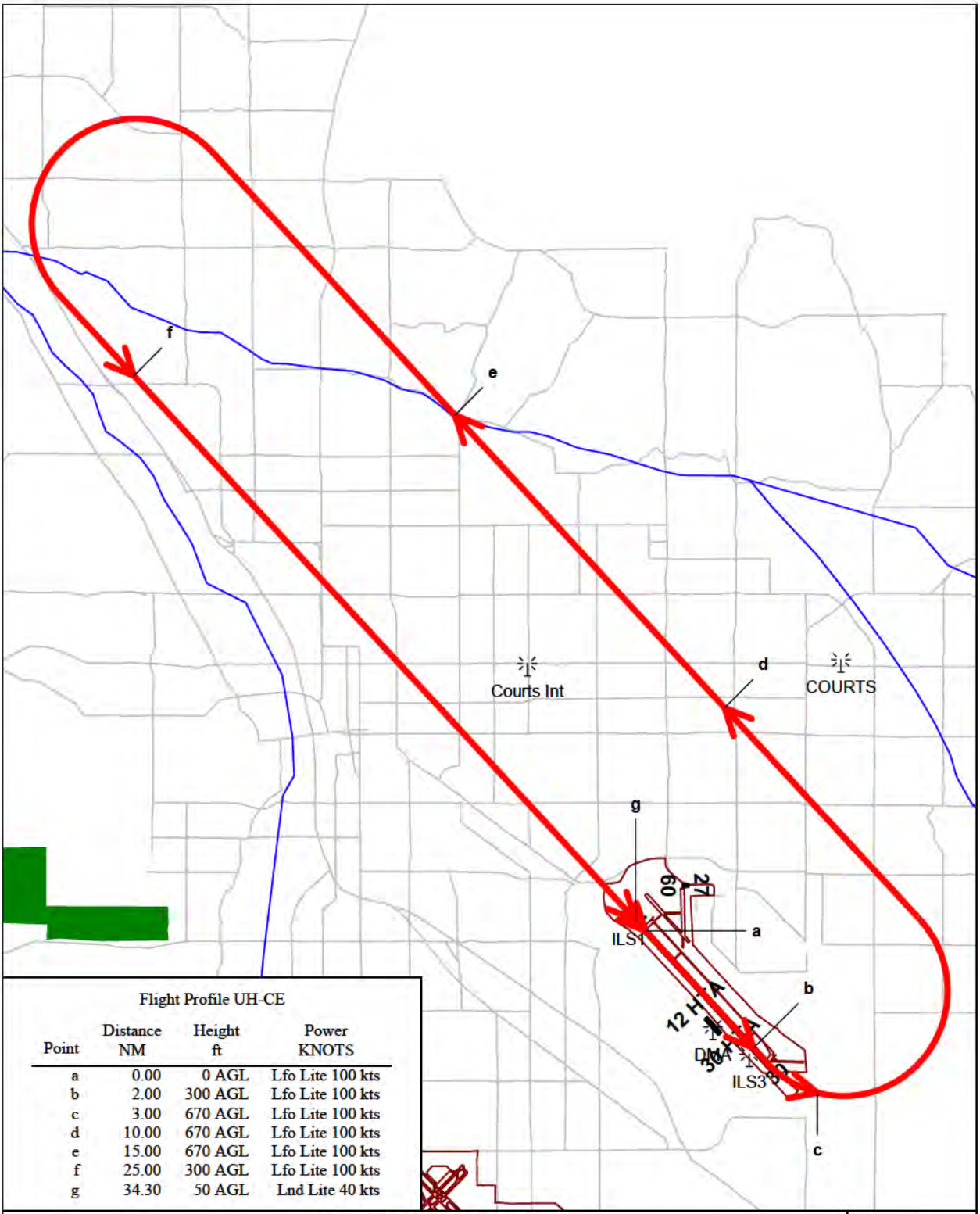
Flight Profile UH-CD

HH-60 VFR PATTERN--943 RG

0 400 800 1,200 1,600 2,000 2,400 2,800 3,200 3,600 4,000 4,400

Scale in Feet 1:12,700 (1 inch = 1,060 feet)

N



Flight Profile UH-CE

Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	2.00	300 AGL	Lfo Lite 100 kts
c	3.00	670 AGL	Lfo Lite 100 kts
d	10.00	670 AGL	Lfo Lite 100 kts
e	15.00	670 AGL	Lfo Lite 100 kts
f	25.00	300 AGL	Lfo Lite 100 kts
g	34.30	50 AGL	Lnd Lite 40 kts

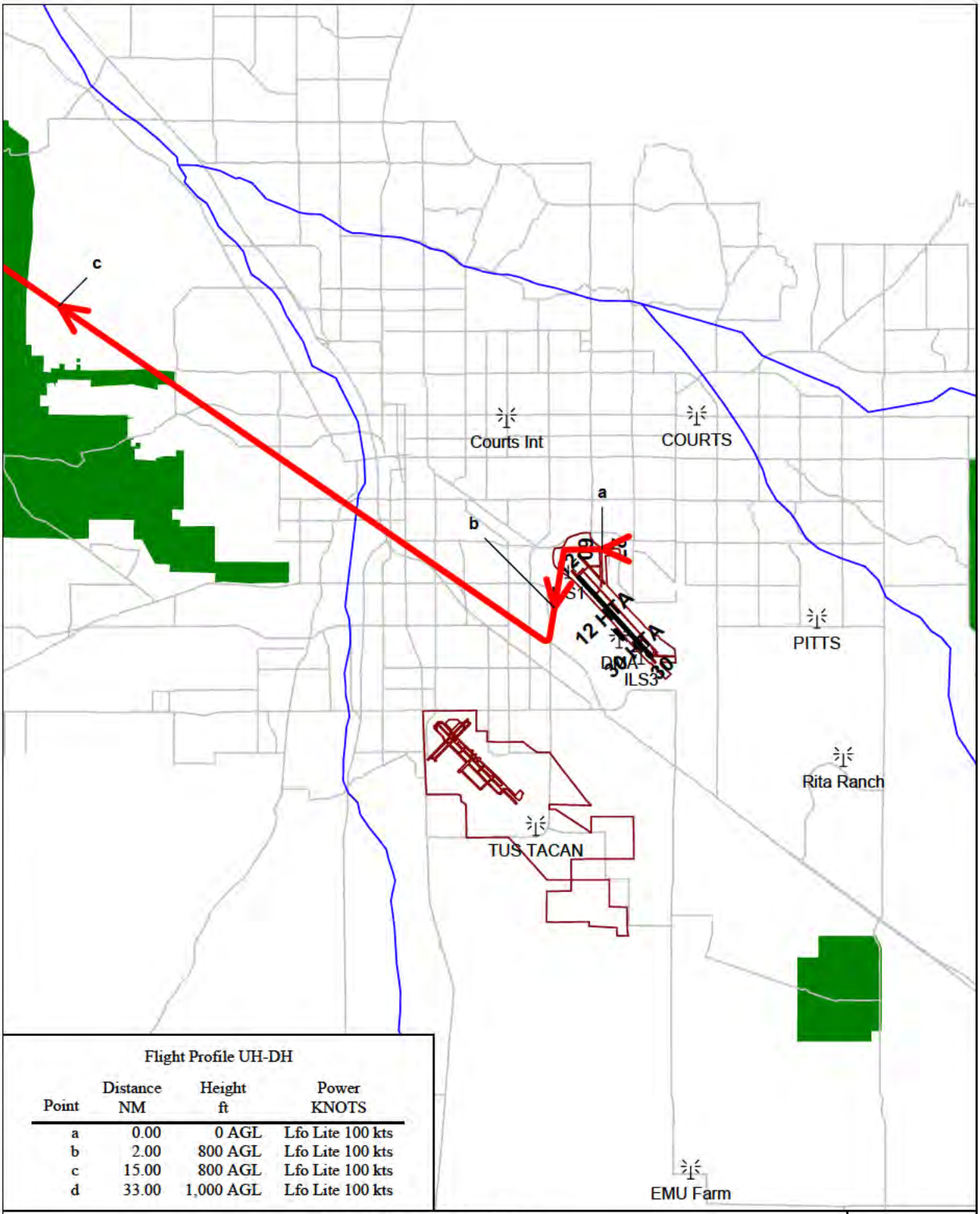
Flight Profile UH-CE

Radar patttern--943 RG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000

Scale in Feet 1:138,000 (1 inch = 11,500 feet)

N



Flight Profile UH-DH

Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	2.00	800 AGL	Lfo Lite 100 kts
c	15.00	800 AGL	Lfo Lite 100 kts
d	33.00	1,000 AGL	Lfo Lite 100 kts

Flight Profile UH-DH
A-MTN Dep--943 RG

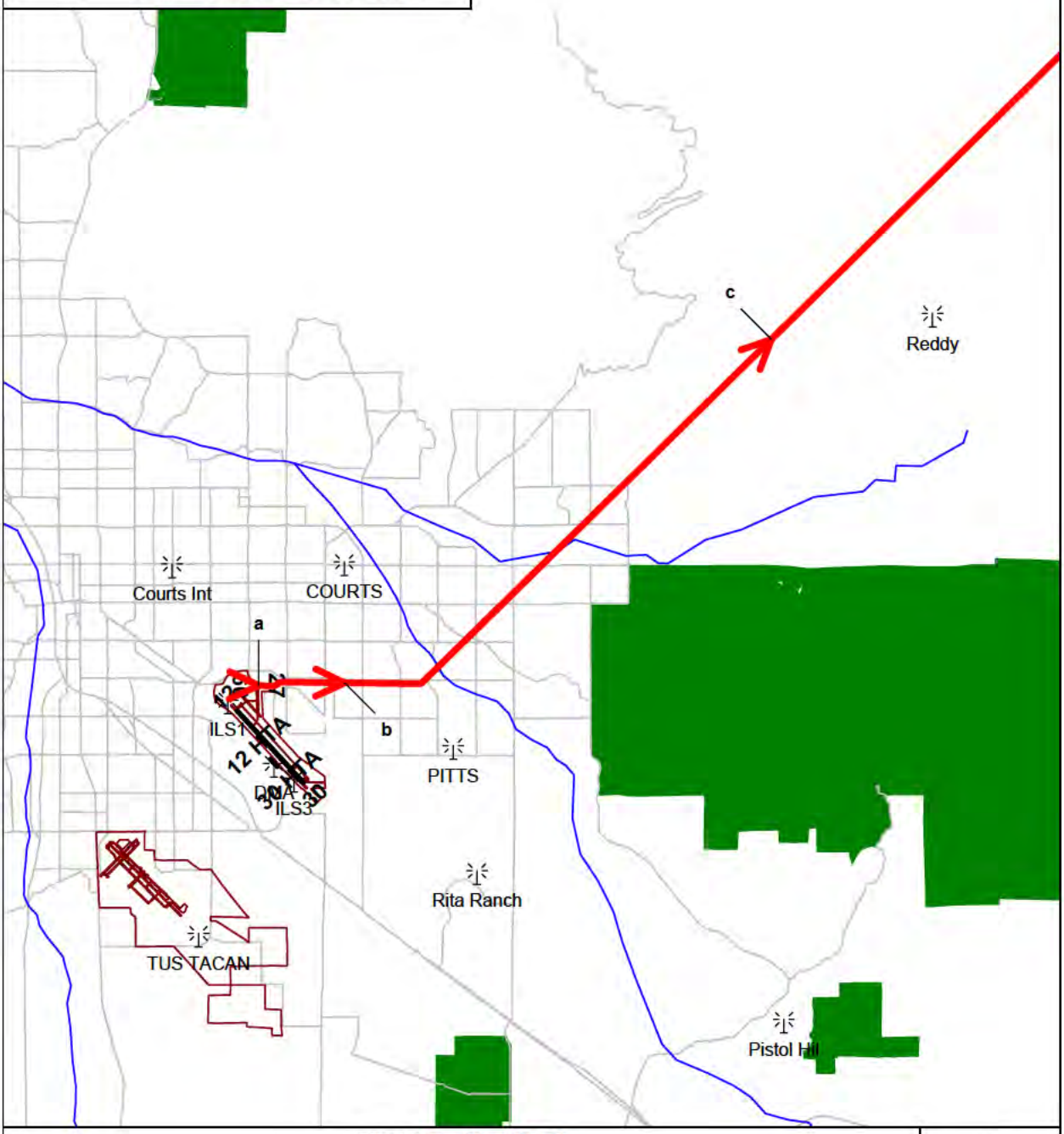
0 10,000 20,000 30,000 40,000 50,000 60,000 70,000

Scale in Feet 1:227,000 (1 inch = 18,900 feet)

N

Flight Profile UH-DI

Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	2.00	800 AGL	Lfo Lite 100 kts
c	15.00	800 AGL	Lfo Lite 100 kts
d	33.00	1,000 AGL	Lfo Lite 100 kts

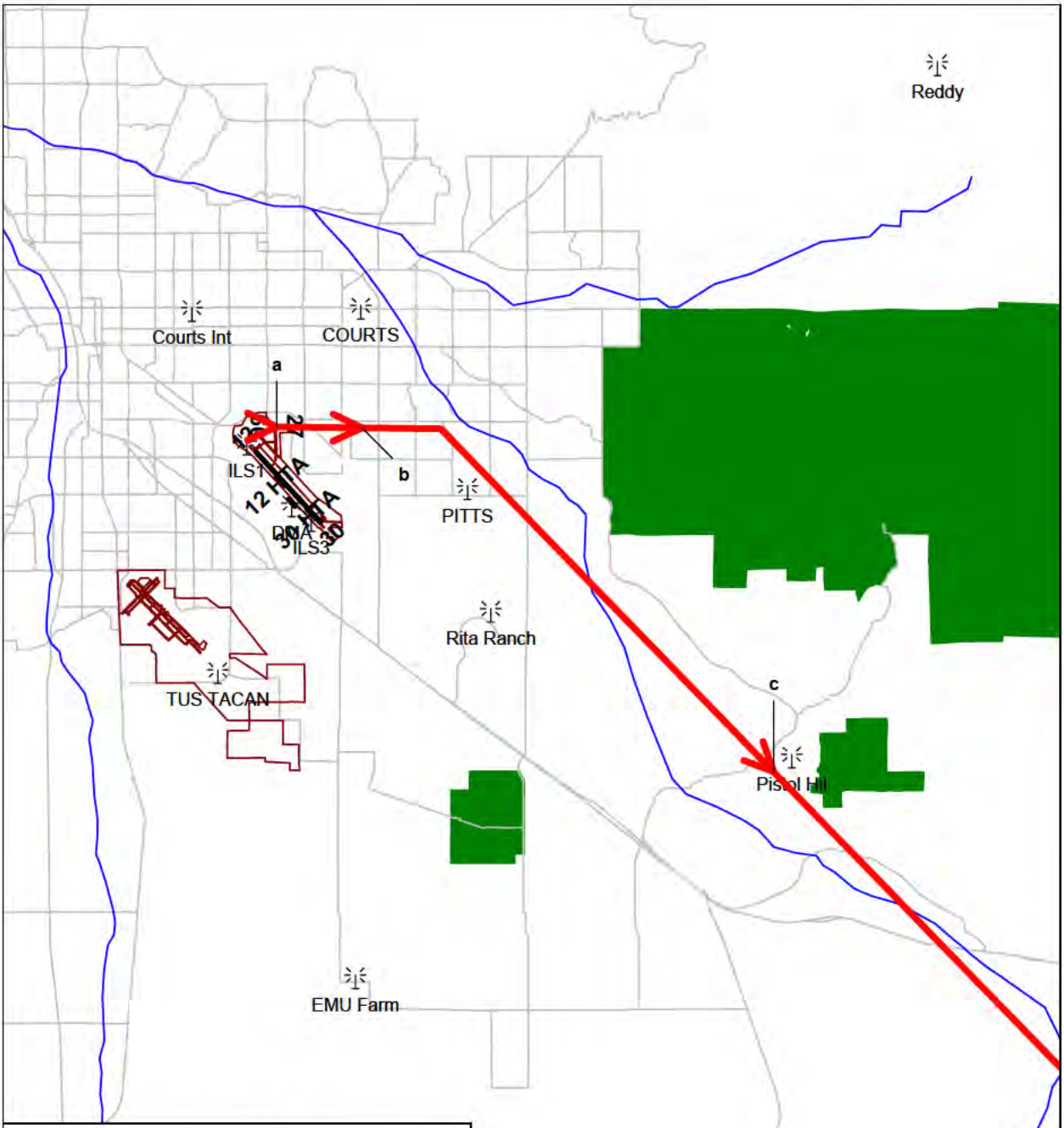


Flight Profile UH-DI
Gulf Links North--943 RG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:272,000 (1 inch = 22,700 feet)

N



Flight Profile UH-DJ

Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	2.00	800 AGL	Lfo Lite 100 kts
c	15.00	800 AGL	Lfo Lite 100 kts
d	33.00	1,000 AGL	Lfo Lite 100 kts

Flight Profile UH-DJ
Gulf Links South--943 RG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:277,000 (1 inch = 23,100 feet)

N

Static Profile Details

Eng Wash - Engine Wash for HH-60--943 RG

Notes
Aircraft UH60A
Engine T700-CE-700
Suppressor NONE
Pad West Ramp
Heading 250 ° mag

Profile Segments

Power POWER	Day Ops	Night Ops	Duration sec	Number Engines
Ige Load	0.0846	0	300	2

ATTACHMENT 5

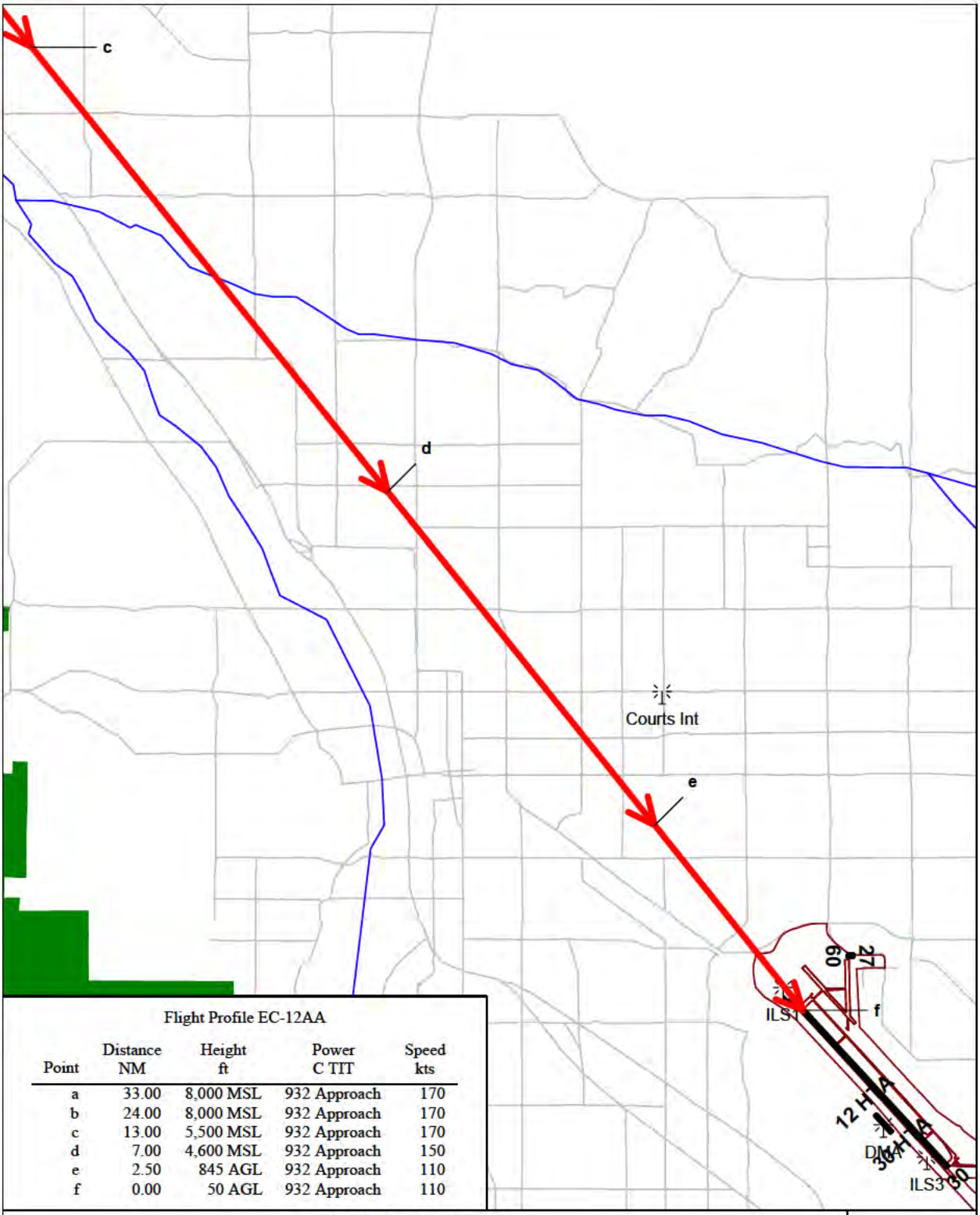
55 ECG SUMMARY DATA

2007 AICUZ Re-Validation 07/30/07

55 ECG Flight Profile Operations Summary

12:50 PM
Monday, September 24, 2007
BaseOps 7.3

Maps of Flight Profiles



Flight Profile EC-12AA

Point	Distance NM	Height ft	Power C TIT	Speed kts
a	33.00	8,000 MSL	932 Approach	170
b	24.00	8,000 MSL	932 Approach	170
c	13.00	5,500 MSL	932 Approach	170
d	7.00	4,600 MSL	932 Approach	150
e	2.50	845 AGL	932 Approach	110
f	0.00	50 AGL	932 Approach	110

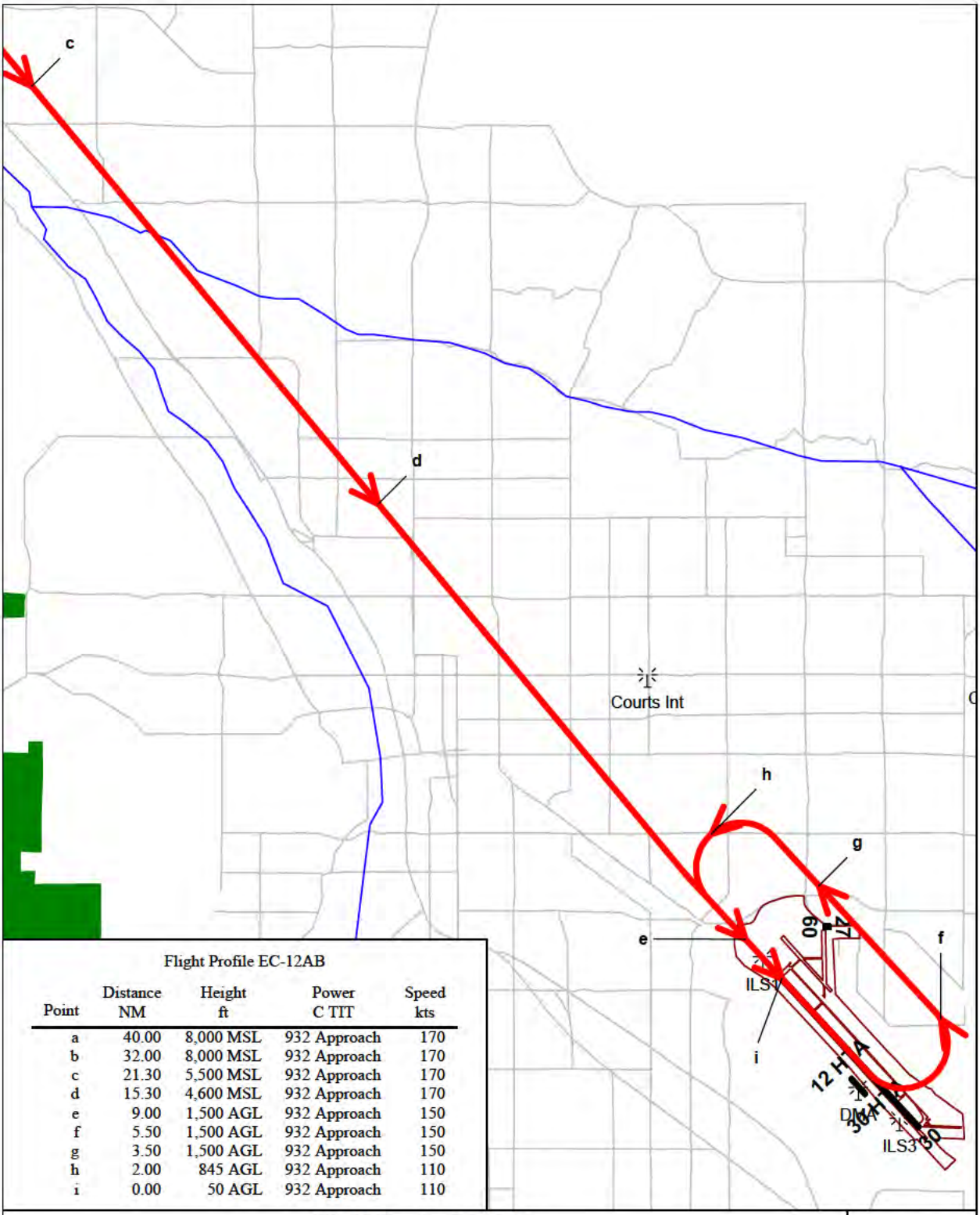
Flight Profile EC-12AA

TACAN and PAR/ILS Arrival--55 ECG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:115,000 (1 inch = 9,620 feet)

N



Flight Profile EC-12AB

Point	Distance NM	Height ft	Power C TIT	Speed kts
a	40.00	8,000 MSL	932 Approach	170
b	32.00	8,000 MSL	932 Approach	170
c	21.30	5,500 MSL	932 Approach	170
d	15.30	4,600 MSL	932 Approach	170
e	9.00	1,500 AGL	932 Approach	150
f	5.50	1,500 AGL	932 Approach	150
g	3.50	1,500 AGL	932 Approach	150
h	2.00	845 AGL	932 Approach	110
i	0.00	50 AGL	932 Approach	110

Flight Profile EC-12AB

VFR with overhead--55ECG

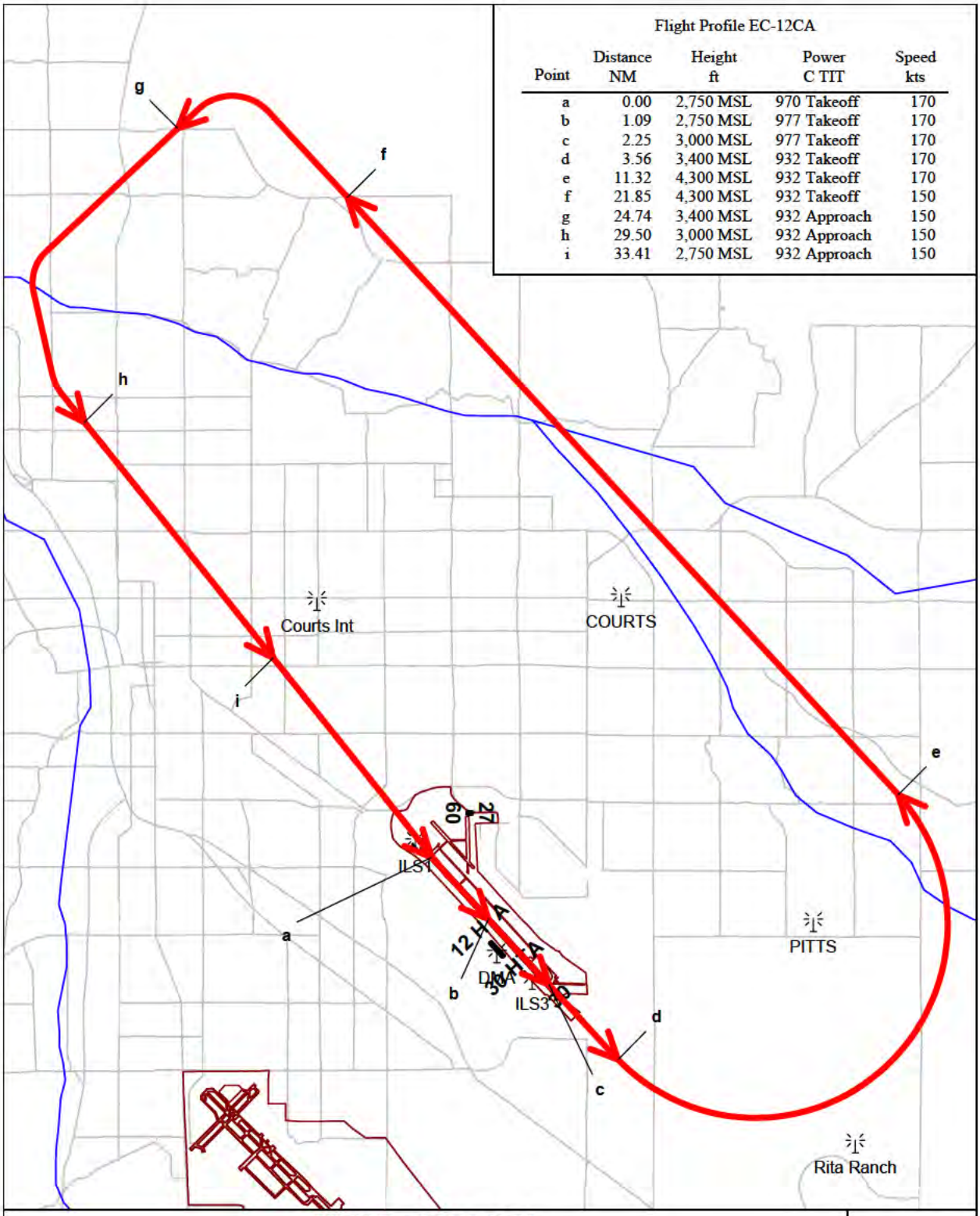
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:121,000 (1 inch = 10,100 feet)

N

Flight Profile EC-12CA

Point	Distance NM	Height ft	Power C TIT	Speed kts
a	0.00	2,750 MSL	970 Takeoff	170
b	1.09	2,750 MSL	977 Takeoff	170
c	2.25	3,000 MSL	977 Takeoff	170
d	3.56	3,400 MSL	932 Takeoff	170
e	11.32	4,300 MSL	932 Takeoff	170
f	21.85	4,300 MSL	932 Takeoff	150
g	24.74	3,400 MSL	932 Approach	150
h	29.50	3,000 MSL	932 Approach	150
i	33.41	2,750 MSL	932 Approach	150



Flight Profile EC-12CA
PAR/Tacan/ILS---55 ECG

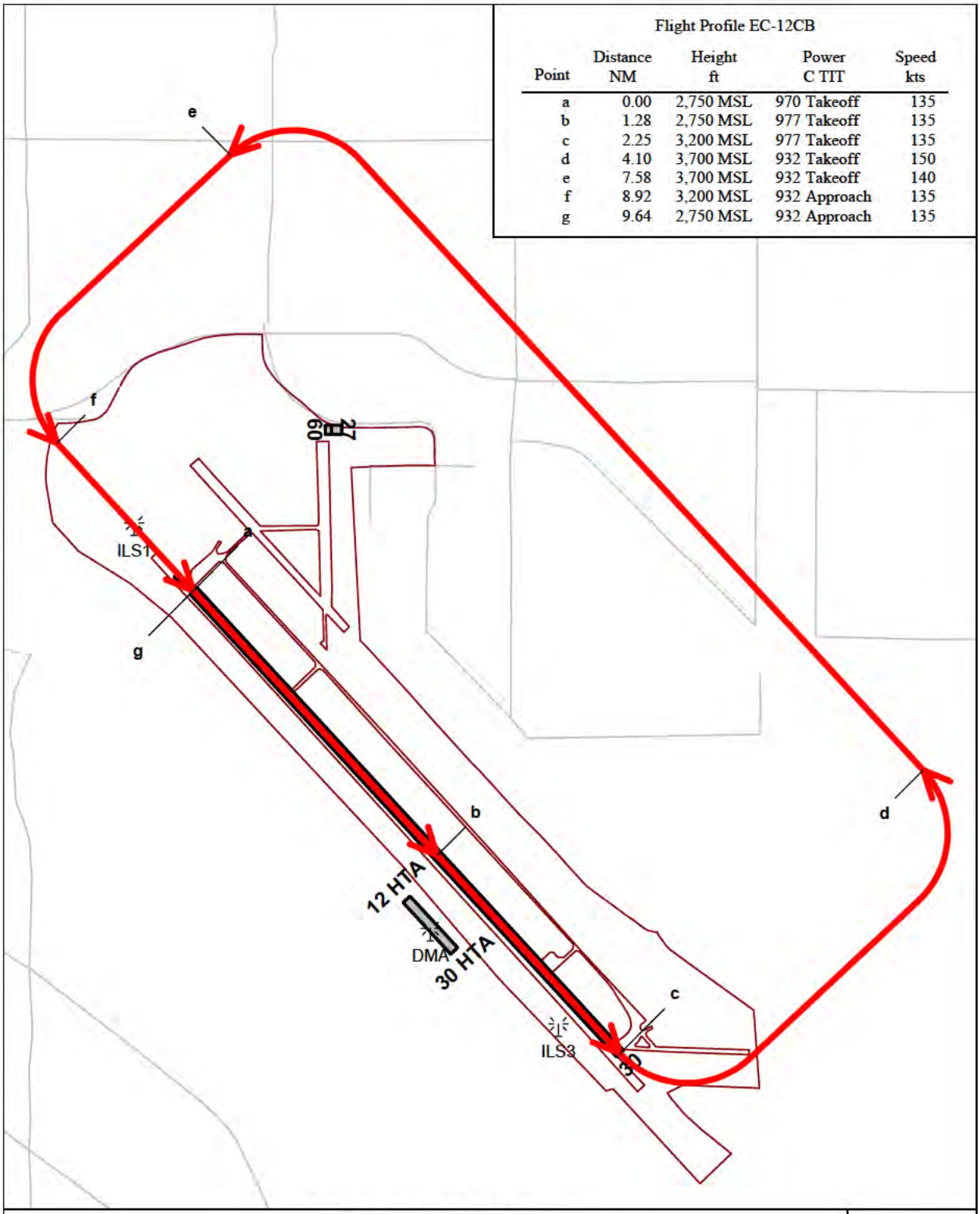
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000

Scale in Feet 1:142,000 (1 inch = 11,800 feet)

N

Flight Profile EC-12CB

Point	Distance NM	Height ft	Power C TIT	Speed kts
a	0.00	2,750 MSL	970 Takeoff	135
b	1.28	2,750 MSL	977 Takeoff	135
c	2.25	3,200 MSL	977 Takeoff	135
d	4.10	3,700 MSL	932 Takeoff	150
e	7.58	3,700 MSL	932 Takeoff	140
f	8.92	3,200 MSL	932 Approach	135
g	9.64	2,750 MSL	932 Approach	135

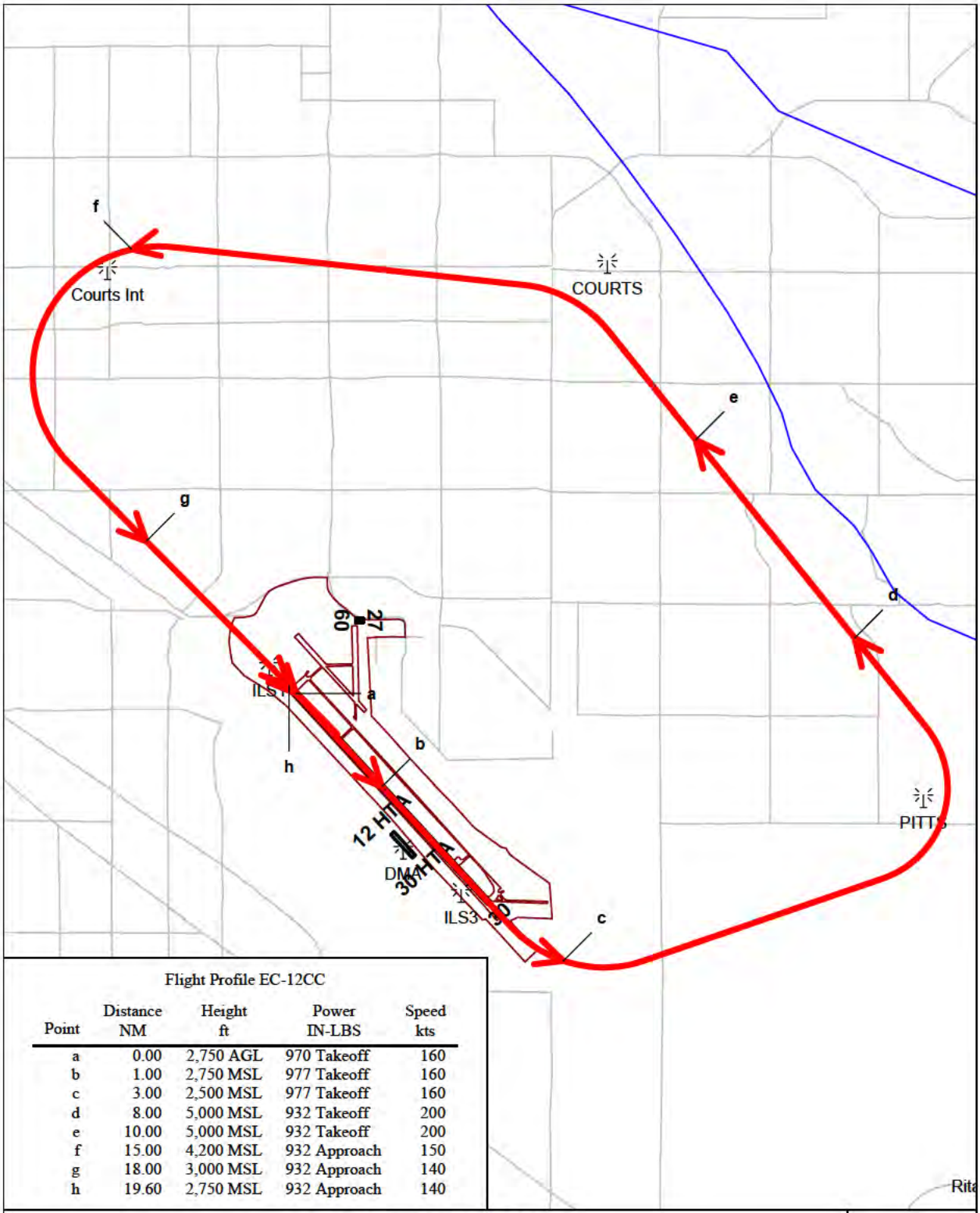


Flight Profile EC-12CB
VFR Rectangle--55 ECG

0 2,000 4,000 6,000 8,000 10,000 12,000

Scale in Feet 1:39,000 (1 inch = 3,250 feet)

N



Flight Profile EC-12CC

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	2,750 AGL	970 Takeoff	160
b	1.00	2,750 MSL	977 Takeoff	160
c	3.00	2,500 MSL	977 Takeoff	160
d	8.00	5,000 MSL	932 Takeoff	200
e	10.00	5,000 MSL	932 Takeoff	200
f	15.00	4,200 MSL	932 Approach	150
g	18.00	3,000 MSL	932 Approach	140
h	19.60	2,750 MSL	932 Approach	140

Flight Profile EC-12CC

Re-entry--55 ECG

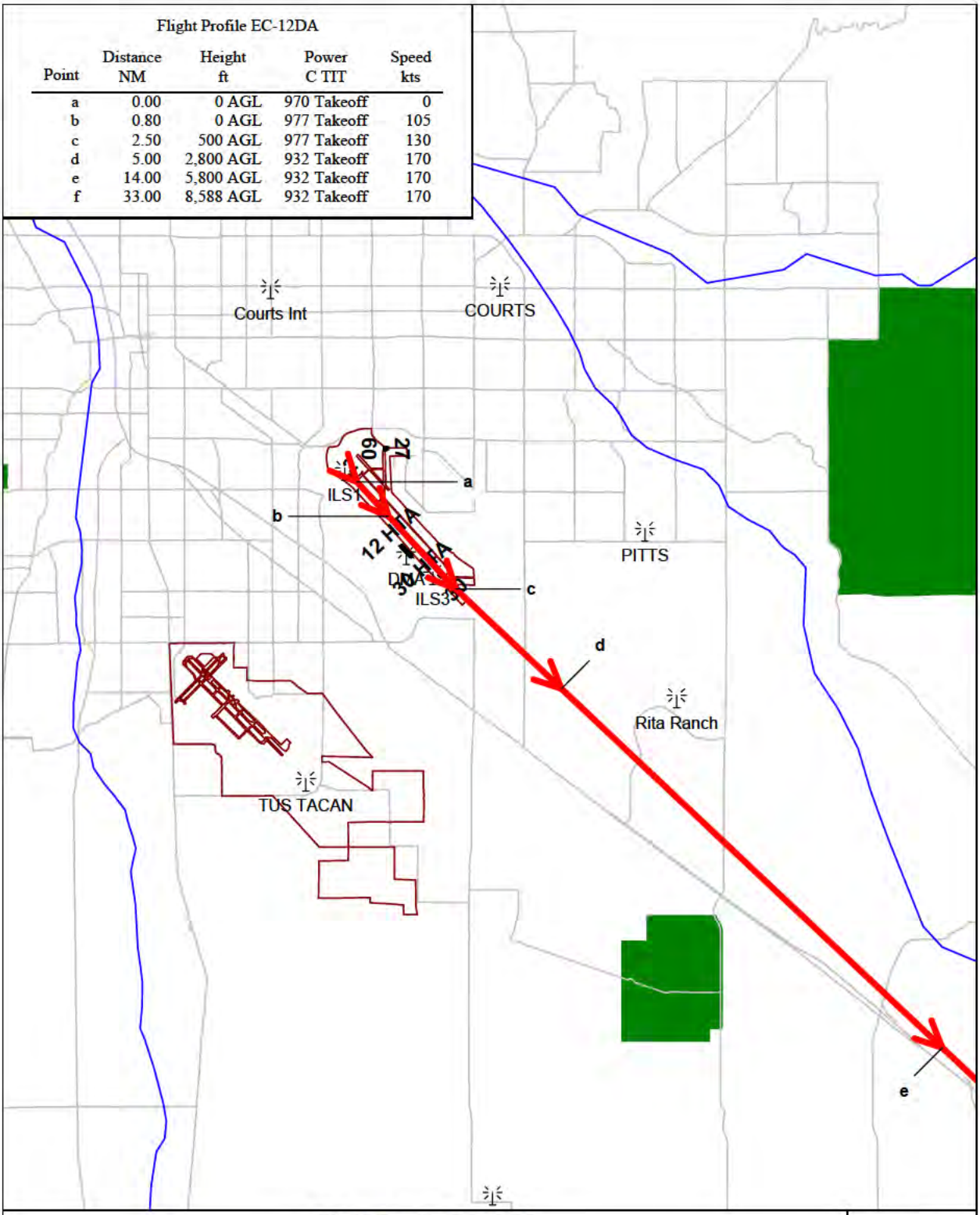
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:86,300 (1 inch = 7,190 feet)

N

Flight Profile EC-12DA

Point	Distance NM	Height ft	Power C TIT	Speed kts
a	0.00	0 AGL	970 Takeoff	0
b	0.80	0 AGL	977 Takeoff	105
c	2.50	500 AGL	977 Takeoff	130
d	5.00	2,800 AGL	932 Takeoff	170
e	14.00	5,800 AGL	932 Takeoff	170
f	33.00	8,588 AGL	932 Takeoff	170



Flight Profile EC-12DA
DME 3--55 ECG

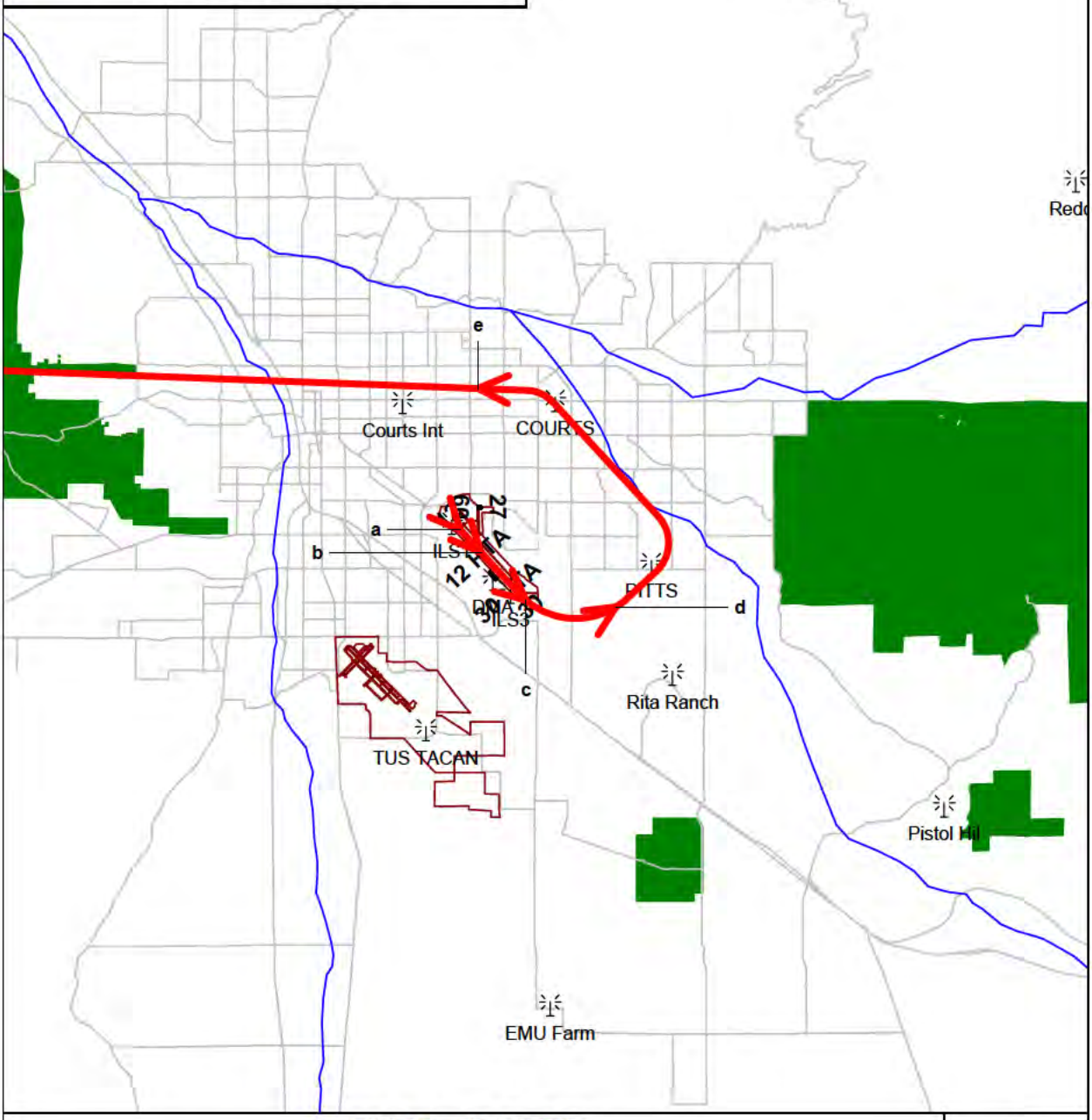
0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:188,000 (1 inch = 15,700 feet)

N

Flight Profile EC-12DB

Point	Distance NM	Height ft	Power C TIT	Speed kts
a	0.00	0 AGL	970 Takeoff	0
b	0.80	0 AGL	977 Takeoff	105
c	2.50	500 AGL	977 Takeoff	130
d	5.00	2,800 AGL	932 Takeoff	170
e	14.00	5,800 AGL	932 Takeoff	170
f	33.00	8,588 AGL	932 Takeoff	170

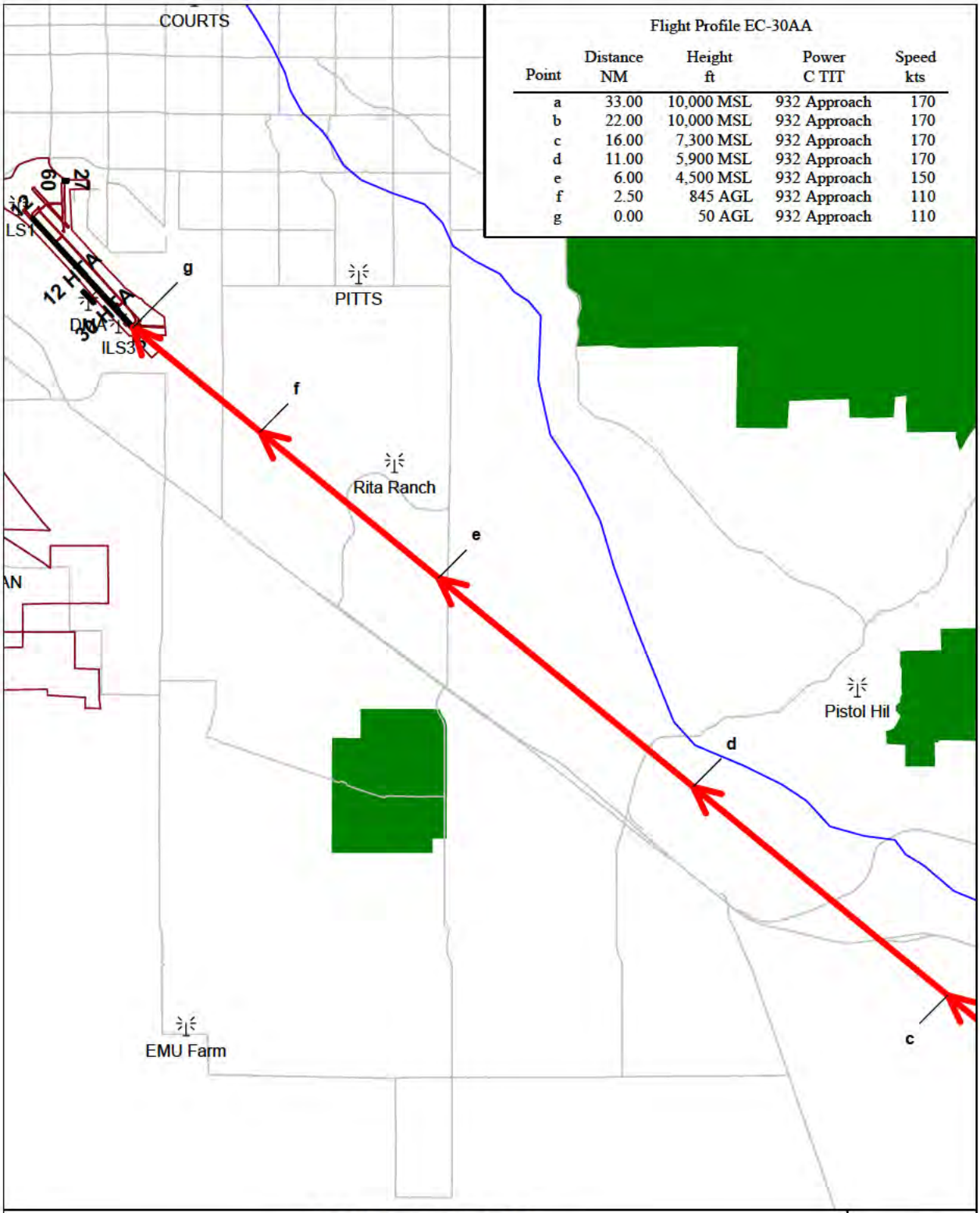


Flight Profile EC-12DB
Herk--55 ECG

0 20,000 40,000 60,000 80,000 100,000

Scale in Feet 1:315,000 (1 inch = 26,300 feet)

N



Flight Profile EC-30AA

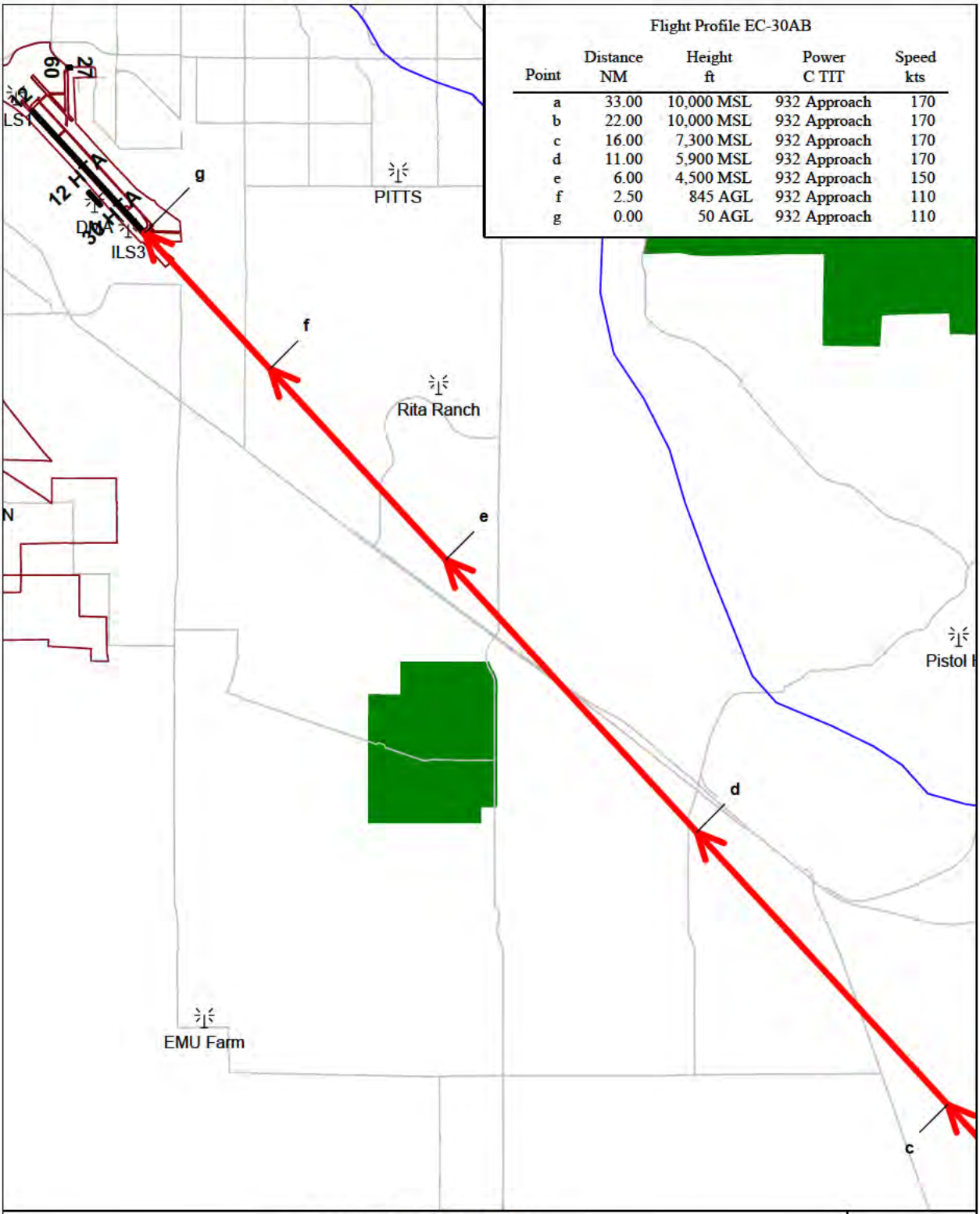
Point	Distance NM	Height ft	Power C TIT	Speed kts
a	33.00	10,000 MSL	932 Approach	170
b	22.00	10,000 MSL	932 Approach	170
c	16.00	7,300 MSL	932 Approach	170
d	11.00	5,900 MSL	932 Approach	170
e	6.00	4,500 MSL	932 Approach	150
f	2.50	845 AGL	932 Approach	110
g	0.00	50 AGL	932 Approach	110

Flight Profile EC-30AA
TACAN--55 ECG

0 10,000 20,000 30,000 40,000 50,000

Scale in Feet 1:166,000 (1 inch = 13,800 feet)

N



Flight Profile EC-30AB

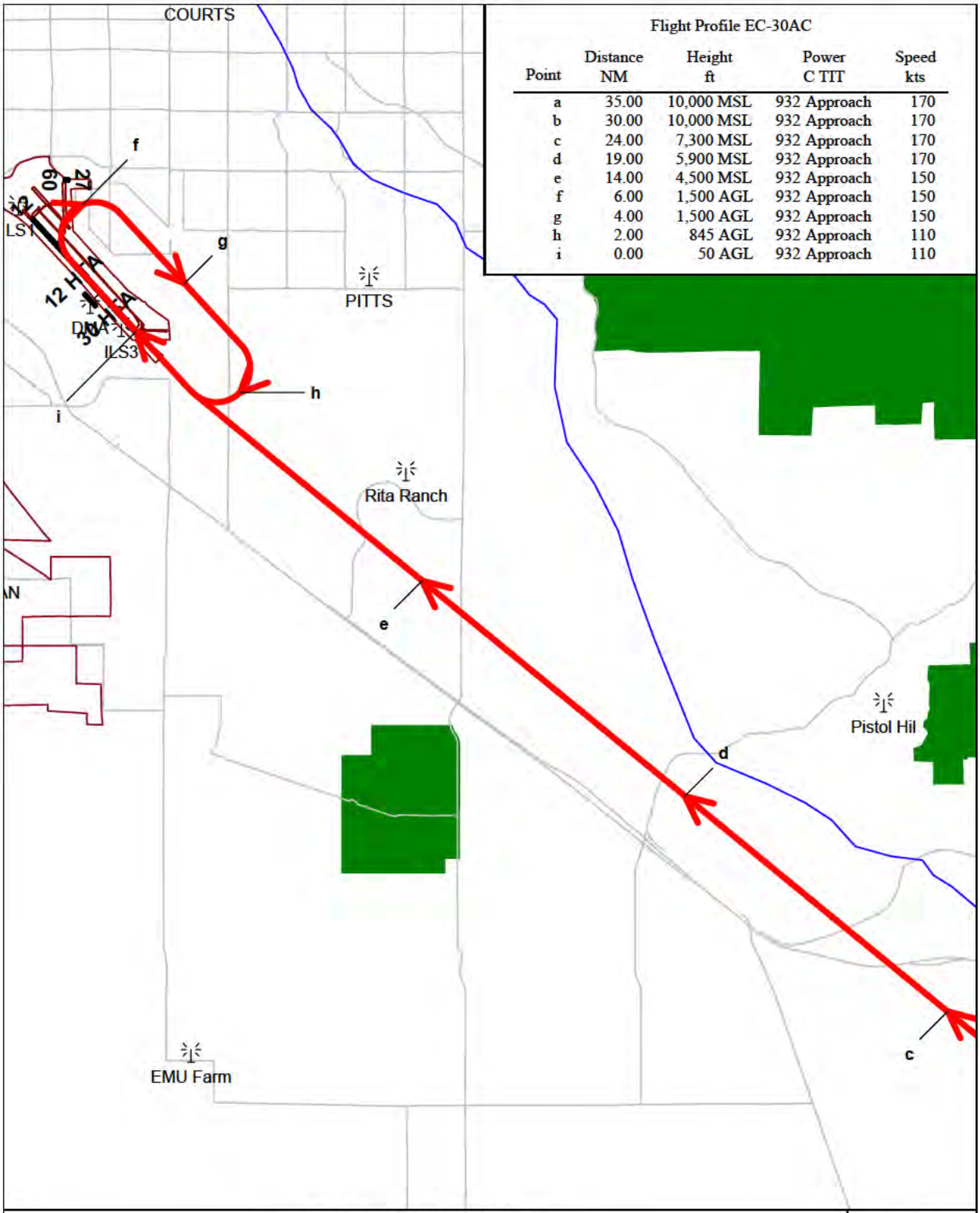
Point	Distance NM	Height ft	Power C TIT	Speed kts
a	33.00	10,000 MSL	932 Approach	170
b	22.00	10,000 MSL	932 Approach	170
c	16.00	7,300 MSL	932 Approach	170
d	11.00	5,900 MSL	932 Approach	170
e	6.00	4,500 MSL	932 Approach	150
f	2.50	845 AGL	932 Approach	110
g	0.00	50 AGL	932 Approach	110

Flight Profile EC-30AB
PAR/ILS--55 ECG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:148,000 (1 inch = 12,300 feet)

N



Flight Profile EC-30AC

Point	Distance NM	Height ft	Power C TIT	Speed kts
a	35.00	10,000 MSL	932 Approach	170
b	30.00	10,000 MSL	932 Approach	170
c	24.00	7,300 MSL	932 Approach	170
d	19.00	5,900 MSL	932 Approach	170
e	14.00	4,500 MSL	932 Approach	150
f	6.00	1,500 AGL	932 Approach	150
g	4.00	1,500 AGL	932 Approach	150
h	2.00	845 AGL	932 Approach	110
i	0.00	50 AGL	932 Approach	110

Flight Profile EC-30AC
VFR with overhead--55ECG

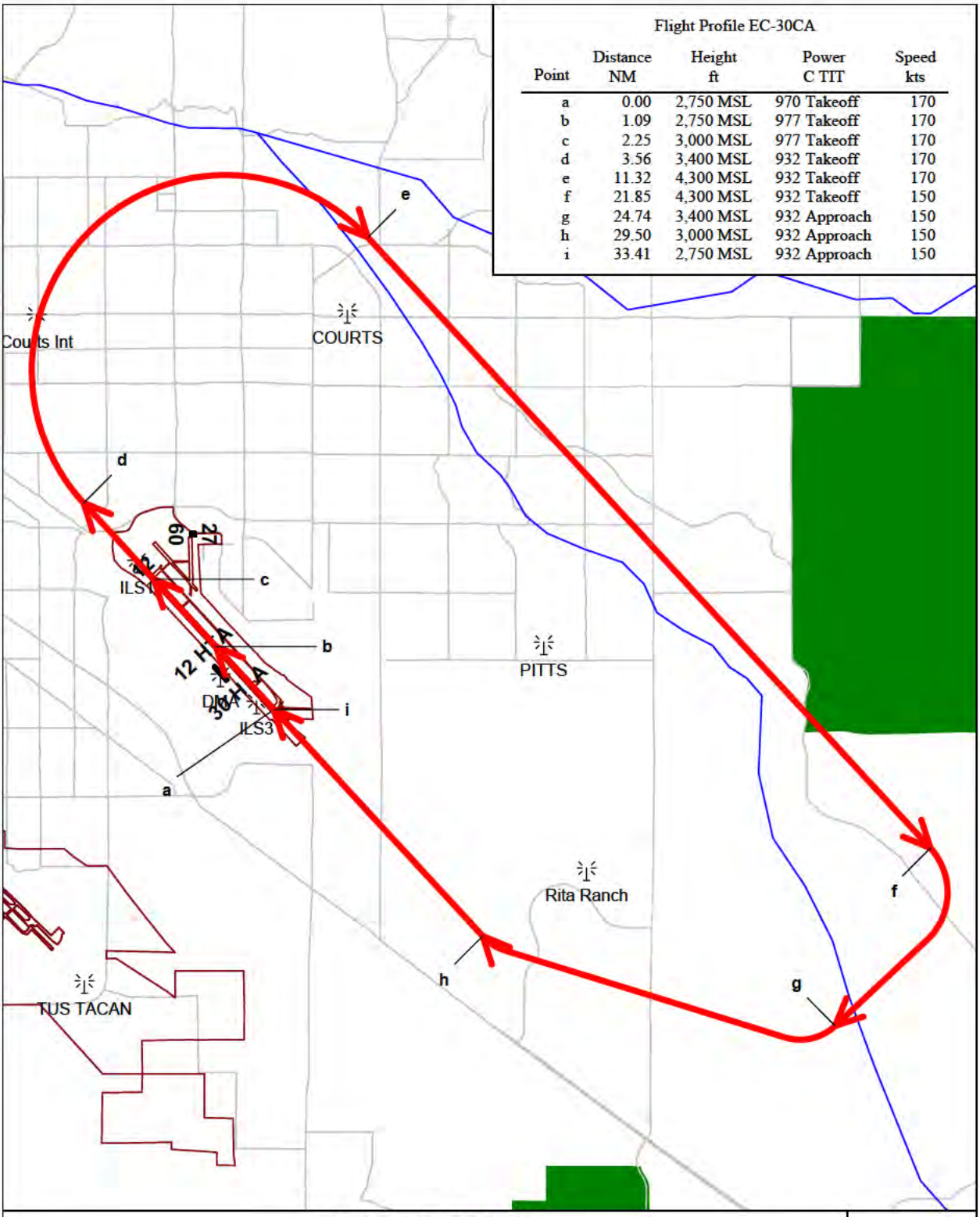
0 10,000 20,000 30,000 40,000 50,000

Scale in Feet 1:161,000 (1 inch = 13,400 feet)

N

Flight Profile EC-30CA

Point	Distance NM	Height ft	Power C TIT	Speed kts
a	0.00	2,750 MSL	970 Takeoff	170
b	1.09	2,750 MSL	977 Takeoff	170
c	2.25	3,000 MSL	977 Takeoff	170
d	3.56	3,400 MSL	932 Takeoff	170
e	11.32	4,300 MSL	932 Takeoff	170
f	21.85	4,300 MSL	932 Takeoff	150
g	24.74	3,400 MSL	932 Approach	150
h	29.50	3,000 MSL	932 Approach	150
i	33.41	2,750 MSL	932 Approach	150

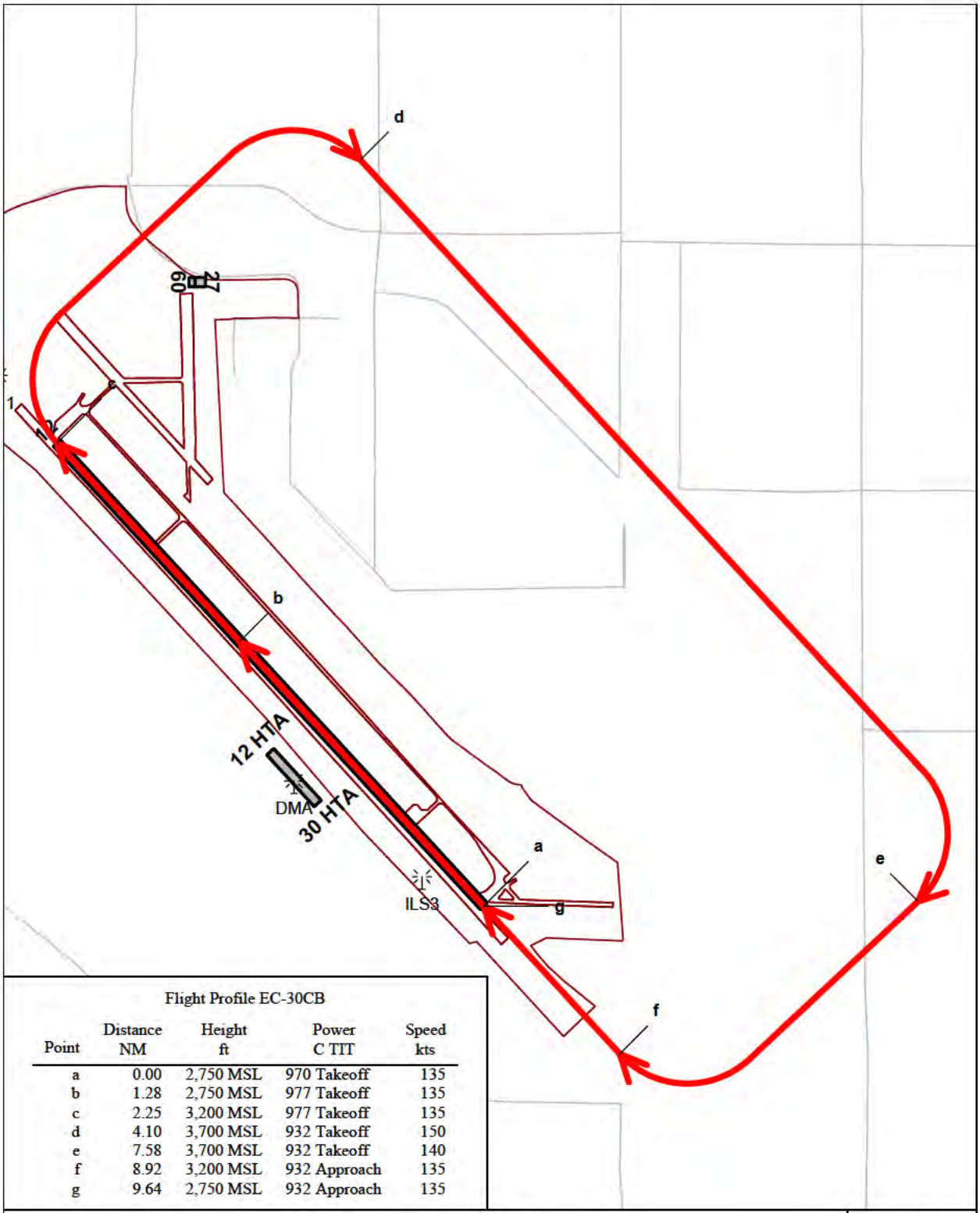


Flight Profile EC-30CA
PAR/Tacan/ILS-55 ECG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000

Scale in Feet 1:139,000 (1 inch = 11,600 feet)

N



Flight Profile EC-30CB

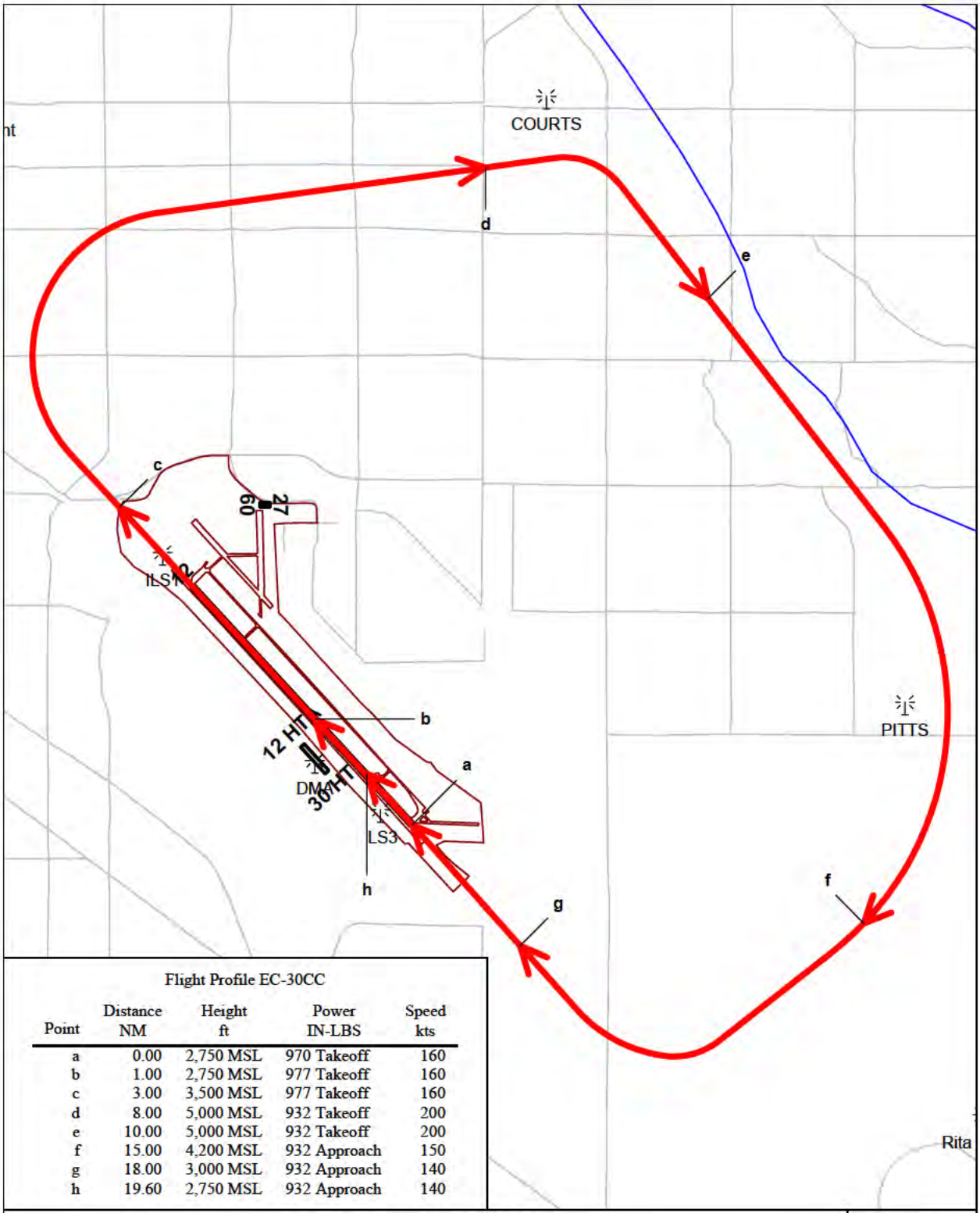
Point	Distance NM	Height ft	Power C TIT	Speed kts
a	0.00	2,750 MSL	970 Takeoff	135
b	1.28	2,750 MSL	977 Takeoff	135
c	2.25	3,200 MSL	977 Takeoff	135
d	4.10	3,700 MSL	932 Takeoff	150
e	7.58	3,700 MSL	932 Takeoff	140
f	8.92	3,200 MSL	932 Approach	135
g	9.64	2,750 MSL	932 Approach	135

Flight Profile EC-30CB
VFR Rectangle-55 ECG

0 2,000 4,000 6,000 8,000 10,000 12,000

Scale in Feet 1:39,000 (1 inch = 3,250 feet)

N



Flight Profile EC-30CC

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	2,750 MSL	970 Takeoff	160
b	1.00	2,750 MSL	977 Takeoff	160
c	3.00	3,500 MSL	977 Takeoff	160
d	8.00	5,000 MSL	932 Takeoff	200
e	10.00	5,000 MSL	932 Takeoff	200
f	15.00	4,200 MSL	932 Approach	150
g	18.00	3,000 MSL	932 Approach	140
h	19.60	2,750 MSL	932 Approach	140

Flight Profile EC-30CC
Re-entry-55 ECG

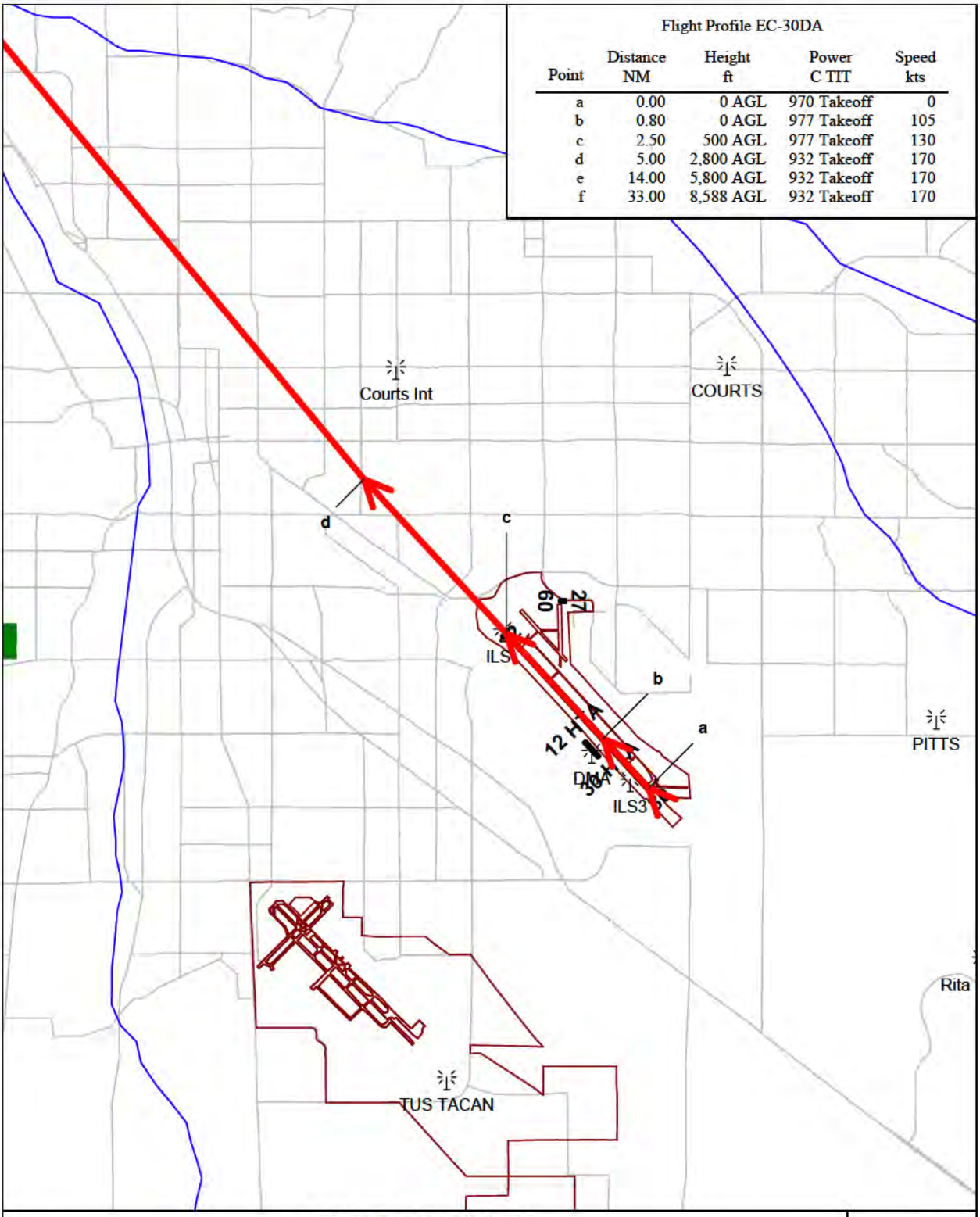
0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:76,000 (1 inch = 6,340 feet)

N

Flight Profile EC-30DA

Point	Distance NM	Height ft	Power C TIT	Speed kts
a	0.00	0 AGL	970 Takeoff	0
b	0.80	0 AGL	977 Takeoff	105
c	2.50	500 AGL	977 Takeoff	130
d	5.00	2,800 AGL	932 Takeoff	170
e	14.00	5,800 AGL	932 Takeoff	170
f	33.00	8,588 AGL	932 Takeoff	170



Flight Profile EC-30DA
DME 3--55 ECG

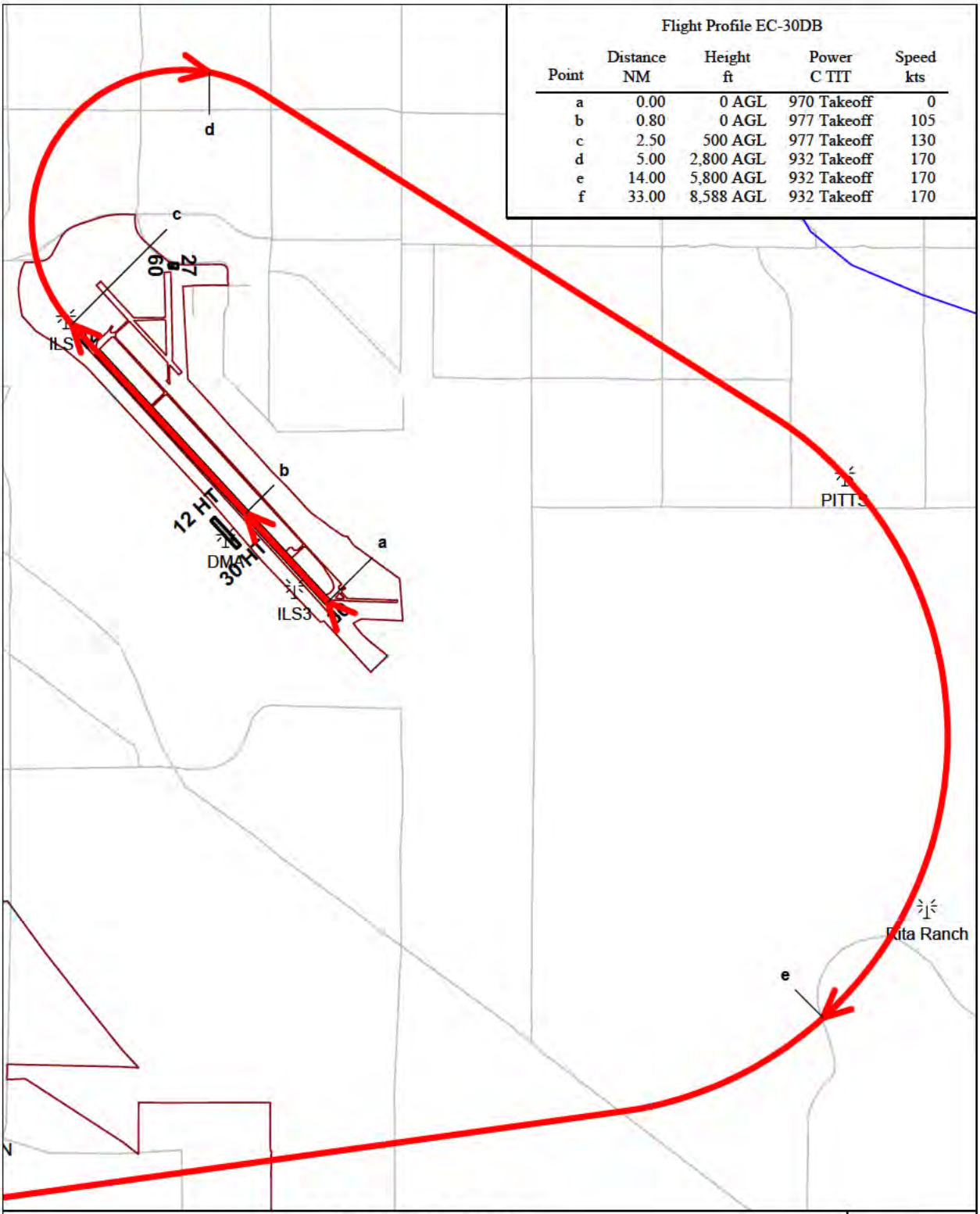
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000

Scale in Feet 1:130,000 (1 inch = 10,900 feet)

N

Flight Profile EC-30DB

Point	Distance NM	Height ft	Power C TIT	Speed kts
a	0.00	0 AGL	970 Takeoff	0
b	0.80	0 AGL	977 Takeoff	105
c	2.50	500 AGL	977 Takeoff	130
d	5.00	2,800 AGL	932 Takeoff	170
e	14.00	5,800 AGL	932 Takeoff	170
f	33.00	8,588 AGL	932 Takeoff	170



Flight Profile EC-30DB
Herk--55 ECG

0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:72,500 (1 inch = 6,040 feet)

N

Static Profile Details

Eng Pp 55 - Eng & Prop Change--55 ECG

Notes Eng & Prop Change
Aircraft C-130H&N&P
Engine T56-A-15
Suppressor NONE
Pad Axis Ramp - C-130 aircraft
Heading 270 ° mag
Profile Segments

Power IN-LBS	Day Ops	Night Ops	Duration sec	Number Engines
1200 Idle	0.0154	0	2700	4
9000 Power Runup	0.0154	0	600	4
3500 Idle	0.0154	0	300	4
16800 Takeoff	0.0154	0	1200	4
9000 Power Runup	0.0154	0	1200	4

Prop - Prop--55 ECG

Notes
Aircraft C-130H&N&P
Engine T56-A-15
Suppressor NONE
Pad Axis Ramp - C-130 aircraft
Heading 270 ° mag
Profile Segments

Power IN-LBS	Day Ops	Night Ops	Duration sec	Number Engines
1200 Idle	0.0231	0	1800	2
8000 Power Runup	0.0231	0	600	2
3500 Idle	0.0231	0	300	2
16800 Takeoff	0.0231	0	300	2
9000 Power Runup	0.0231	0	300	2

Run-up 55 - Run-up--55 ECG

Notes Assume 15 min. run-up with 30 seconds of power. Assume 3 runs per sortie.
Aircraft C-130H&N&P
Engine T56-A-15
Suppressor NONE
Pad Axis Ramp - C-130 aircraft
Heading 125 ° mag
Profile Segments

Power IN-LBS	Day Ops	Night Ops	Duration sec	Number Engines
1400 Idle	5.9769	0	870	4
9600 Power Runup	5.9769	0	30	4

ATTACHMENT 6

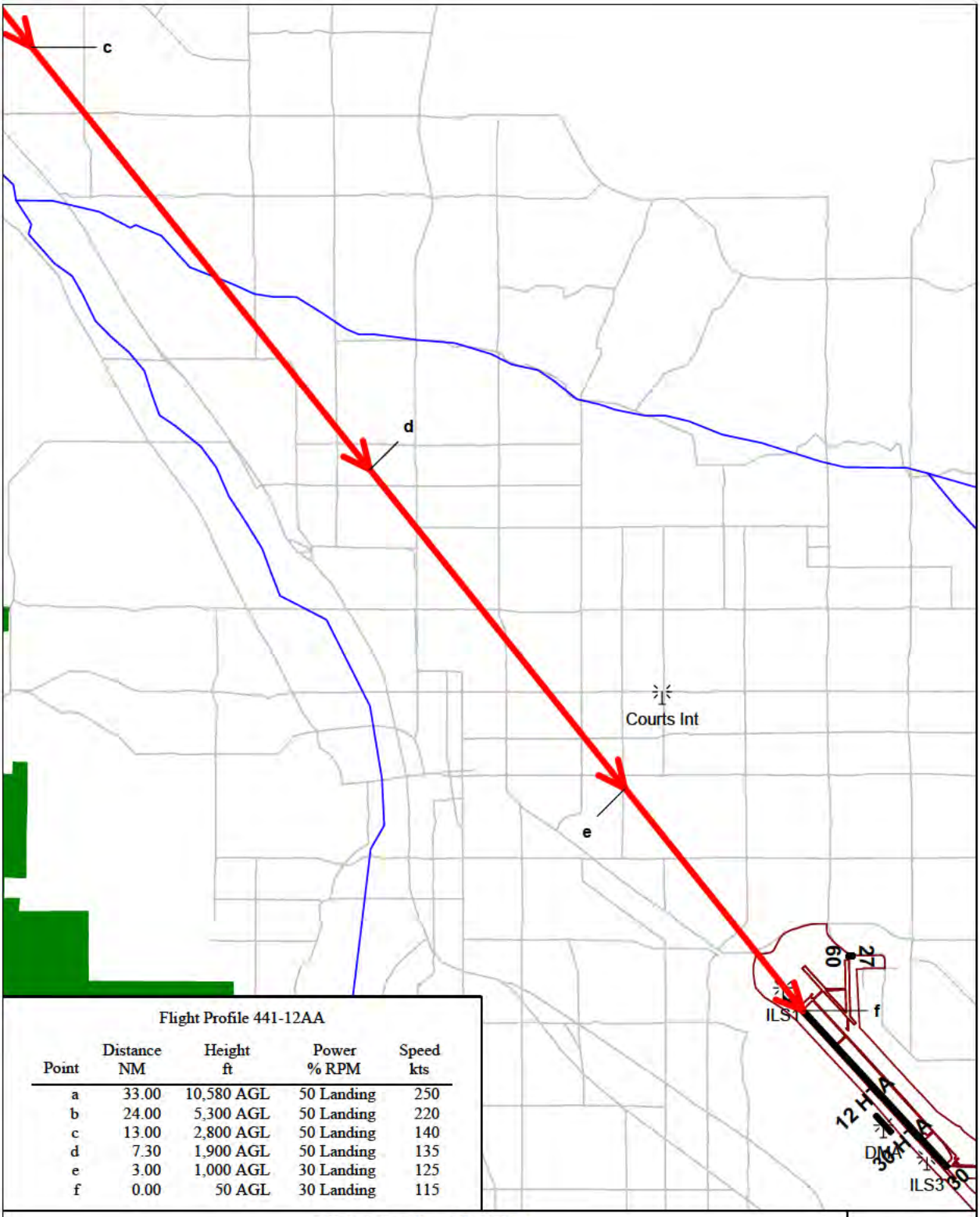
CBP SUMMARY DATA

2007 AICUZ Re-Validation 07/30/07

CBP Flight Profile Operations Summary

12:17 PM
Monday, September 24, 2007
BaseOps 7.3

Maps of Flight Profiles



Flight Profile 441-12AA

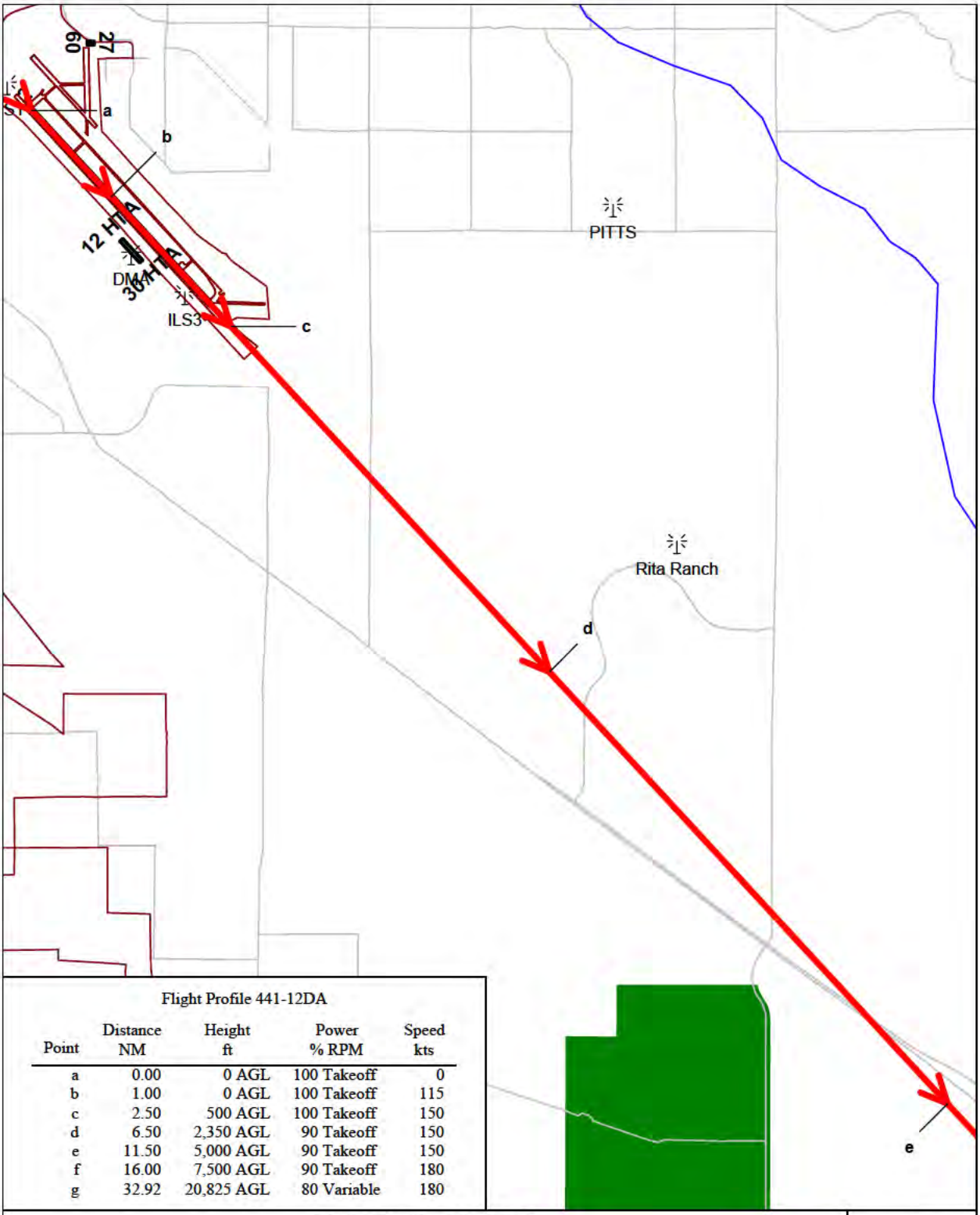
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	33.00	10,580 AGL	50 Landing	250
b	24.00	5,300 AGL	50 Landing	220
c	13.00	2,800 AGL	50 Landing	140
d	7.30	1,900 AGL	50 Landing	135
e	3.00	1,000 AGL	30 Landing	125
f	0.00	50 AGL	30 Landing	115

Flight Profile 441-12AA
Cessna 441--CBP

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:115,000 (1 inch = 9,620 feet)

N



Flight Profile 441-12DA

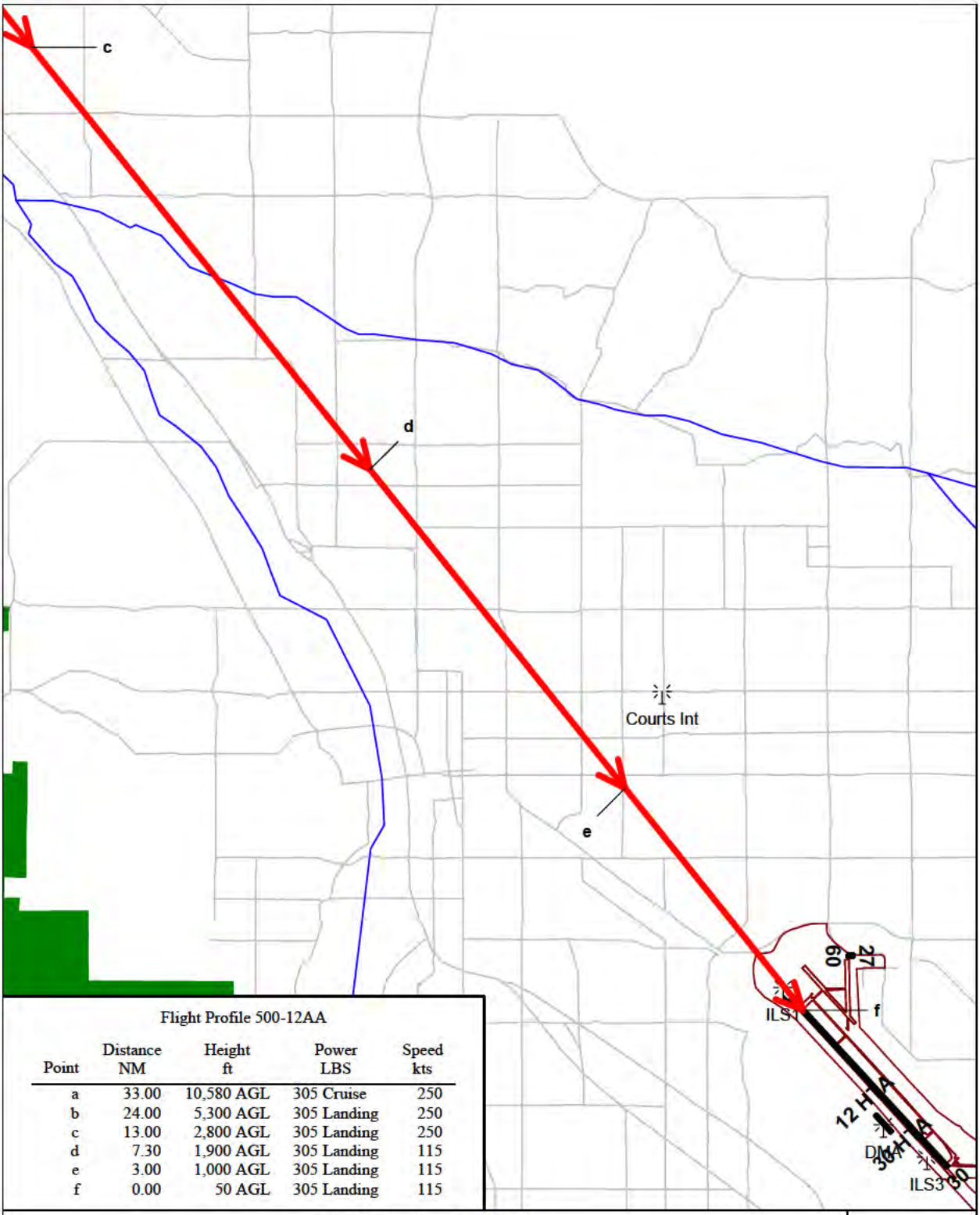
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	100 Takeoff	0
b	1.00	0 AGL	100 Takeoff	115
c	2.50	500 AGL	100 Takeoff	150
d	6.50	2,350 AGL	90 Takeoff	150
e	11.50	5,000 AGL	90 Takeoff	150
f	16.00	7,500 AGL	90 Takeoff	180
g	32.92	20,825 AGL	80 Variable	180

Flight Profile 441-12DA
Cessna 441-CBP

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:93,200 (1 inch = 7,770 feet)

N



Flight Profile 500-12AA

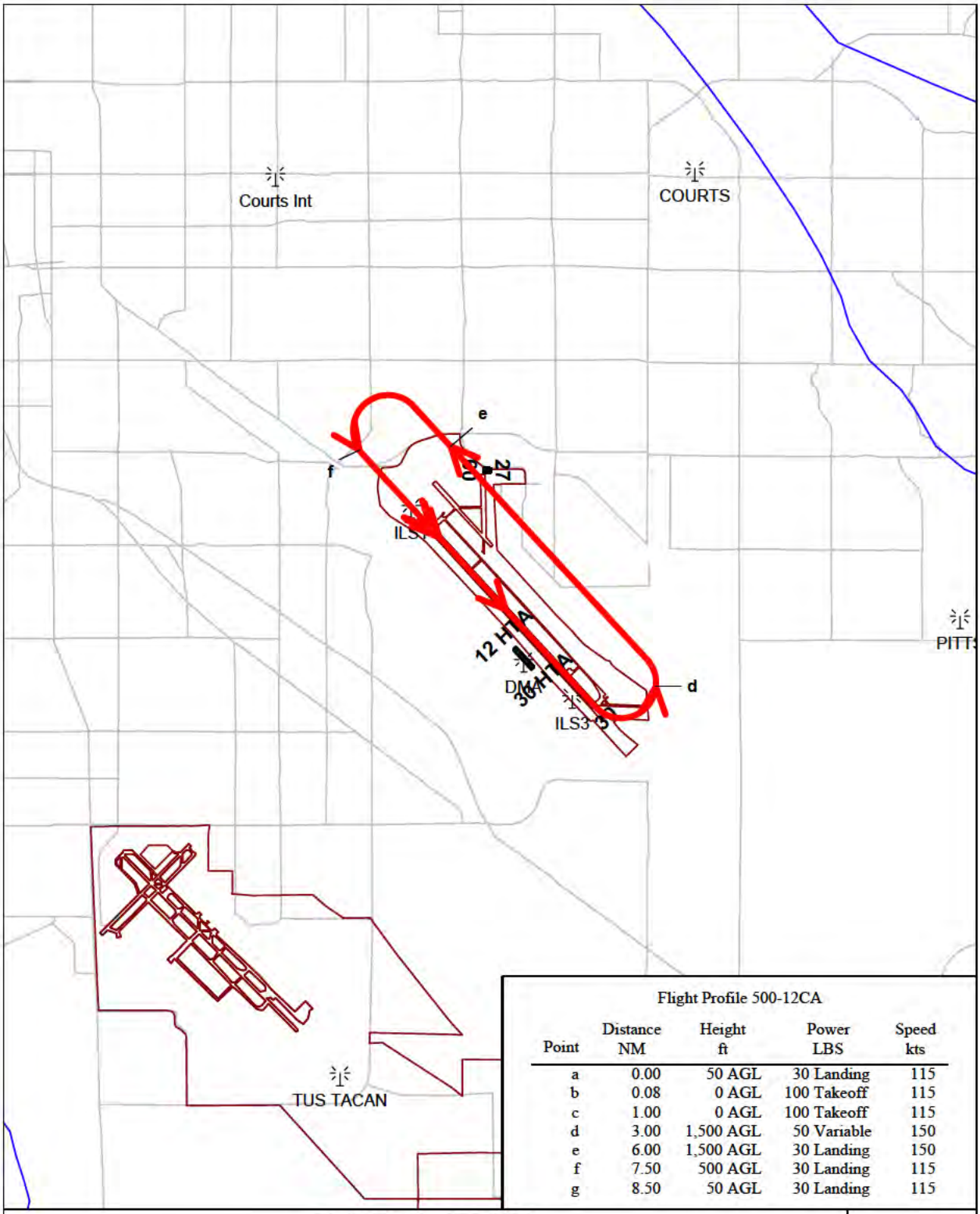
Point	Distance NM	Height ft	Power LBS	Speed kts
a	33.00	10,580 AGL	305 Cruise	250
b	24.00	5,300 AGL	305 Landing	250
c	13.00	2,800 AGL	305 Landing	250
d	7.30	1,900 AGL	305 Landing	115
e	3.00	1,000 AGL	305 Landing	115
f	0.00	50 AGL	305 Landing	115

Flight Profile 500-12AA
Turbo Prop Aircraft--CBP

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:115,000 (1 inch = 9,620 feet)

N



Flight Profile 500-12CA

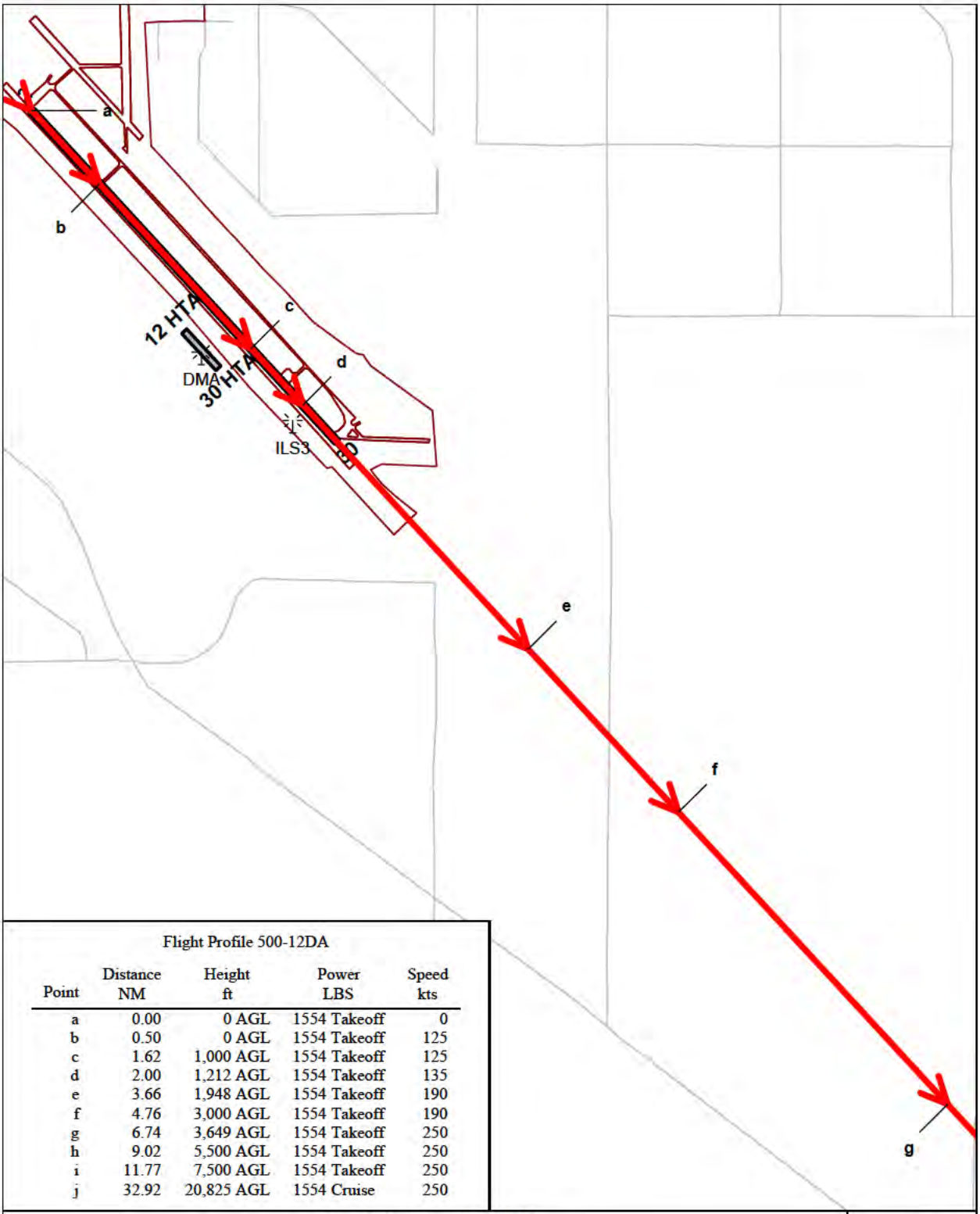
Point	Distance NM	Height ft	Power LBS	Speed kts
a	0.00	50 AGL	30 Landing	115
b	0.08	0 AGL	100 Takeoff	115
c	1.00	0 AGL	100 Takeoff	115
d	3.00	1,500 AGL	50 Variable	150
e	6.00	1,500 AGL	30 Landing	150
f	7.50	500 AGL	30 Landing	115
g	8.50	50 AGL	30 Landing	115

Flight Profile 500-12CA
VFR Pattern--CBP

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000

Scale in Feet 1:103,000 (1 inch = 8,570 feet)

N



Flight Profile 500-12DA

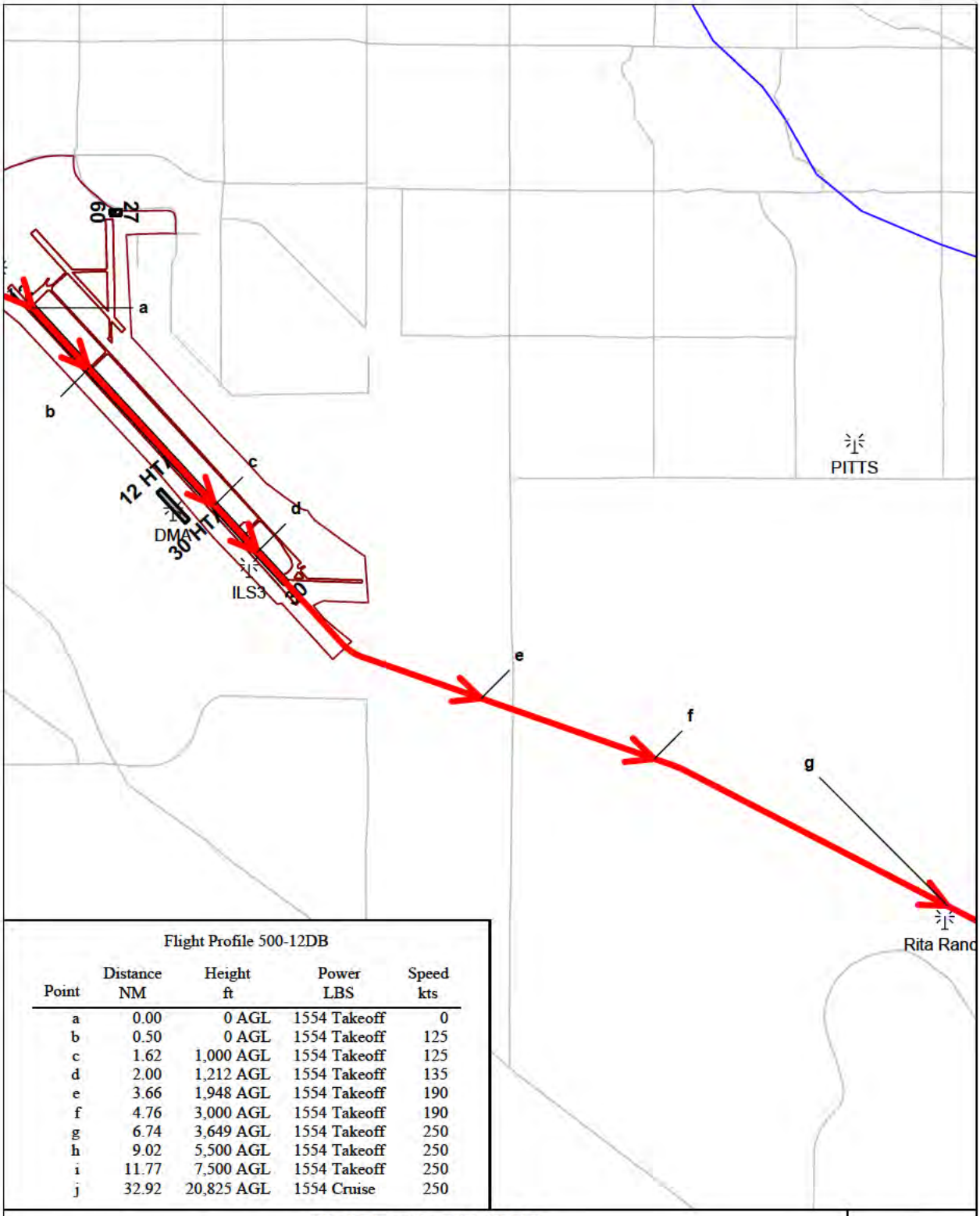
Point	Distance NM	Height ft	Power LBS	Speed kts
a	0.00	0 AGL	1554 Takeoff	0
b	0.50	0 AGL	1554 Takeoff	125
c	1.62	1,000 AGL	1554 Takeoff	125
d	2.00	1,212 AGL	1554 Takeoff	135
e	3.66	1,948 AGL	1554 Takeoff	190
f	4.76	3,000 AGL	1554 Takeoff	190
g	6.74	3,649 AGL	1554 Takeoff	250
h	9.02	5,500 AGL	1554 Takeoff	250
i	11.77	7,500 AGL	1554 Takeoff	250
j	32.92	20,825 AGL	1554 Cruise	250

Flight Profile 500-12DA
VFR Turbo Prop Aircraft--CBP

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:54,700 (1 inch = 4,550 feet)

N



Flight Profile 500-12DB

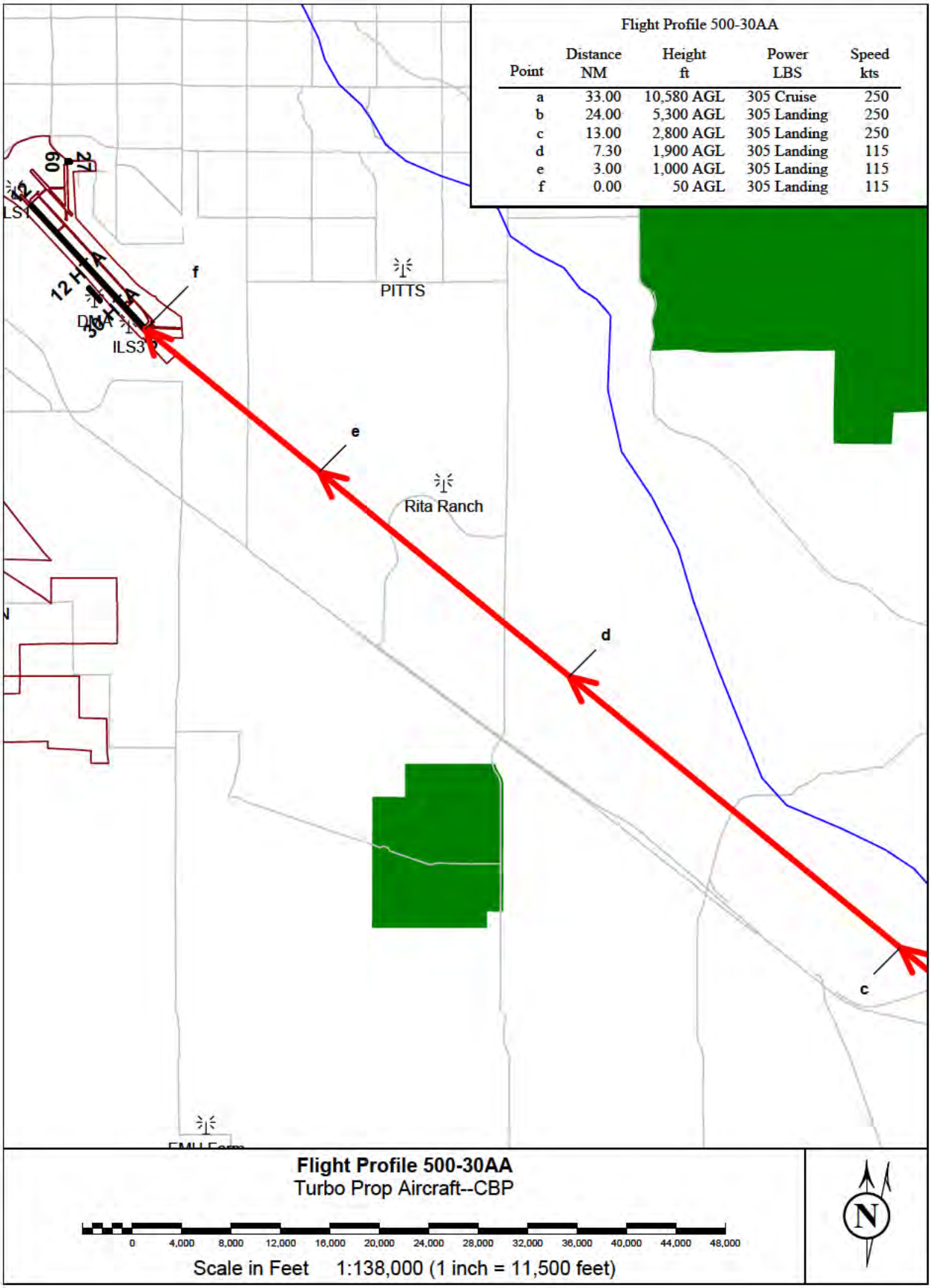
Point	Distance NM	Height ft	Power LBS	Speed kts
a	0.00	0 AGL	1554 Takeoff	0
b	0.50	0 AGL	1554 Takeoff	125
c	1.62	1,000 AGL	1554 Takeoff	125
d	2.00	1,212 AGL	1554 Takeoff	135
e	3.66	1,948 AGL	1554 Takeoff	190
f	4.76	3,000 AGL	1554 Takeoff	190
g	6.74	3,649 AGL	1554 Takeoff	250
h	9.02	5,500 AGL	1554 Takeoff	250
i	11.77	7,500 AGL	1554 Takeoff	250
j	32.92	20,825 AGL	1554 Cruise	250

Flight Profile 500-12DB
IFR Turbo Prop Aircraft--CBP

0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:65,900 (1 inch = 5,490 feet)

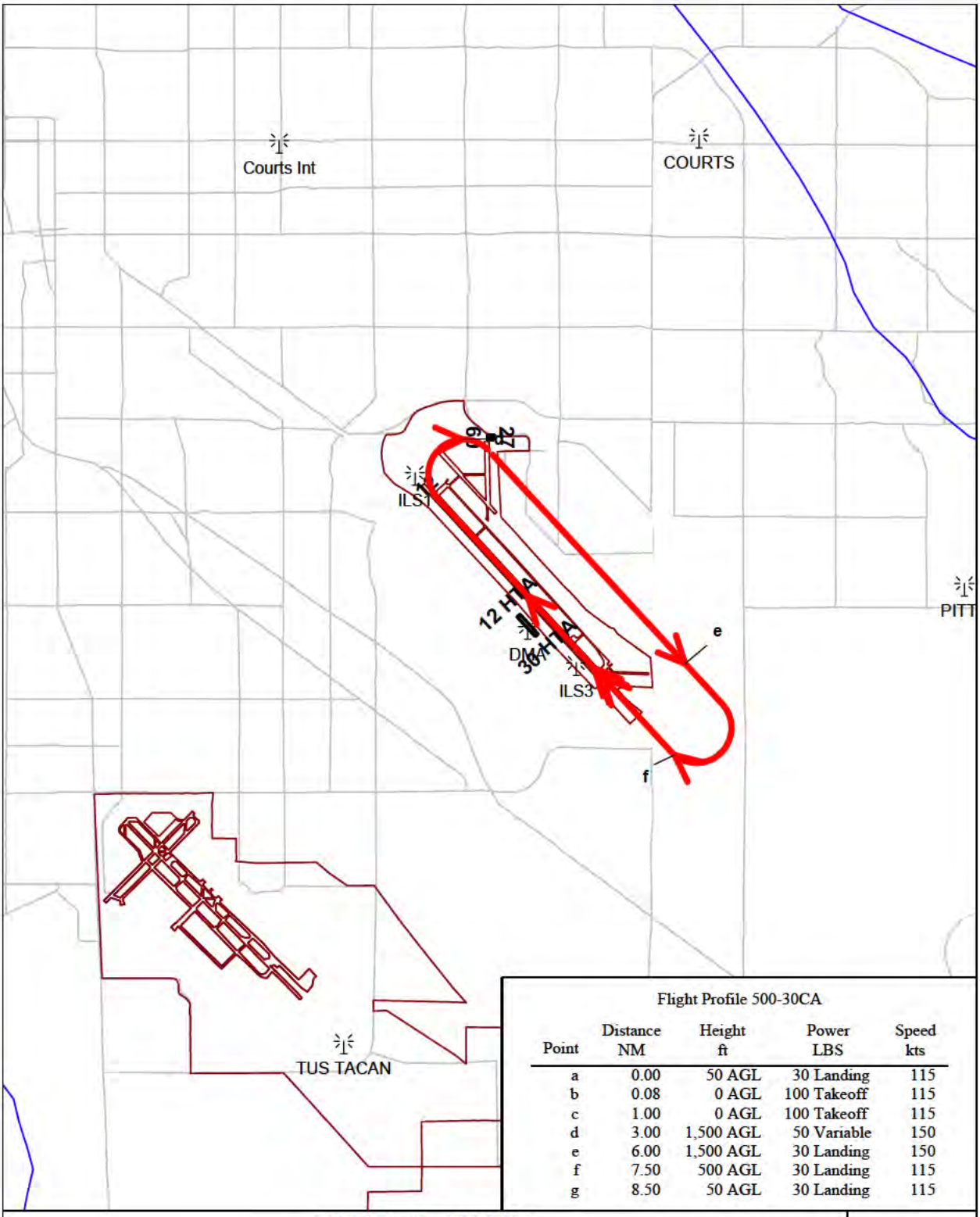
N



Flight Profile 500-30AA
Turbo Prop Aircraft--CBP

Flight Profile 500-30AA

Point	Distance NM	Height ft	Power LBS	Speed kts
a	33.00	10,580 AGL	305 Cruise	250
b	24.00	5,300 AGL	305 Landing	250
c	13.00	2,800 AGL	305 Landing	250
d	7.30	1,900 AGL	305 Landing	115
e	3.00	1,000 AGL	305 Landing	115
f	0.00	50 AGL	305 Landing	115



Flight Profile 500-30CA

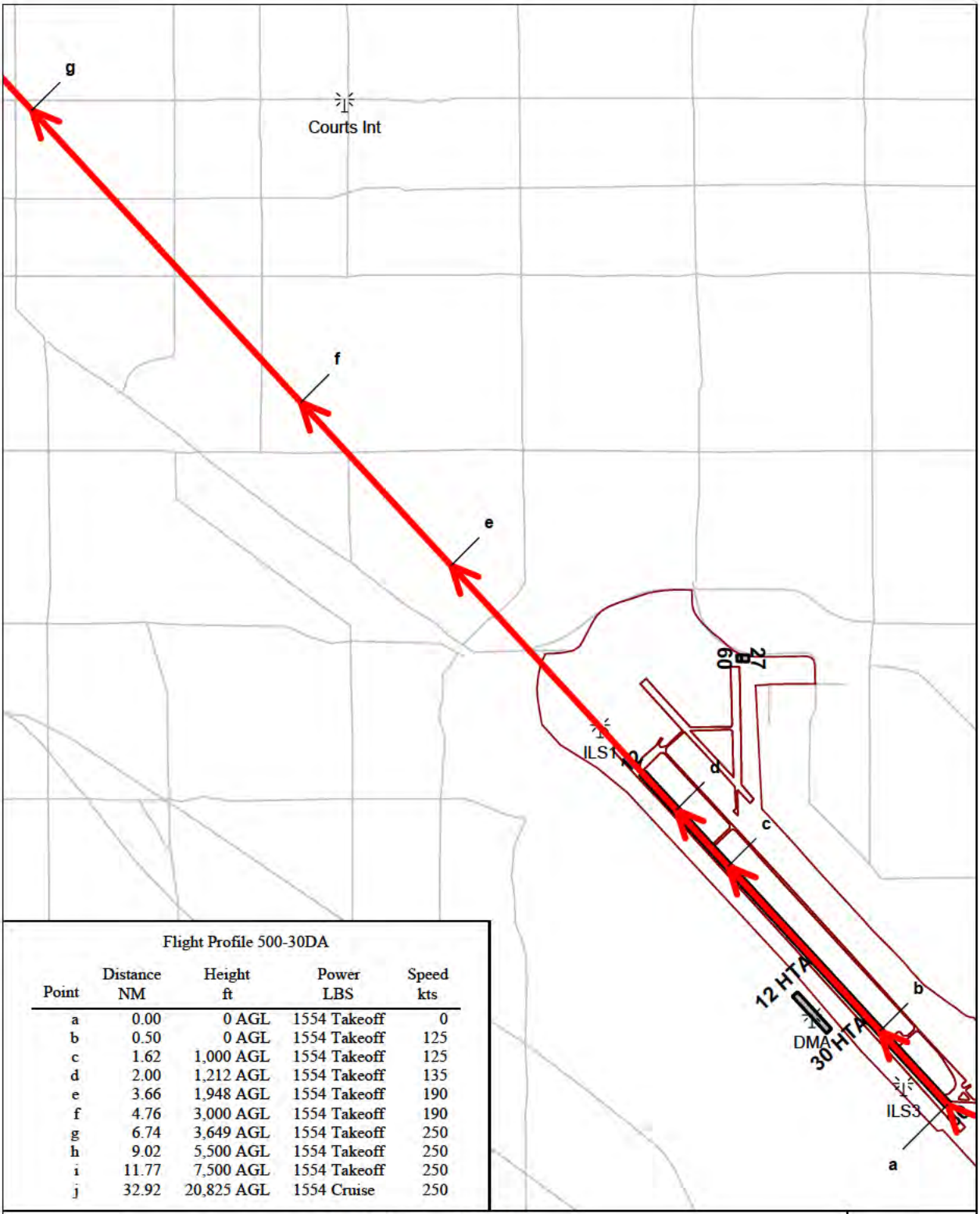
Point	Distance NM	Height ft	Power LBS	Speed kts
a	0.00	50 AGL	30 Landing	115
b	0.08	0 AGL	100 Takeoff	115
c	1.00	0 AGL	100 Takeoff	115
d	3.00	1,500 AGL	50 Variable	150
e	6.00	1,500 AGL	30 Landing	150
f	7.50	500 AGL	30 Landing	115
g	8.50	50 AGL	30 Landing	115

Flight Profile 500-30CA
VFR Pattern--CBP

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000

Scale in Feet 1:103,000 (1 inch = 8,570 feet)

N



Flight Profile 500-30DA

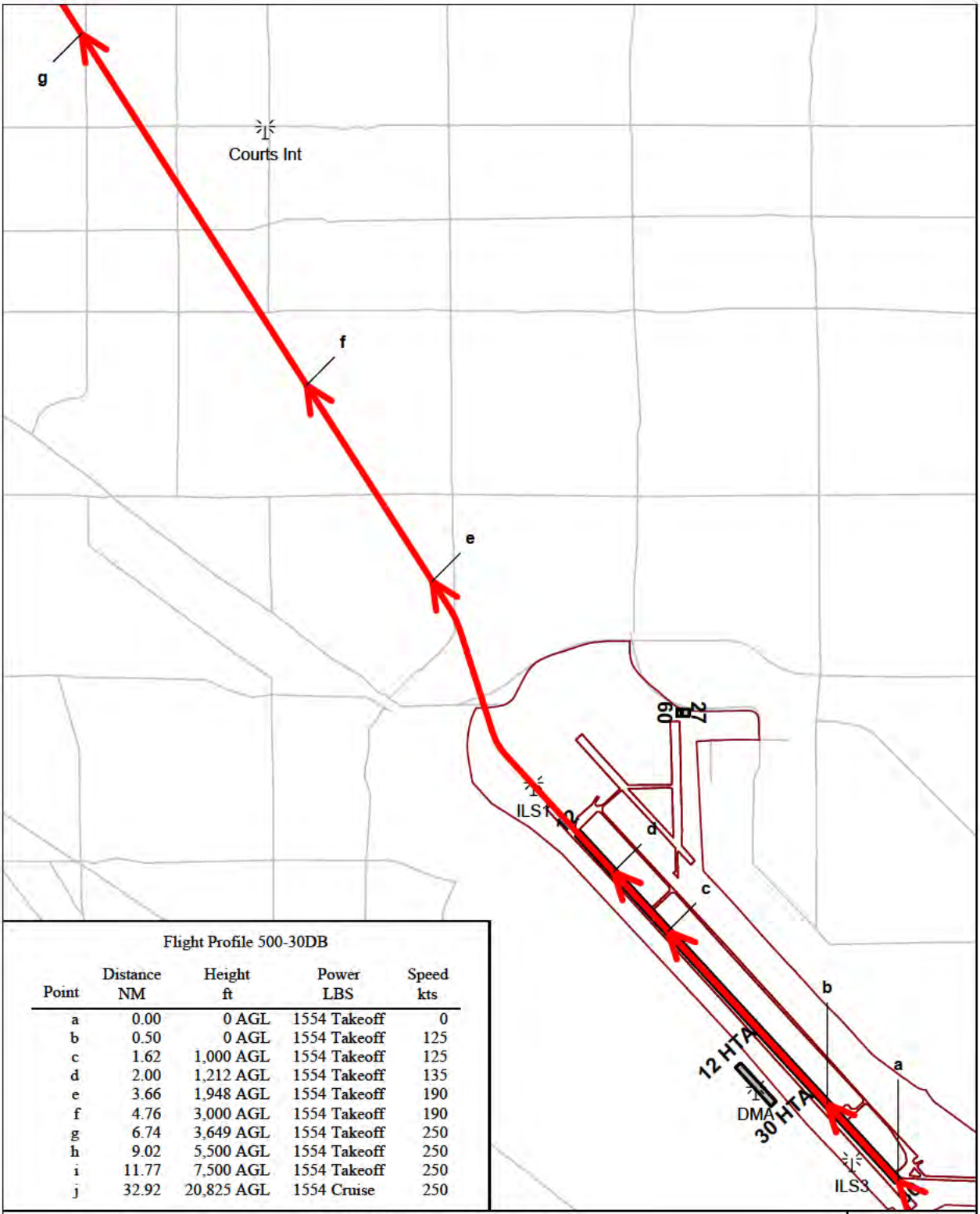
Point	Distance NM	Height ft	Power LBS	Speed kts
a	0.00	0 AGL	1554 Takeoff	0
b	0.50	0 AGL	1554 Takeoff	125
c	1.62	1,000 AGL	1554 Takeoff	125
d	2.00	1,212 AGL	1554 Takeoff	135
e	3.66	1,948 AGL	1554 Takeoff	190
f	4.76	3,000 AGL	1554 Takeoff	190
g	6.74	3,649 AGL	1554 Takeoff	250
h	9.02	5,500 AGL	1554 Takeoff	250
i	11.77	7,500 AGL	1554 Takeoff	250
j	32.92	20,825 AGL	1554 Cruise	250

Flight Profile 500-30DA
VFR Turbo Prop Aircraft--CBP

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:54,600 (1 inch = 4,550 feet)

N



Flight Profile 500-30DB

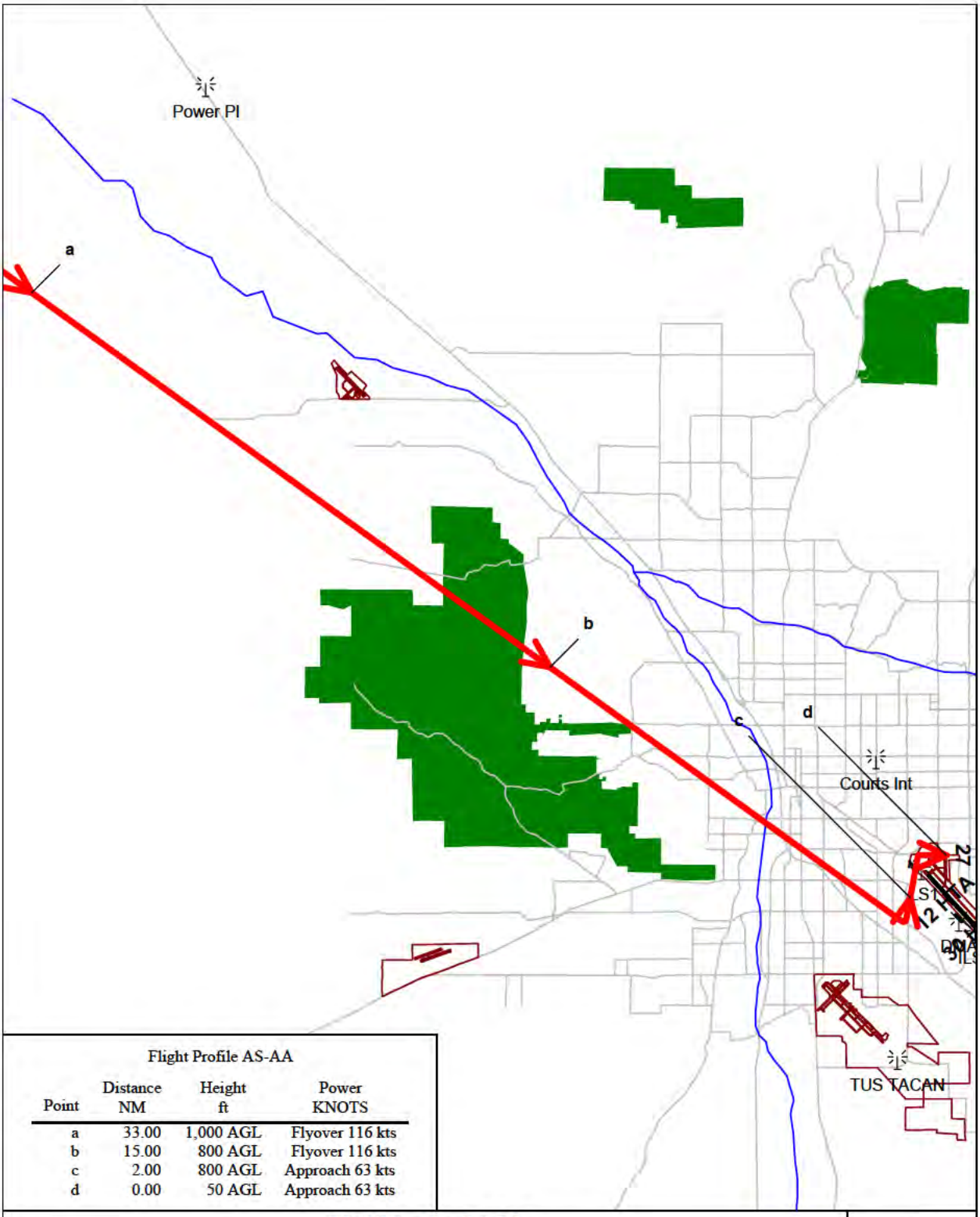
Point	Distance NM	Height ft	Power LBS	Speed kts
a	0.00	0 AGL	1554 Takeoff	0
b	0.50	0 AGL	1554 Takeoff	125
c	1.62	1,000 AGL	1554 Takeoff	125
d	2.00	1,212 AGL	1554 Takeoff	135
e	3.66	1,948 AGL	1554 Takeoff	190
f	4.76	3,000 AGL	1554 Takeoff	190
g	6.74	3,649 AGL	1554 Takeoff	250
h	9.02	5,500 AGL	1554 Takeoff	250
i	11.77	7,500 AGL	1554 Takeoff	250
j	32.92	20,825 AGL	1554 Cruise	250

Flight Profile 500-30DB
IFR Turbo Prop Aircraft--CBP

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000

Scale in Feet 1:52,100 (1 inch = 4,340 feet)

N



Flight Profile AS-AA

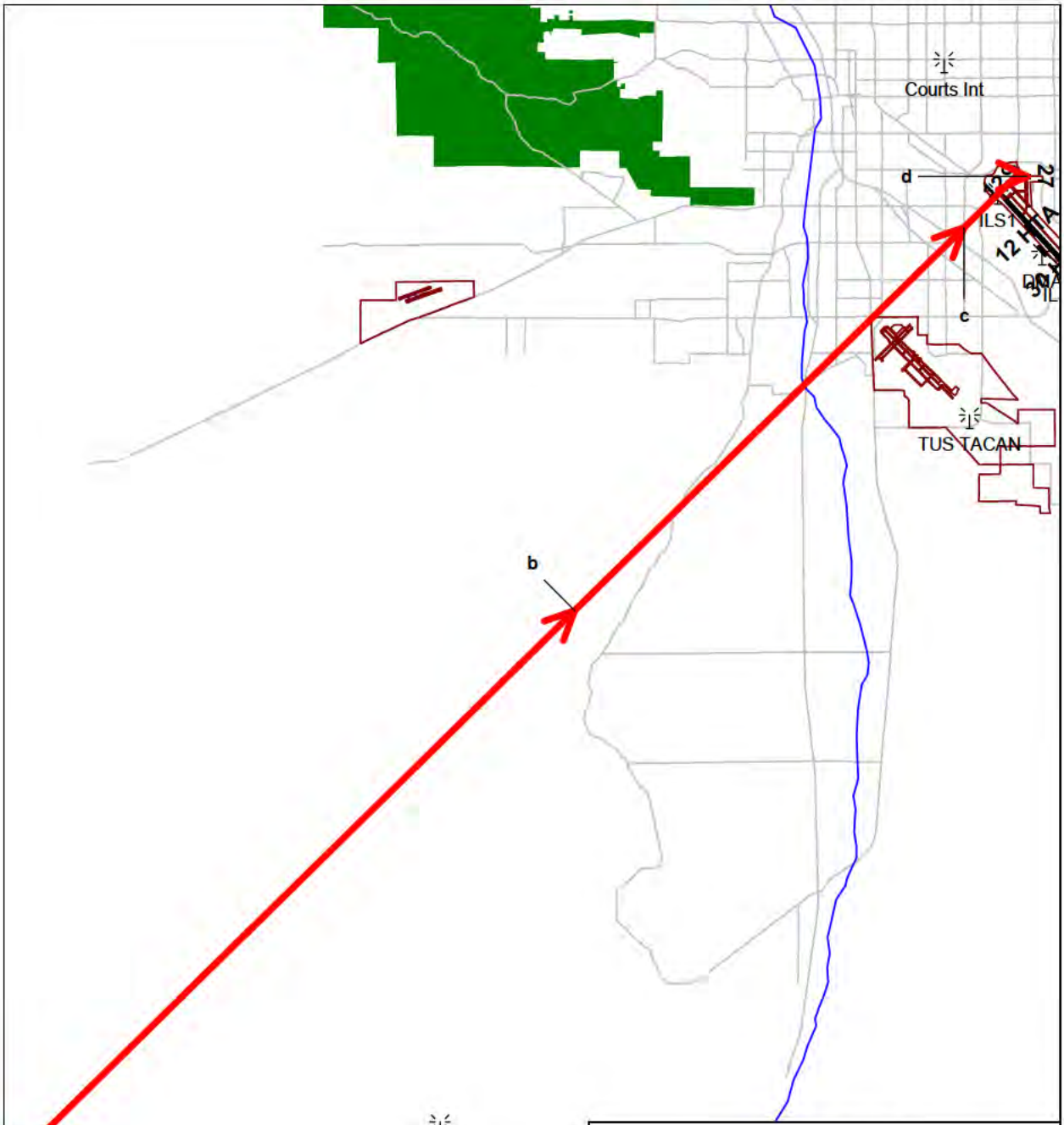
Point	Distance NM	Height ft	Power KNOTS
a	33.00	1,000 AGL	Flyover 116 kts
b	15.00	800 AGL	Flyover 116 kts
c	2.00	800 AGL	Approach 63 kts
d	0.00	50 AGL	Approach 63 kts

Flight Profile AS-AA
A-MTN--CBP

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000

Scale in Feet 1:308,000 (1 inch = 25,700 feet)

N



Flight Profile AS-AB

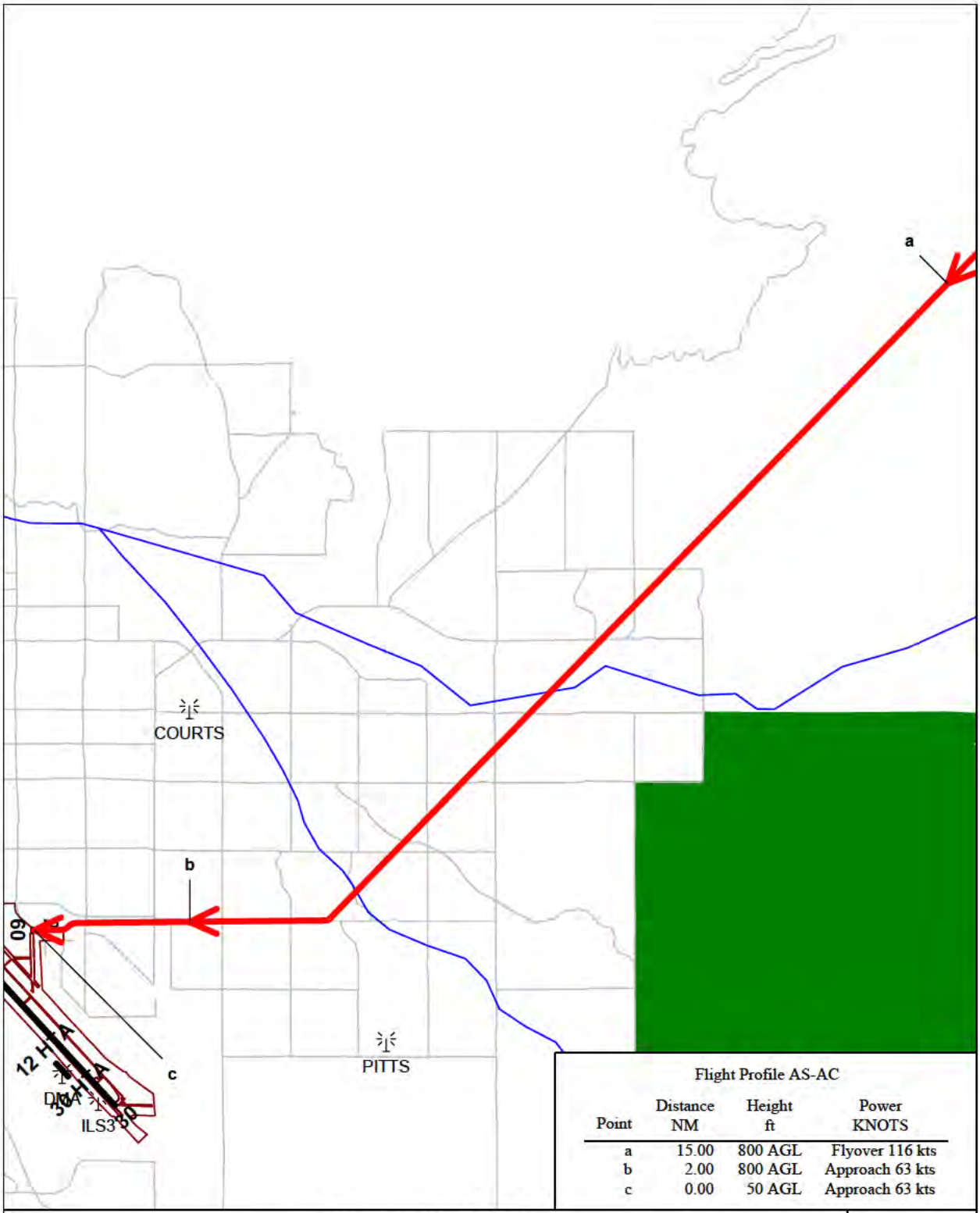
Point	Distance NM	Height ft	Power KNOTS
a	33.00	1,000 AGL	Flyover 116 kts
b	15.00	800 AGL	Flyover 116 kts
c	2.00	800 AGL	Approach 63 kts
d	0.00	50 AGL	Approach 63 kts

Flight Profile AS-AB
South from Tucson--CBP

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:283,000 (1 inch = 23,500 feet)

N



Flight Profile AS-AC

Point	Distance NM	Height ft	Power KNOTS
a	15.00	800 AGL	Flyover 116 kts
b	2.00	800 AGL	Approach 63 kts
c	0.00	50 AGL	Approach 63 kts

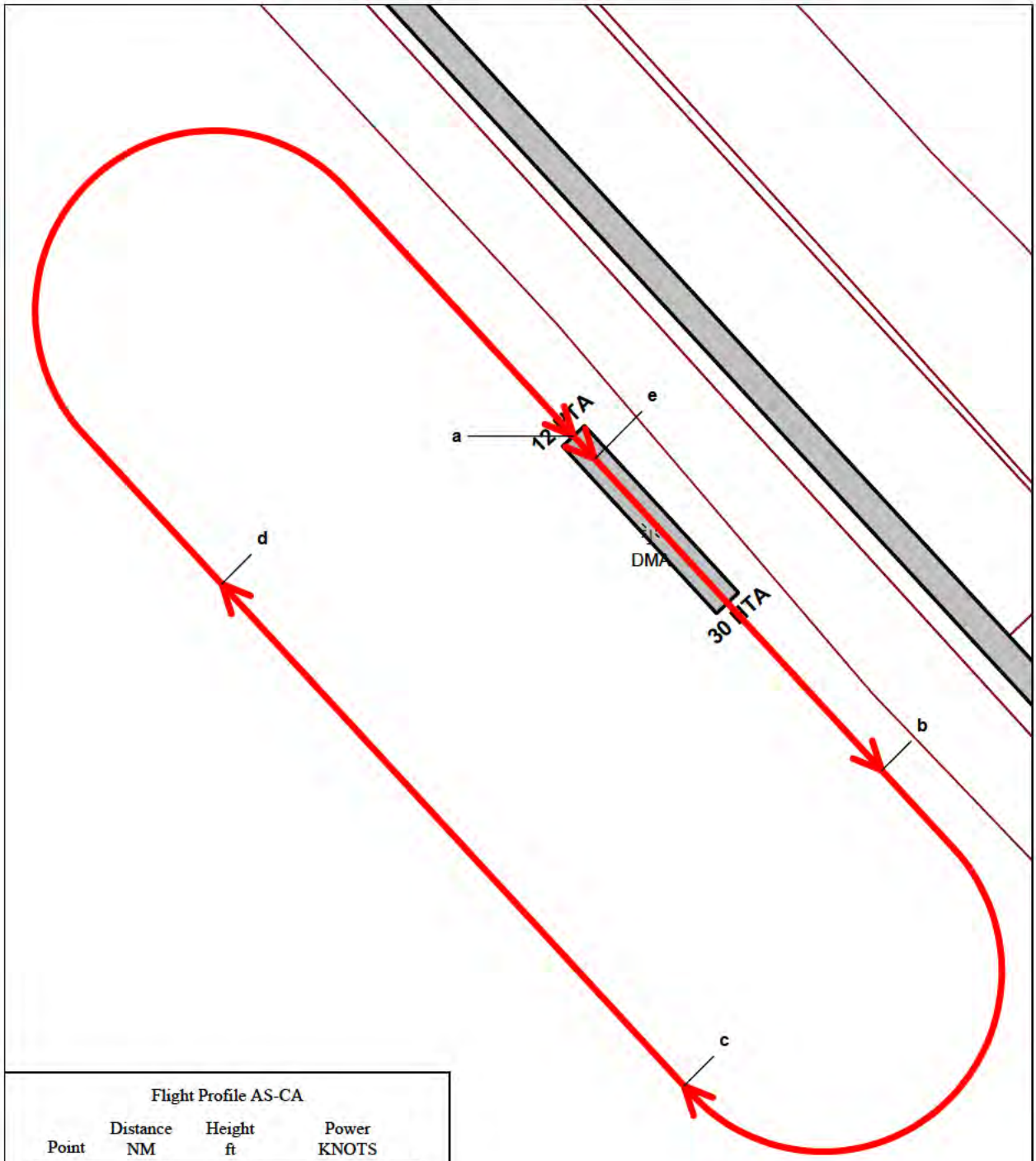
Flight Profile AS-AC

Test Flight Gulf Links North--CBP

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000

Scale in Feet 1:138,000 (1 inch = 11,500 feet)

N



Flight Profile AS-CA

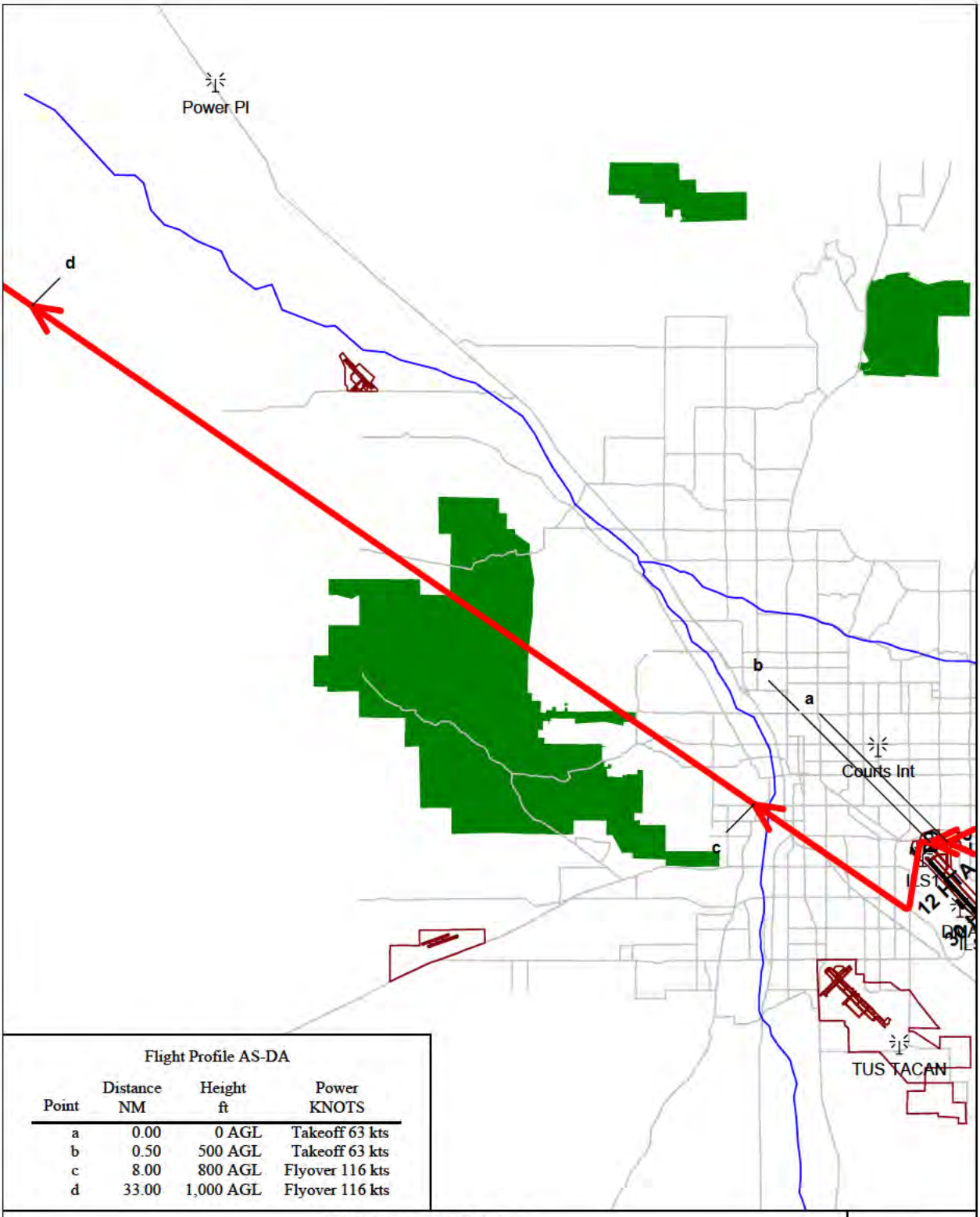
Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Takeoff 63 kts
b	0.50	300 AGL	Takeoff 63 kts
c	1.25	670 AGL	Flyover 116 kts
d	2.00	670 AGL	Flyover 116 kts
e	3.25	50 AGL	Approach 63 kts

Flight Profile AS-CA
VFR PATTERN--CBP

0 400 800 1,200 1,600 2,000 2,400 2,800 3,200 3,600 4,000 4,400

Scale in Feet 1:12,700 (1 inch = 1,060 feet)

N



Flight Profile AS-DA

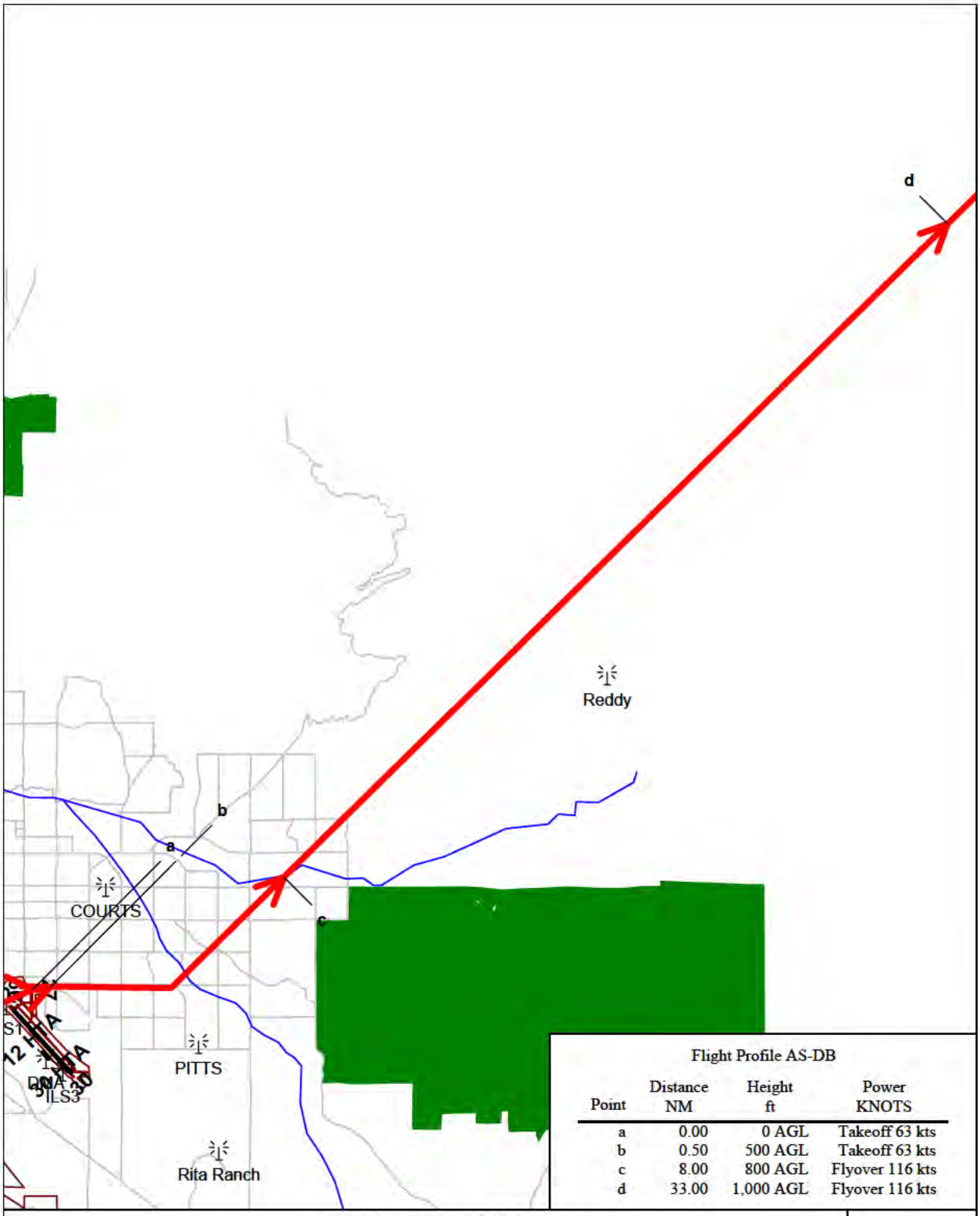
Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Takeoff 63 kts
b	0.50	500 AGL	Takeoff 63 kts
c	8.00	800 AGL	Flyover 116 kts
d	33.00	1,000 AGL	Flyover 116 kts

Flight Profile AS-DA
A-MTN--CBP

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000

Scale in Feet 1:312,000 (1 inch = 26,000 feet)

N



Flight Profile AS-DB

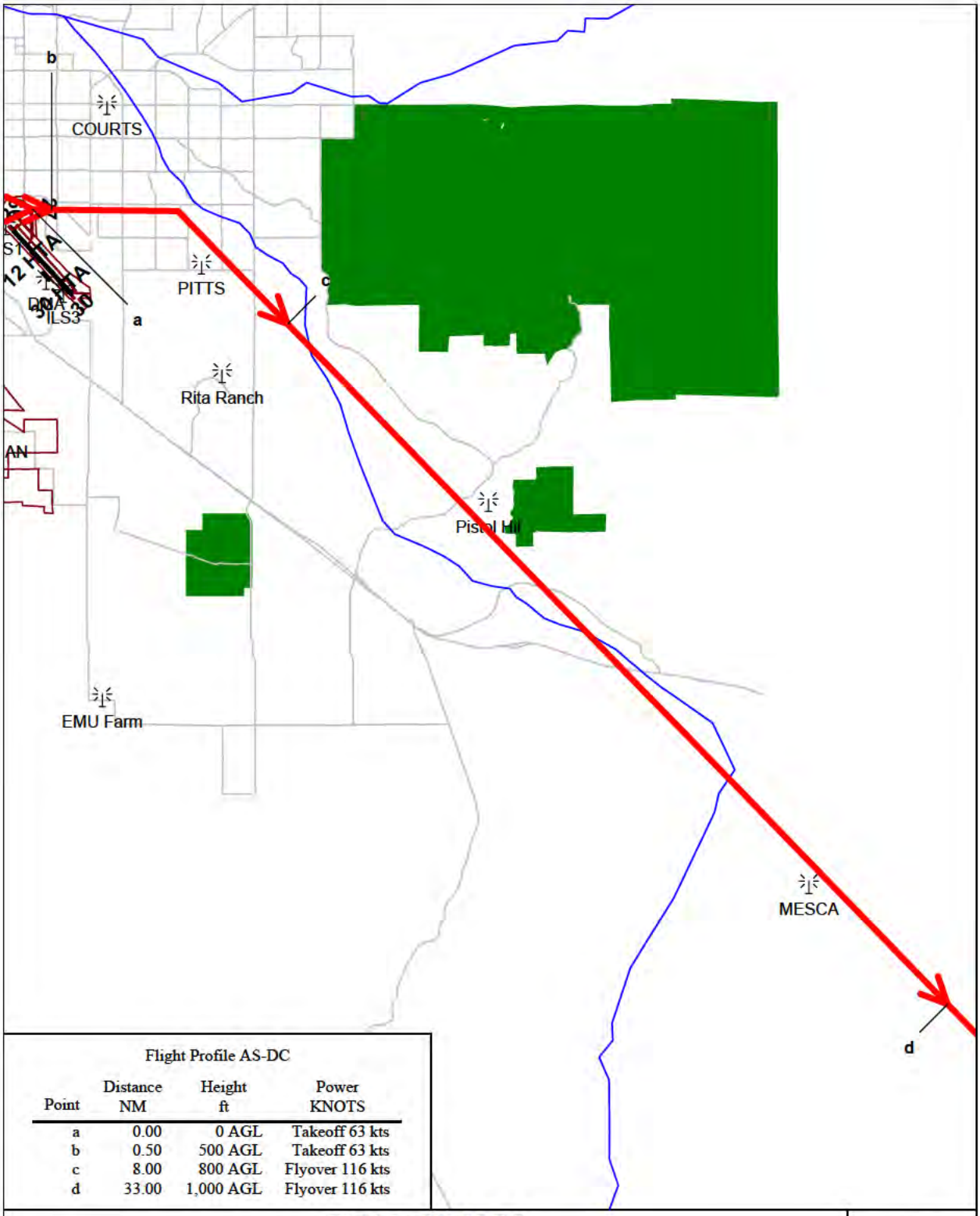
Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Takeoff 63 kts
b	0.50	500 AGL	Takeoff 63 kts
c	8.00	800 AGL	Flyover 116 kts
d	33.00	1,000 AGL	Flyover 116 kts

Flight Profile AS-DB
Gulf Links NW--CBP

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000

Scale in Feet 1:294,000 (1 inch = 24,500 feet)

N



Flight Profile AS-DC

Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Takeoff 63 kts
b	0.50	500 AGL	Takeoff 63 kts
c	8.00	800 AGL	Flyover 116 kts
d	33.00	1,000 AGL	Flyover 116 kts

Flight Profile AS-DC
Gulf Links South--CBP

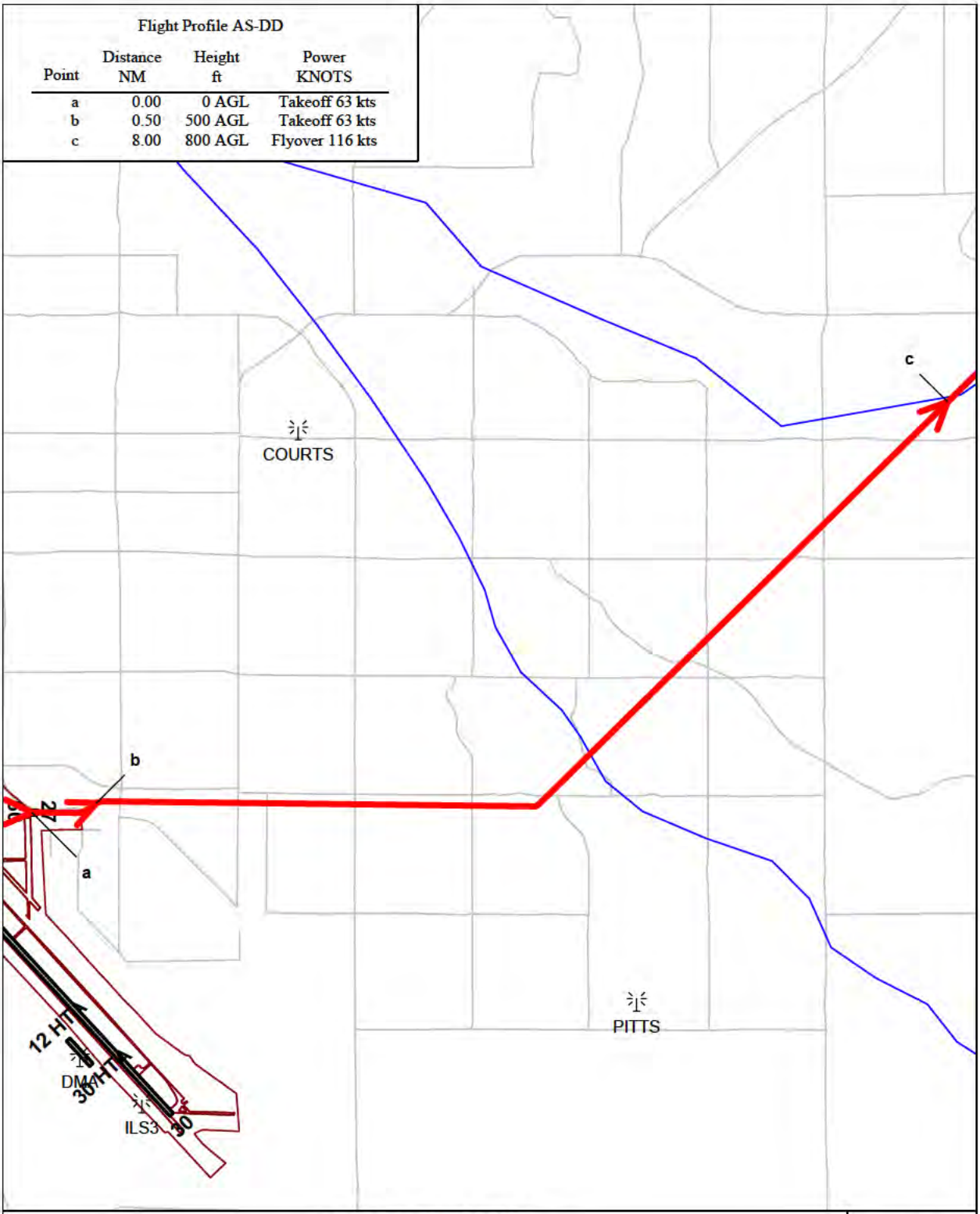
0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000

Scale in Feet 1:289,000 (1 inch = 24,000 feet)

N

Flight Profile AS-DD

Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Takeoff 63 kts
b	0.50	500 AGL	Takeoff 63 kts
c	8.00	800 AGL	Flyover 116 kts

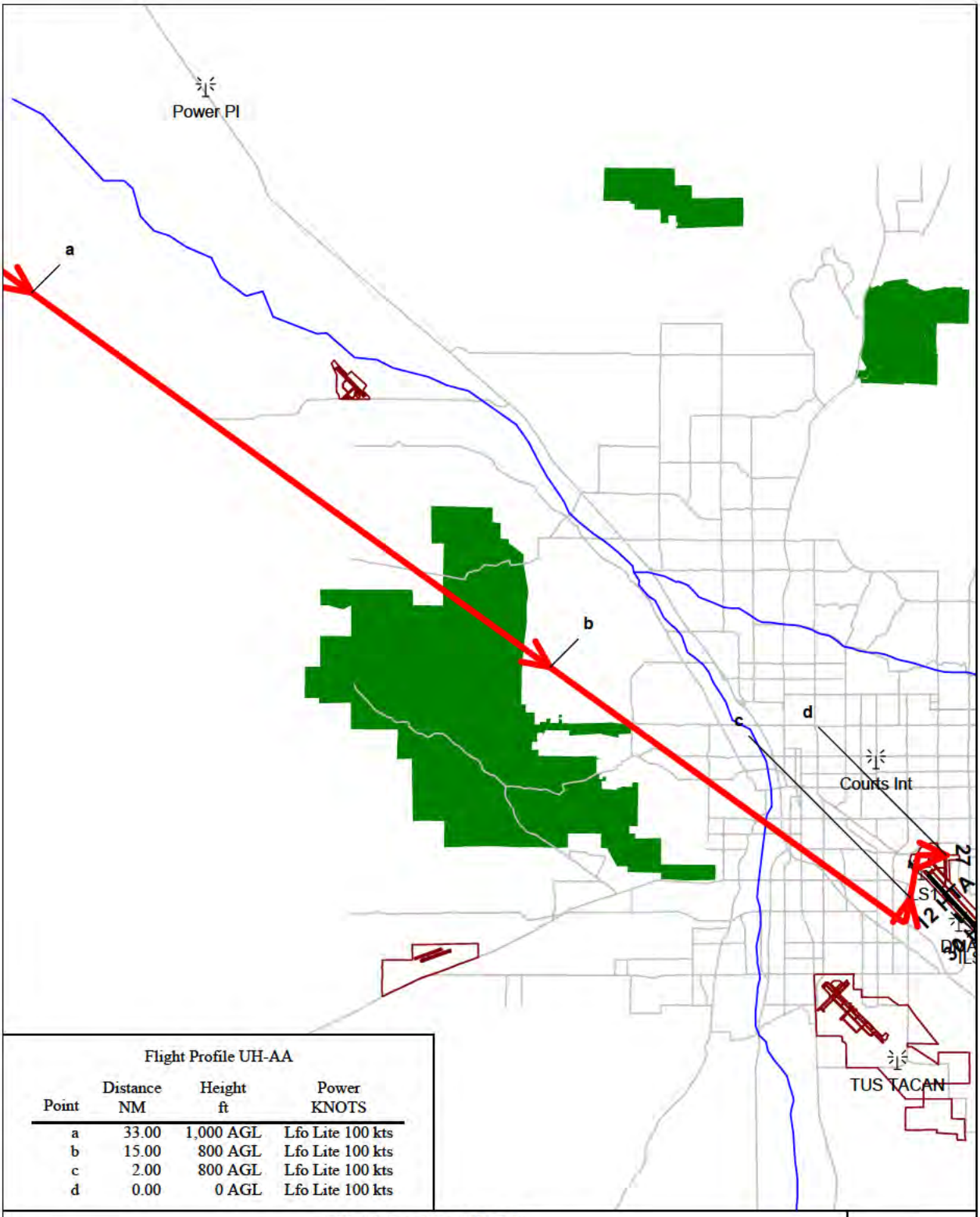


Flight Profile AS-DD
Test Flight Gulf Links N--CBP

0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:80,700 (1 inch = 6,720 feet)

N



Flight Profile UH-AA

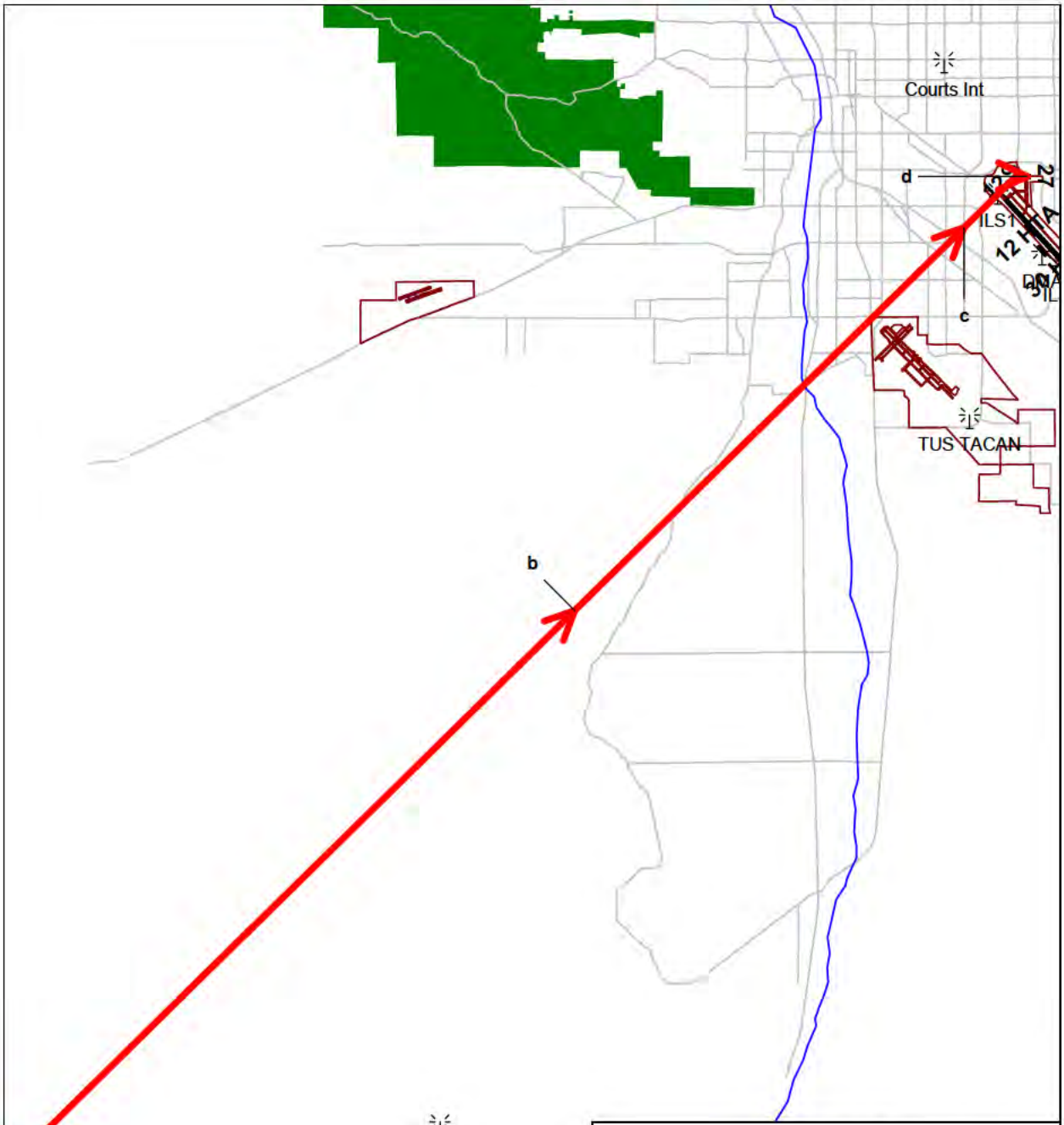
Point	Distance NM	Height ft	Power KNOTS
a	33.00	1,000 AGL	Lfo Lite 100 kts
b	15.00	800 AGL	Lfo Lite 100 kts
c	2.00	800 AGL	Lfo Lite 100 kts
d	0.00	0 AGL	Lfo Lite 100 kts

Flight Profile UH-AA
A-MTN Arrival--CBP

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000

Scale in Feet 1:308,000 (1 inch = 25,700 feet)

N



Flight Profile UH-AB

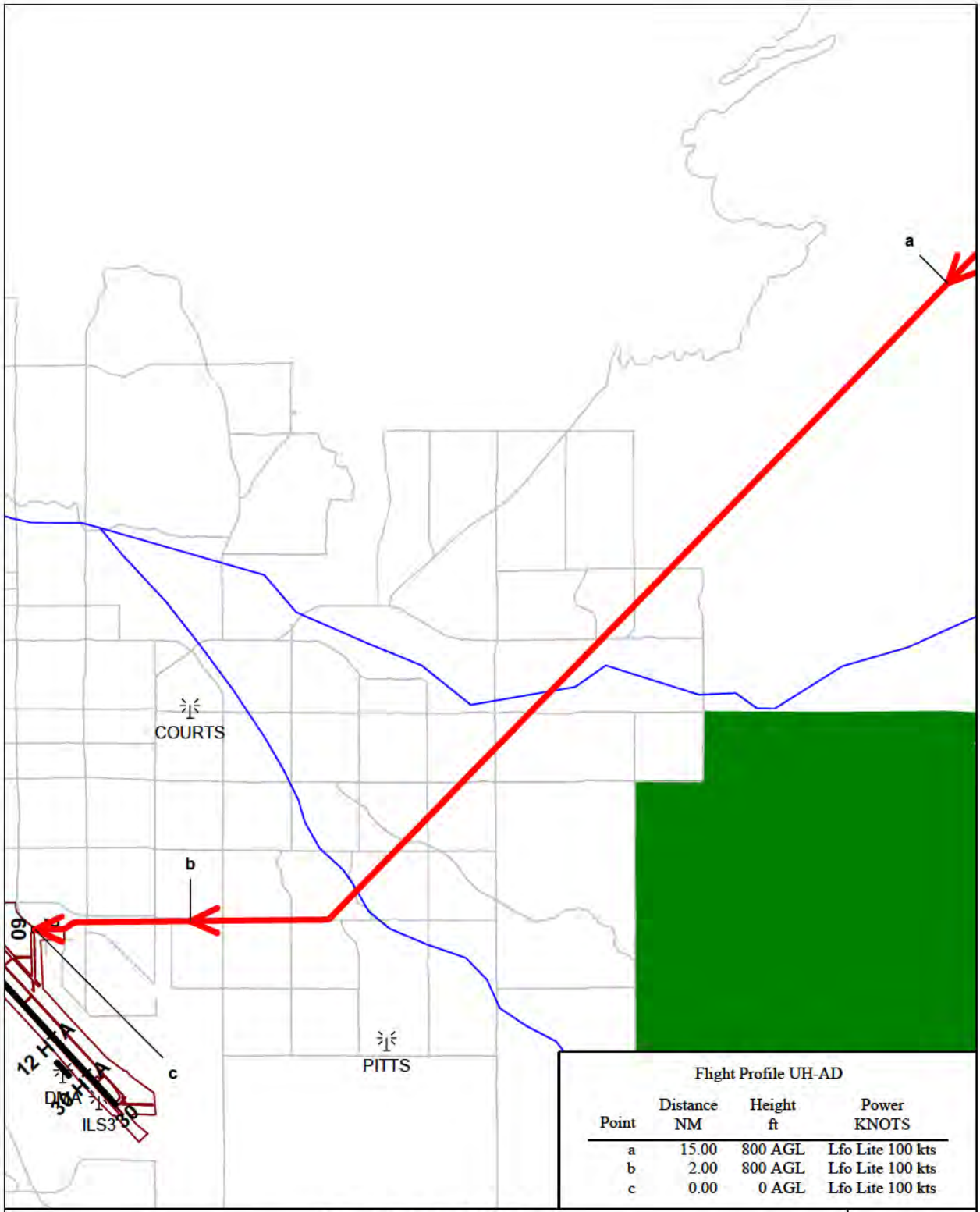
Point	Distance NM	Height ft	Power KNOTS
a	33.00	1,000 AGL	Lfo Lite 100 kts
b	15.00	800 AGL	Lfo Lite 100 kts
c	2.00	800 AGL	Lfo Lite 100 kts
d	0.00	0 AGL	Lfo Lite 100 kts

Flight Profile UH-AB
South from Tucson--CBP

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:283,000 (1 inch = 23,500 feet)

N



Flight Profile UH-AD

Point	Distance NM	Height ft	Power KNOTS
a	15.00	800 AGL	Lfo Lite 100 kts
b	2.00	800 AGL	Lfo Lite 100 kts
c	0.00	0 AGL	Lfo Lite 100 kts

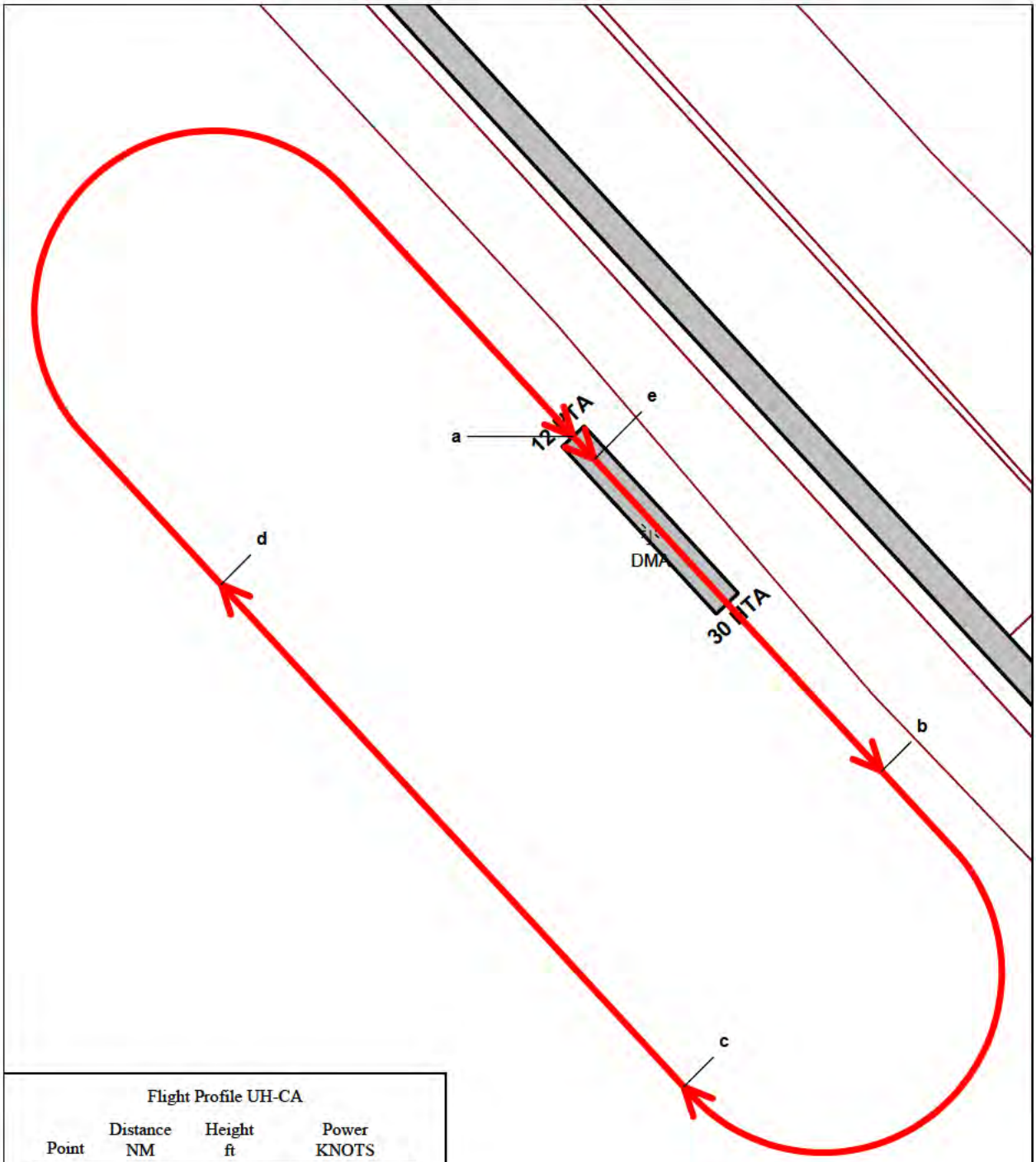
Flight Profile UH-AD

Test Flight Gulf Links North--CBP

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000

Scale in Feet 1:138,000 (1 inch = 11,500 feet)

N



Flight Profile UH-CA

Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	0.50	300 AGL	Lfo Lite 100 kts
c	1.25	670 AGL	Lfo Lite 100 kts
d	2.00	670 AGL	Lfo Lite 100 kts
e	3.25	50 AGL	Lnd Lite 40 kts

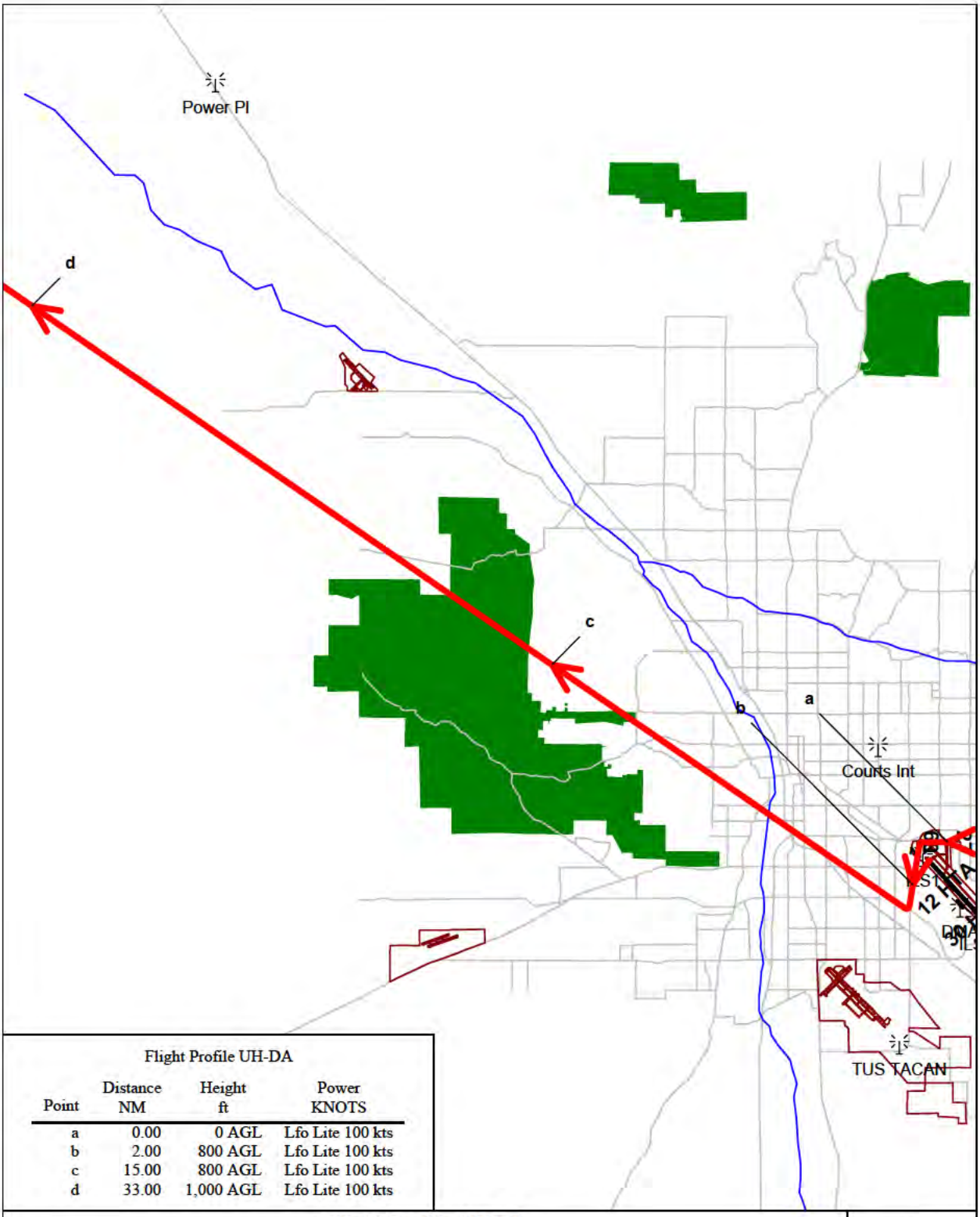
Flight Profile UH-CA

HH-60 VFR PATTERN--CBP

0 400 800 1,200 1,600 2,000 2,400 2,800 3,200 3,600 4,000 4,400

Scale in Feet 1:12,700 (1 inch = 1,060 feet)

N



Flight Profile UH-DA

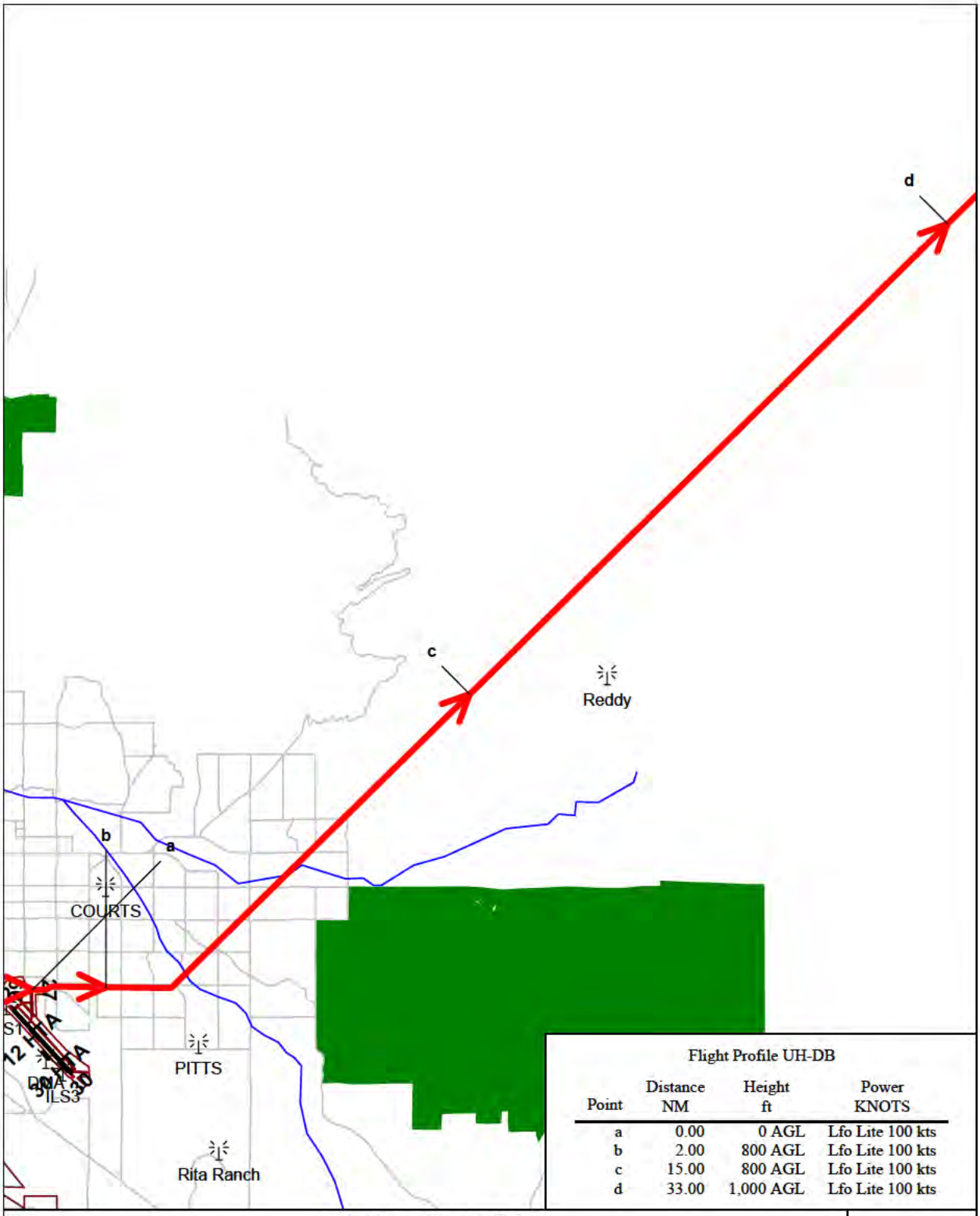
Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	2.00	800 AGL	Lfo Lite 100 kts
c	15.00	800 AGL	Lfo Lite 100 kts
d	33.00	1,000 AGL	Lfo Lite 100 kts

Flight Profile UH-DA
A-MTN Dep--CBP

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000

Scale in Feet 1:312,000 (1 inch = 26,000 feet)

N



Flight Profile UH-DB

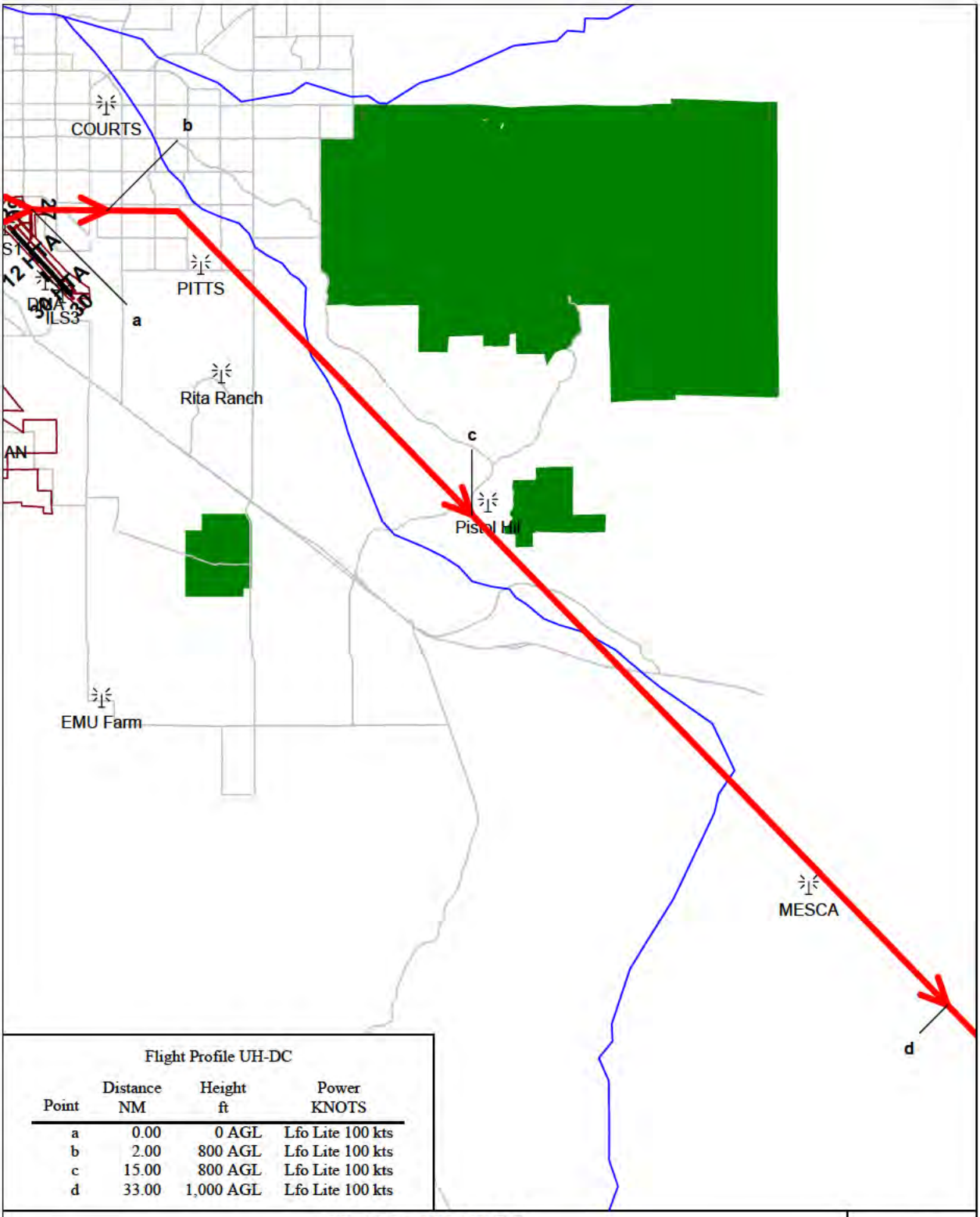
Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	2.00	800 AGL	Lfo Lite 100 kts
c	15.00	800 AGL	Lfo Lite 100 kts
d	33.00	1,000 AGL	Lfo Lite 100 kts

Flight Profile UH-DB
Gulf Links NW--CBP

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000

Scale in Feet 1:294,000 (1 inch = 24,500 feet)

N



Flight Profile UH-DC

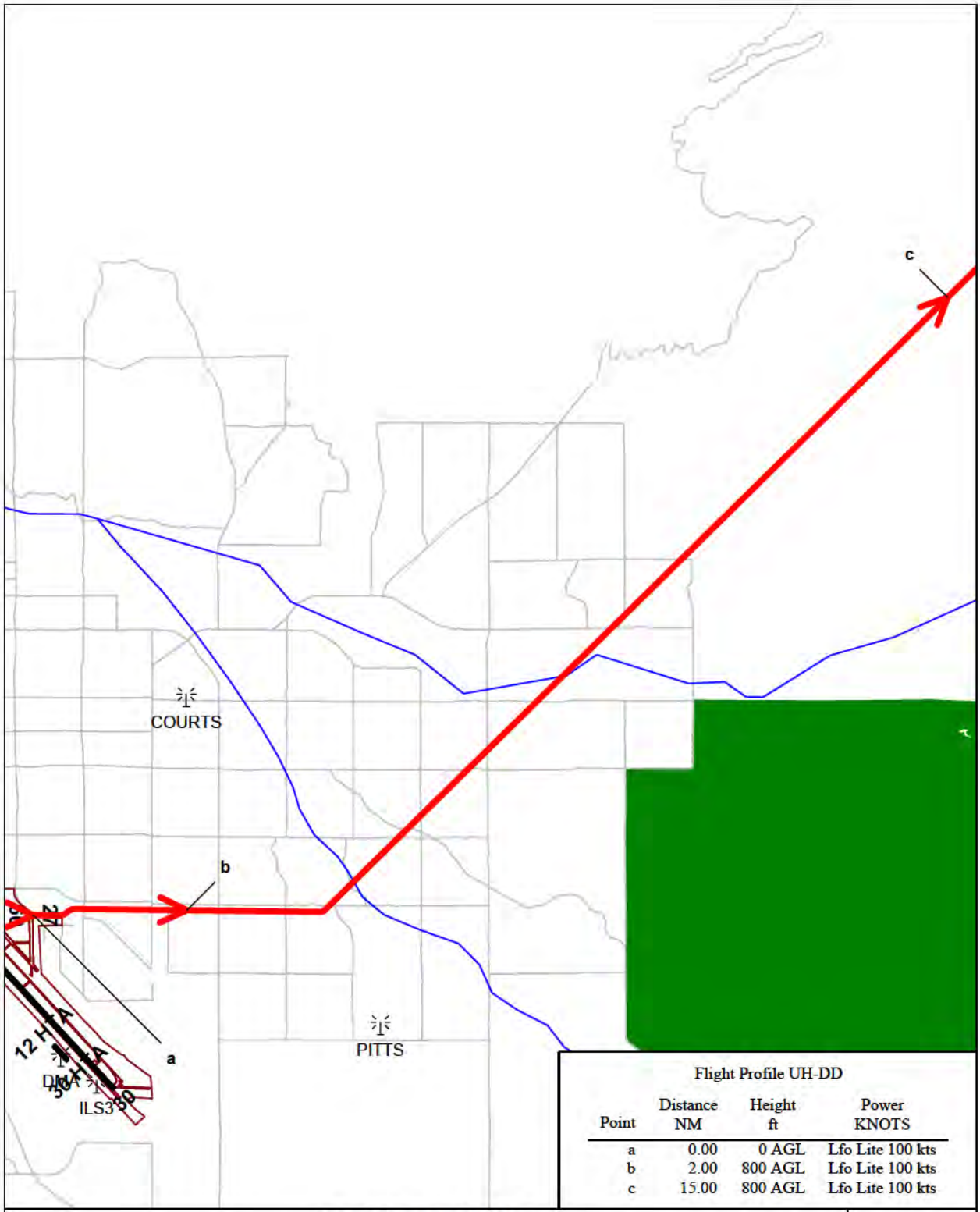
Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	2.00	800 AGL	Lfo Lite 100 kts
c	15.00	800 AGL	Lfo Lite 100 kts
d	33.00	1,000 AGL	Lfo Lite 100 kts

Flight Profile UH-DC
Gulf Links South--CBP

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000

Scale in Feet 1:289,000 (1 inch = 24,000 feet)

N



Flight Profile UH-DD

Point	Distance NM	Height ft	Power KNOTS
a	0.00	0 AGL	Lfo Lite 100 kts
b	2.00	800 AGL	Lfo Lite 100 kts
c	15.00	800 AGL	Lfo Lite 100 kts

Flight Profile UH-DD
Test Flight Gulf Links N--CBP

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000

Scale in Feet 1:140,000 (1 inch = 11,700 feet)

N

Static Profile Details

Maint - Sub for AS-350--CBP

Notes
Aircraft OH58D
Engine Allison 250 C30R
Suppressor NONE
Pad West Ramp
Heading 0 ° mag
Profile Segments

Power POWER	Day Ops	Night Ops	Duration sec	Number Engines
Idl Lite	1	0	3600	1

Maint 1 - Routine Maintenance--CBP

Notes
Aircraft UH60A
Engine T700-CE-700
Suppressor NONE
Pad West Ramp
Heading 0 ° mag
Profile Segments

Power POWER	Day Ops	Night Ops	Duration sec	Number Engines
Idl	1	0	3300	1
Oge Load	1	0	300	1

Maint 1 - Sub aircraft for Citation 550--CBP

Notes
Aircraft C-21A
Engine TFE-731-2-2B
Suppressor NONE
Pad West Ramp
Heading 0 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
60 Idle	0.2	0	1680	1
90 90% RPM Eng Runup	0.2	0	120	1

Maint 2 - Maintenance for National Program at North Lower Ramp--CBP

Notes
Aircraft UH60A
Engine T700-CE-700
Suppressor NONE

Pad North Ramp
Heading 0 ° mag
Profile Segments

Power POWER	Day Ops	Night Ops	Duration sec	Number Engines
Idl	0.0269	0	9900	1
Oge Load	0.0269	0	900	1

Maint 2 - Sub aircraft for Cessna 210--CBP

Notes
Aircraft C-21A
Engine TFE-731-2-2B
Suppressor NONE
Pad West Ramp
Heading 0 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
90 Idle	0.0077	0	1440	1
10 Idle	0.0077	0	180	1
90 90% RPM Eng Runup	0.0077	0	180	1

ATTACHMENT 7

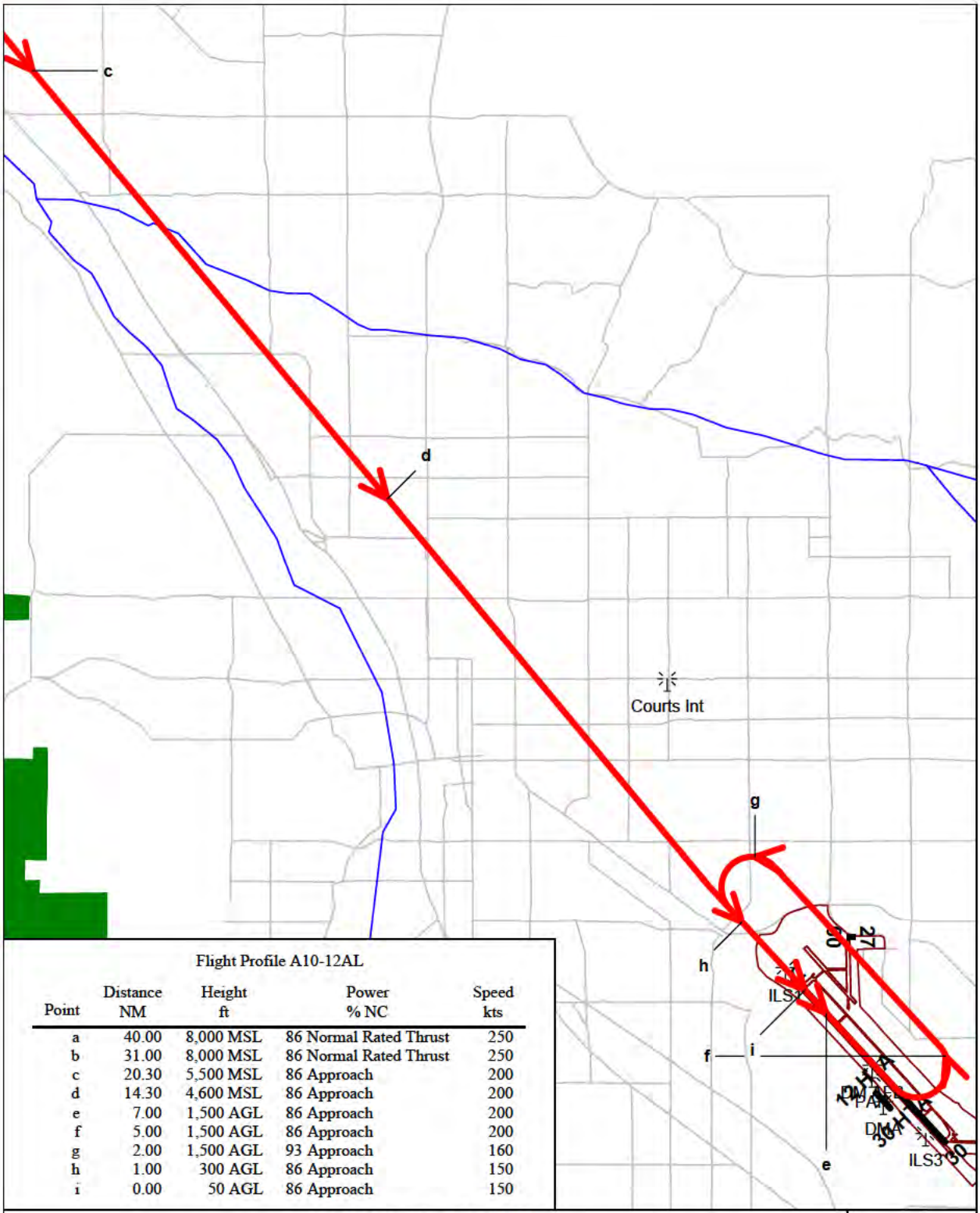
AMARG SUMMARY DATA

2007 AICUZ Re-Validation 07/30/07

AMARG Flight Profile Operations Summary

10:38 AM
Monday, September 24, 2007
BaseOps 7.3

Maps of Flight Profiles



Flight Profile A10-12AL

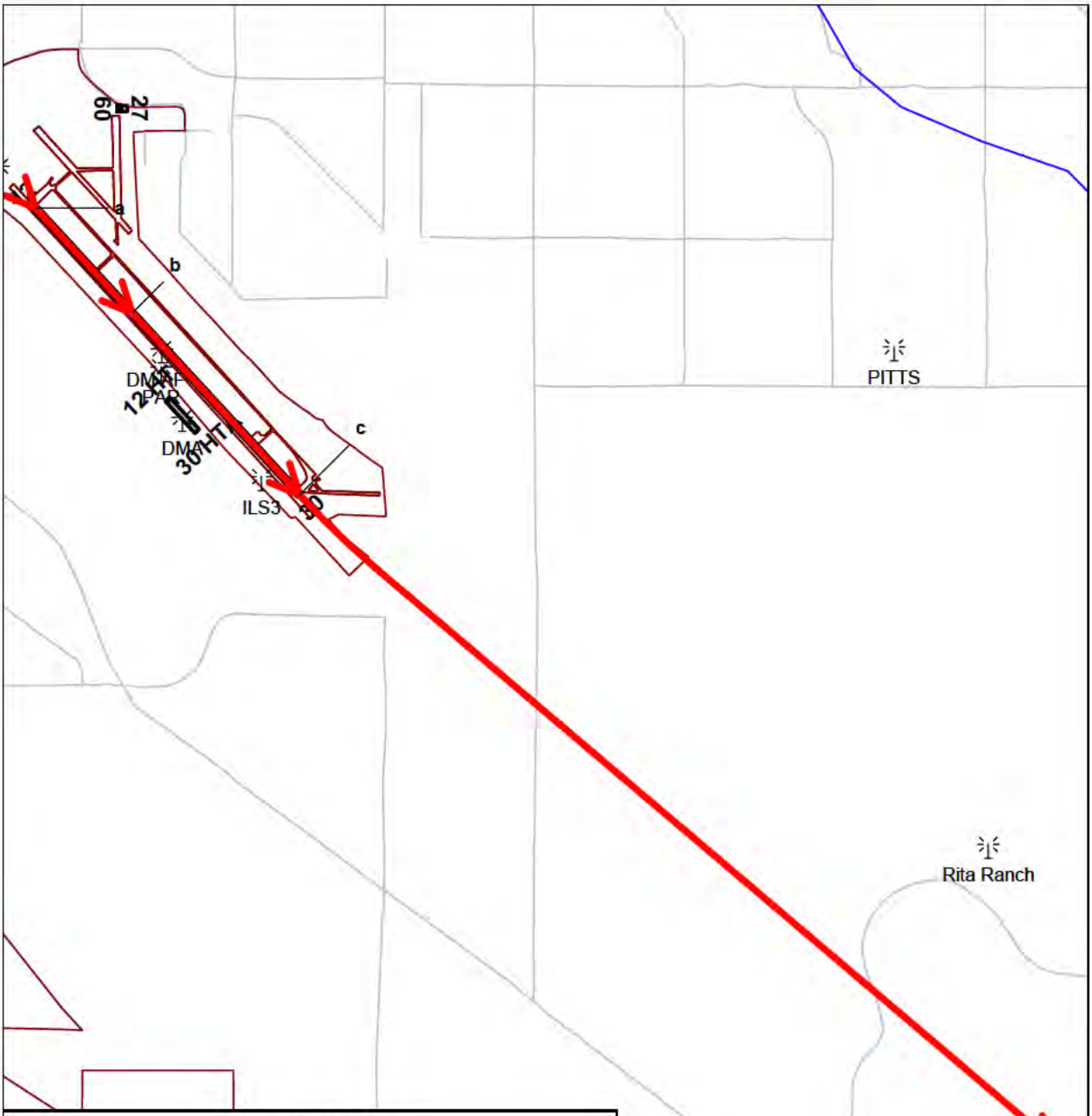
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	8,000 MSL	86 Normal Rated Thrust	250
b	31.00	8,000 MSL	86 Normal Rated Thrust	250
c	20.30	5,500 MSL	86 Approach	200
d	14.30	4,600 MSL	86 Approach	200
e	7.00	1,500 AGL	86 Approach	200
f	5.00	1,500 AGL	86 Approach	200
g	2.00	1,500 AGL	93 Approach	160
h	1.00	300 AGL	86 Approach	150
i	0.00	50 AGL	86 Approach	150

Flight Profile A10-12AL
Overhead--AMARG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:118,000 (1 inch = 9,840 feet)

N



Flight Profile A10-12DL

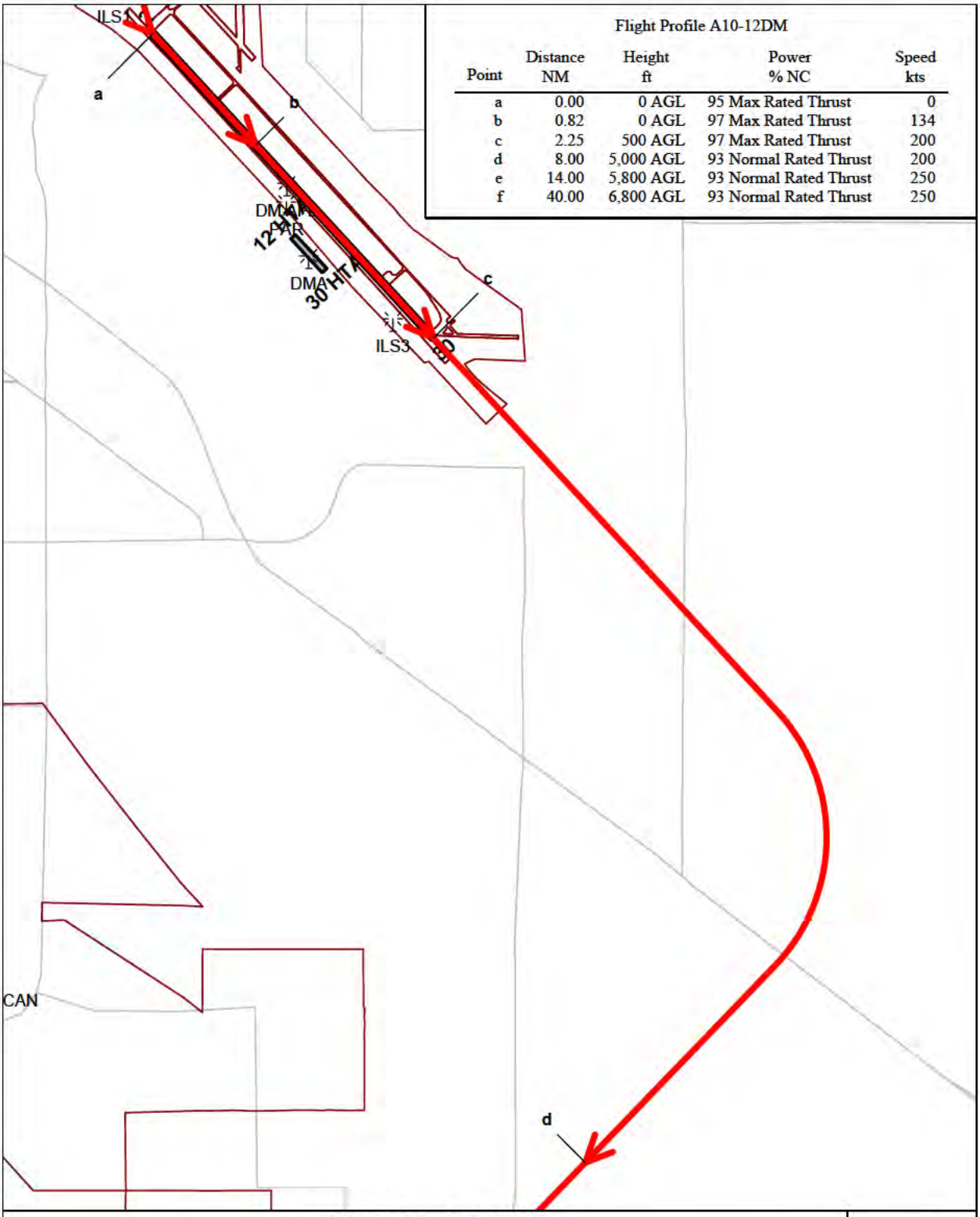
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-12DL
TOMBSTONE--AMARG

0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:70,300 (1 inch = 5,860 feet)

N



Flight Profile A10-12DM

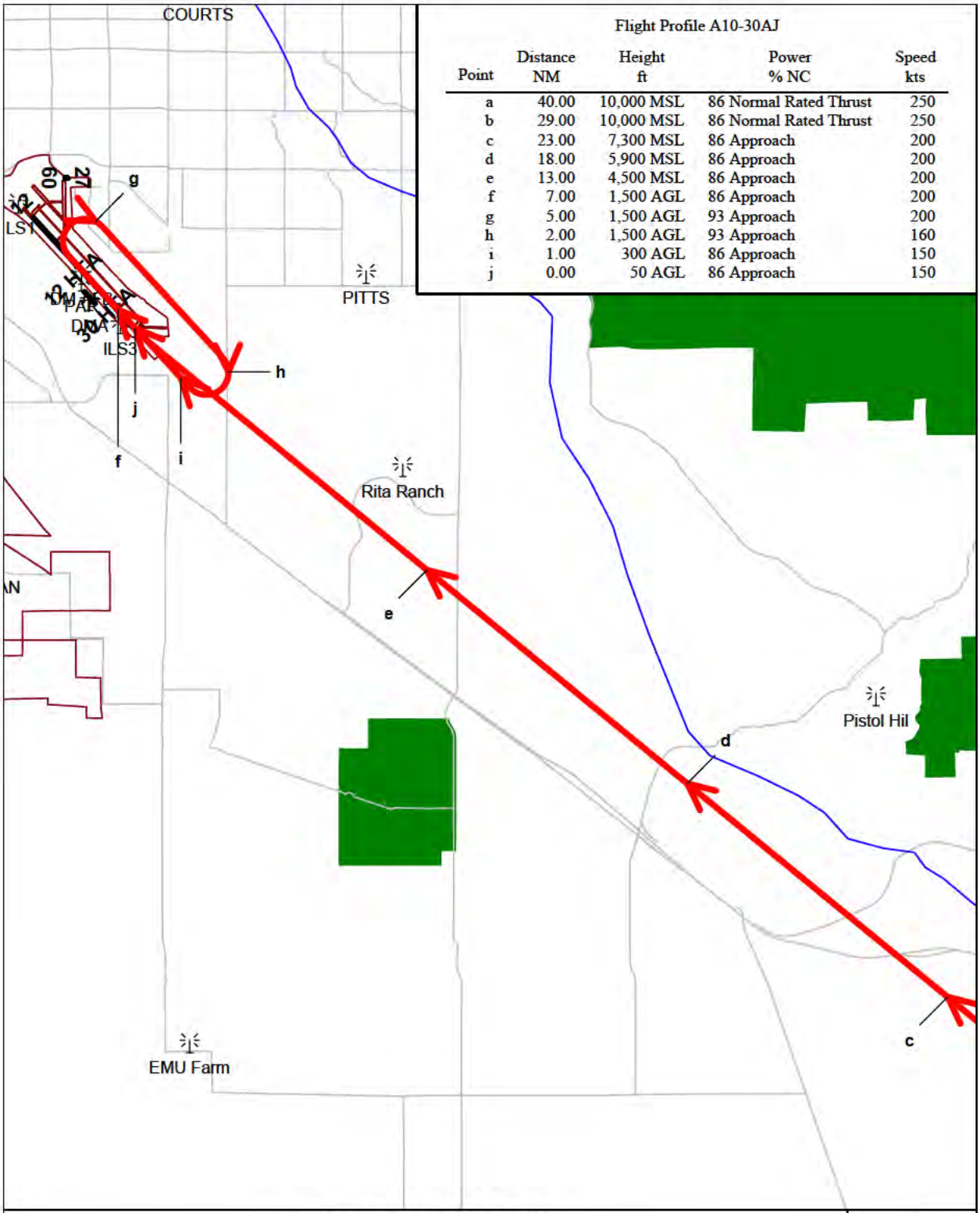
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-12DM
Rubby/Fuzzy--AMARG

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000 20,000

Scale in Feet 1:59,400 (1 inch = 4,950 feet)

N



Flight Profile A10-30AJ

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	10,000 MSL	86 Normal Rated Thrust	250
b	29.00	10,000 MSL	86 Normal Rated Thrust	250
c	23.00	7,300 MSL	86 Approach	200
d	18.00	5,900 MSL	86 Approach	200
e	13.00	4,500 MSL	86 Approach	200
f	7.00	1,500 AGL	86 Approach	200
g	5.00	1,500 AGL	93 Approach	200
h	2.00	1,500 AGL	93 Approach	160
i	1.00	300 AGL	86 Approach	150
j	0.00	50 AGL	86 Approach	150

Flight Profile A10-30AJ
Overhead--AMARG

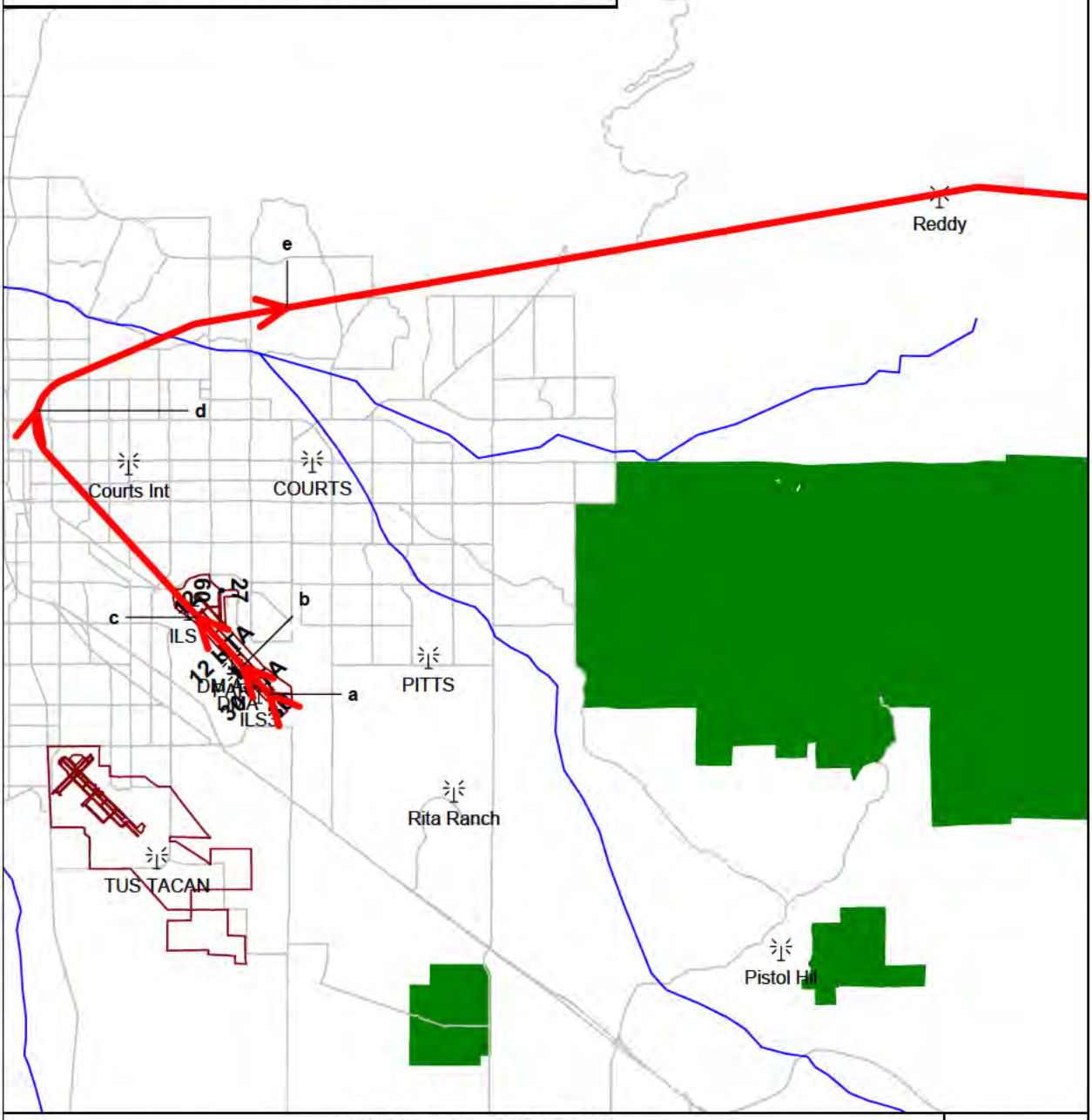
0 10,000 20,000 30,000 40,000 50,000

Scale in Feet 1:162,000 (1 inch = 13,500 feet)

N

Flight Profile A10-30DM

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

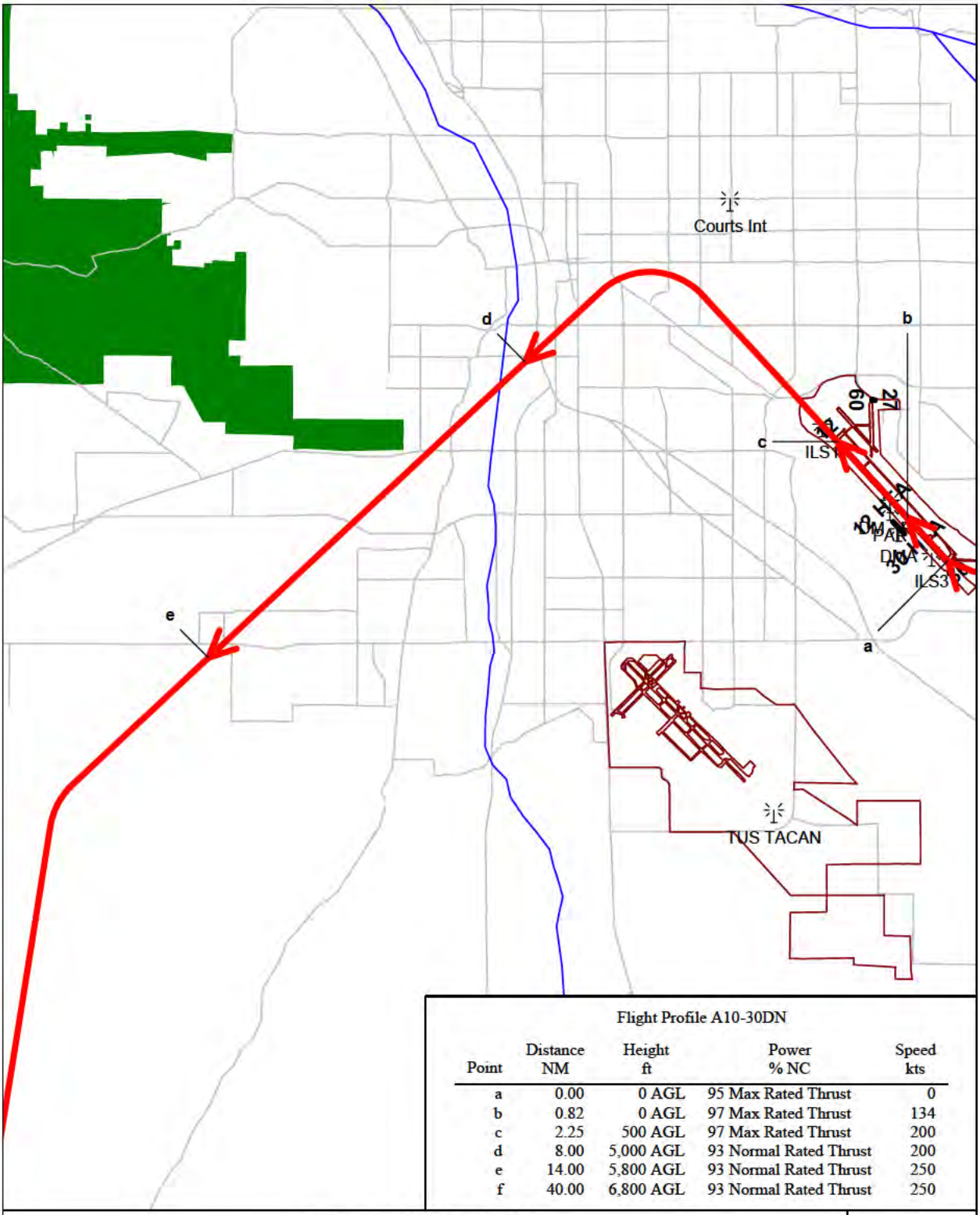


Flight Profile A10-30DM
TOMBSTONE--AMARG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:262,000 (1 inch = 21,800 feet)

N



Flight Profile A10-30DN

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-30DN
Rubby/Fuzzy--AMARG

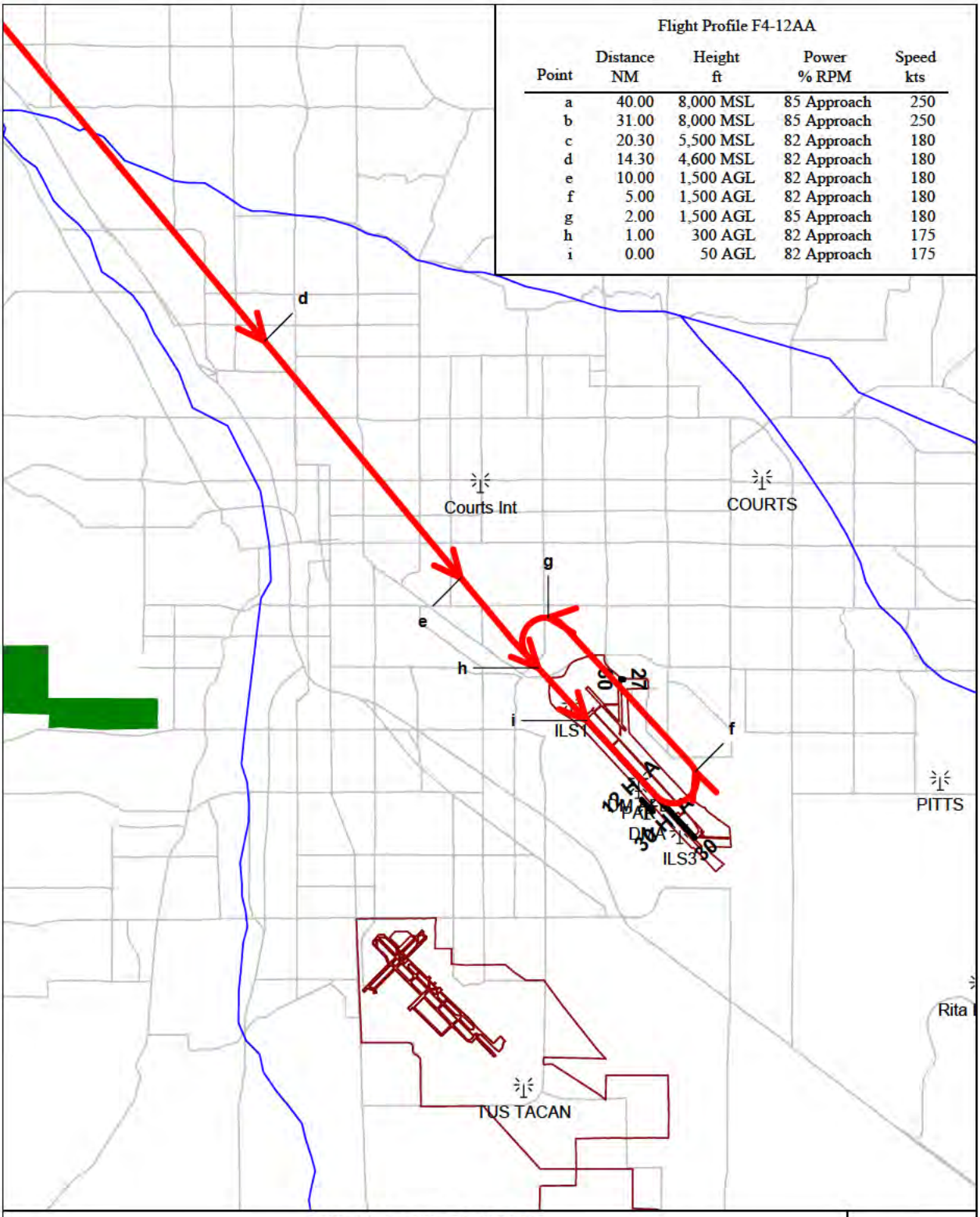
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:151,000 (1 inch = 12,600 feet)

N

Flight Profile F4-12AA

Point	Distance NM	Height ft	Power % RPM	Speed kts
a	40.00	8,000 MSL	85 Approach	250
b	31.00	8,000 MSL	85 Approach	250
c	20.30	5,500 MSL	82 Approach	180
d	14.30	4,600 MSL	82 Approach	180
e	10.00	1,500 AGL	82 Approach	180
f	5.00	1,500 AGL	82 Approach	180
g	2.00	1,500 AGL	85 Approach	180
h	1.00	300 AGL	82 Approach	175
i	0.00	50 AGL	82 Approach	175

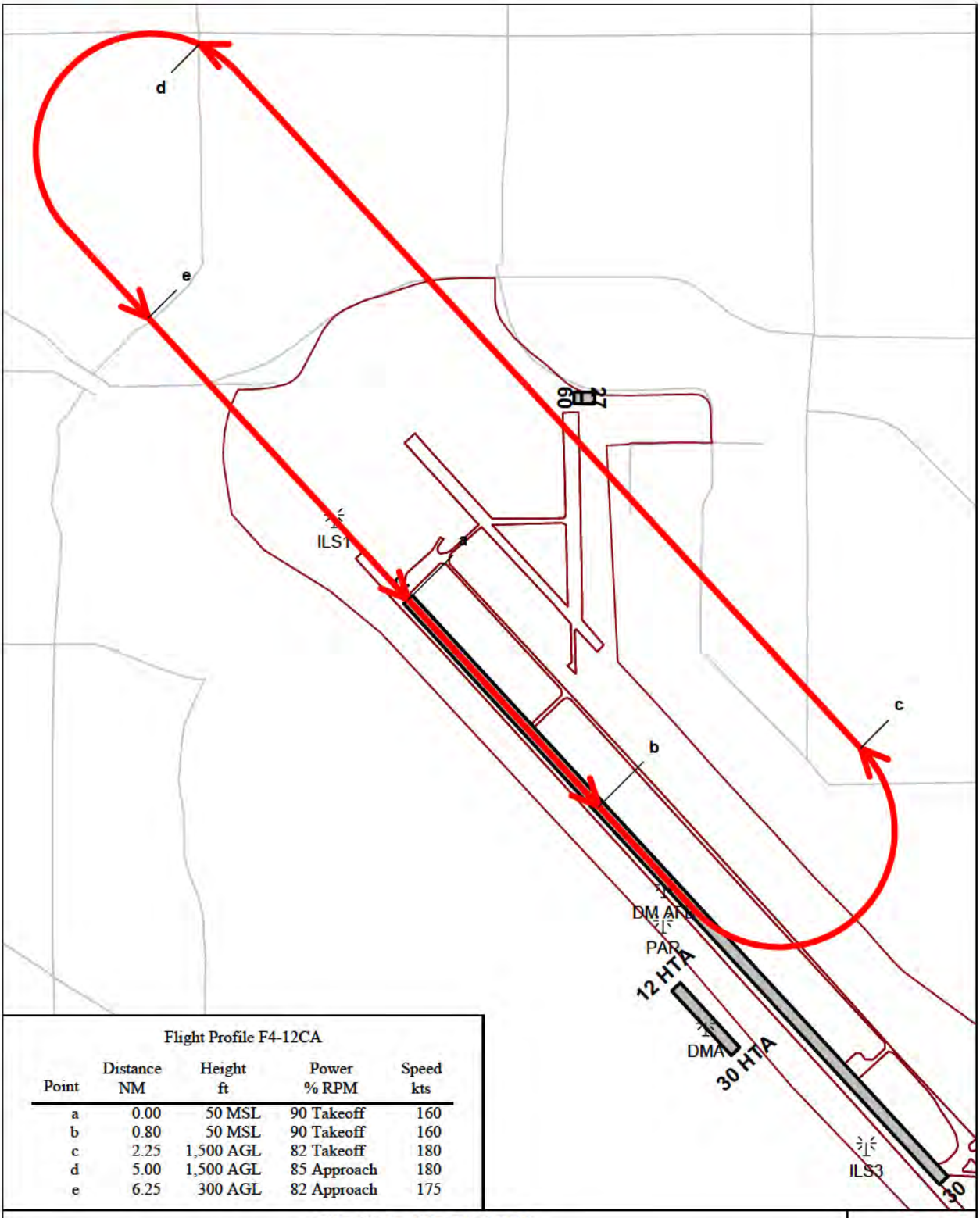


Flight Profile F4-12AA
TACAN with overhead--AMARG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:153,000 (1 inch = 12,800 feet)

N



Flight Profile F4-12CA

Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	50 MSL	90 Takeoff	160
b	0.80	50 MSL	90 Takeoff	160
c	2.25	1,500 AGL	82 Takeoff	180
d	5.00	1,500 AGL	85 Approach	180
e	6.25	300 AGL	82 Approach	175

Flight Profile F4-12CA
Overhead--AMARG

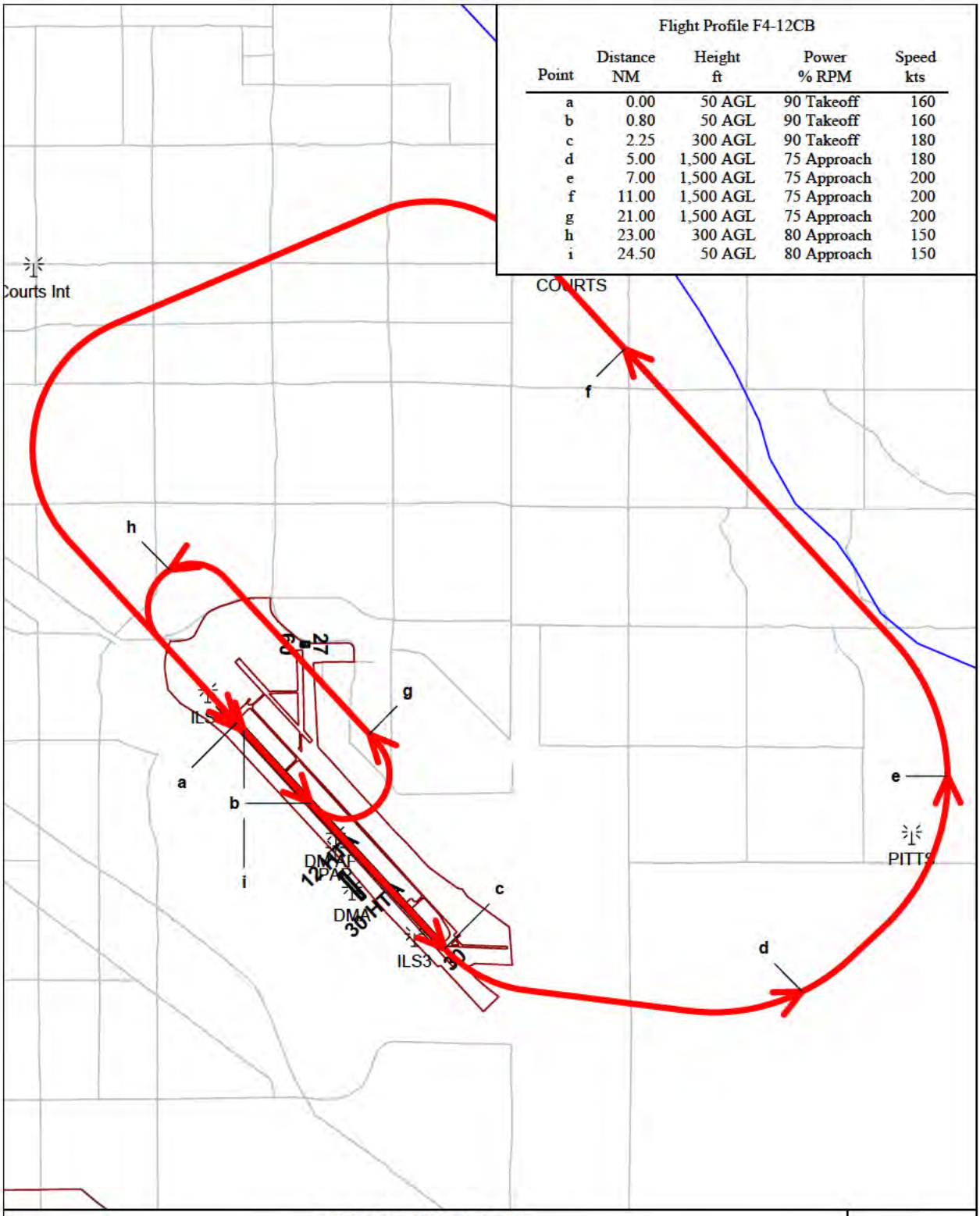
0 1,000 2,000 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000

Scale in Feet 1:31,100 (1 inch = 2,590 feet)

N

Flight Profile F4-12CB

Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	50 AGL	90 Takeoff	160
b	0.80	50 AGL	90 Takeoff	160
c	2.25	300 AGL	90 Takeoff	180
d	5.00	1,500 AGL	75 Approach	180
e	7.00	1,500 AGL	75 Approach	200
f	11.00	1,500 AGL	75 Approach	200
g	21.00	1,500 AGL	75 Approach	200
h	23.00	300 AGL	80 Approach	150
i	24.50	50 AGL	80 Approach	150

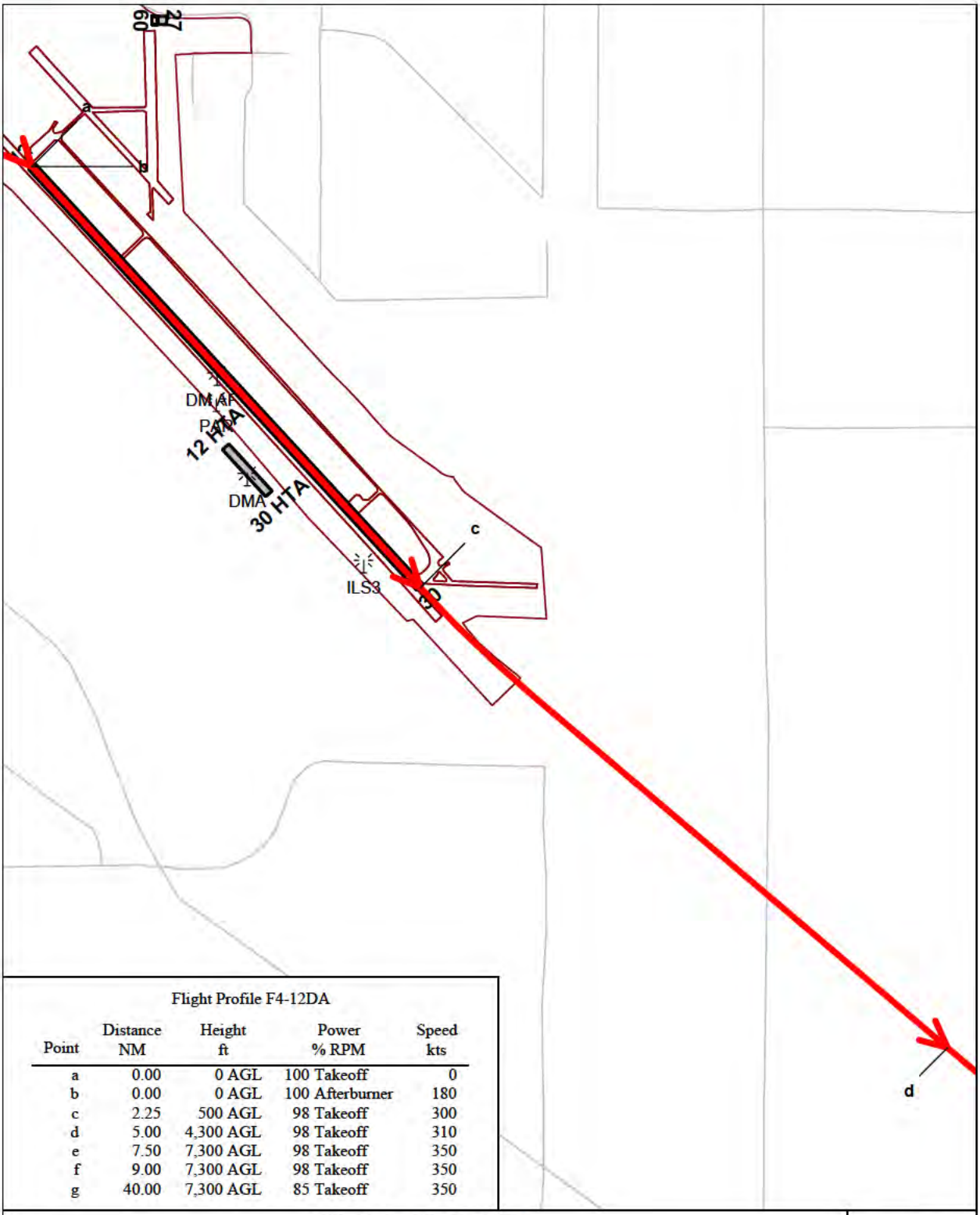


Flight Profile F4-12CB
Courts/Pitts Re-entry--AMARG

0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:80,200 (1 inch = 6,680 feet)

N



Flight Profile F4-12DA

Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	100 Takeoff	0
b	0.00	0 AGL	100 Afterburner	180
c	2.25	500 AGL	98 Takeoff	300
d	5.00	4,300 AGL	98 Takeoff	310
e	7.50	7,300 AGL	98 Takeoff	350
f	9.00	7,300 AGL	98 Takeoff	350
g	40.00	7,300 AGL	85 Takeoff	350

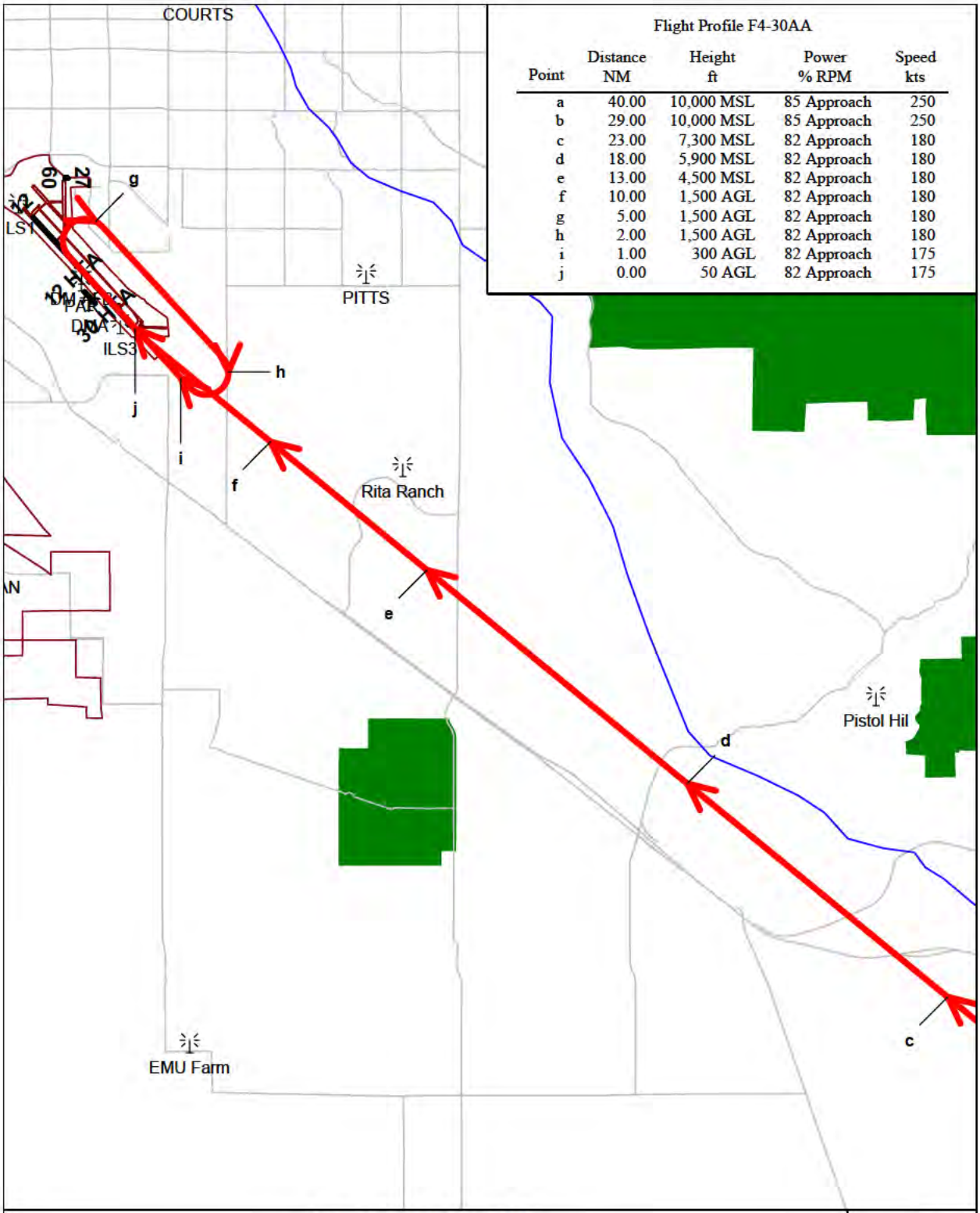
Flight Profile F4-12DA

Tomstone West AB Dep--AMARG

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000

Scale in Feet 1:43,000 (1 inch = 3,580 feet)

N



Flight Profile F4-30AA

Point	Distance NM	Height ft	Power % RPM	Speed kts
a	40.00	10,000 MSL	85 Approach	250
b	29.00	10,000 MSL	85 Approach	250
c	23.00	7,300 MSL	82 Approach	180
d	18.00	5,900 MSL	82 Approach	180
e	13.00	4,500 MSL	82 Approach	180
f	10.00	1,500 AGL	82 Approach	180
g	5.00	1,500 AGL	82 Approach	180
h	2.00	1,500 AGL	82 Approach	180
i	1.00	300 AGL	82 Approach	175
j	0.00	50 AGL	82 Approach	175

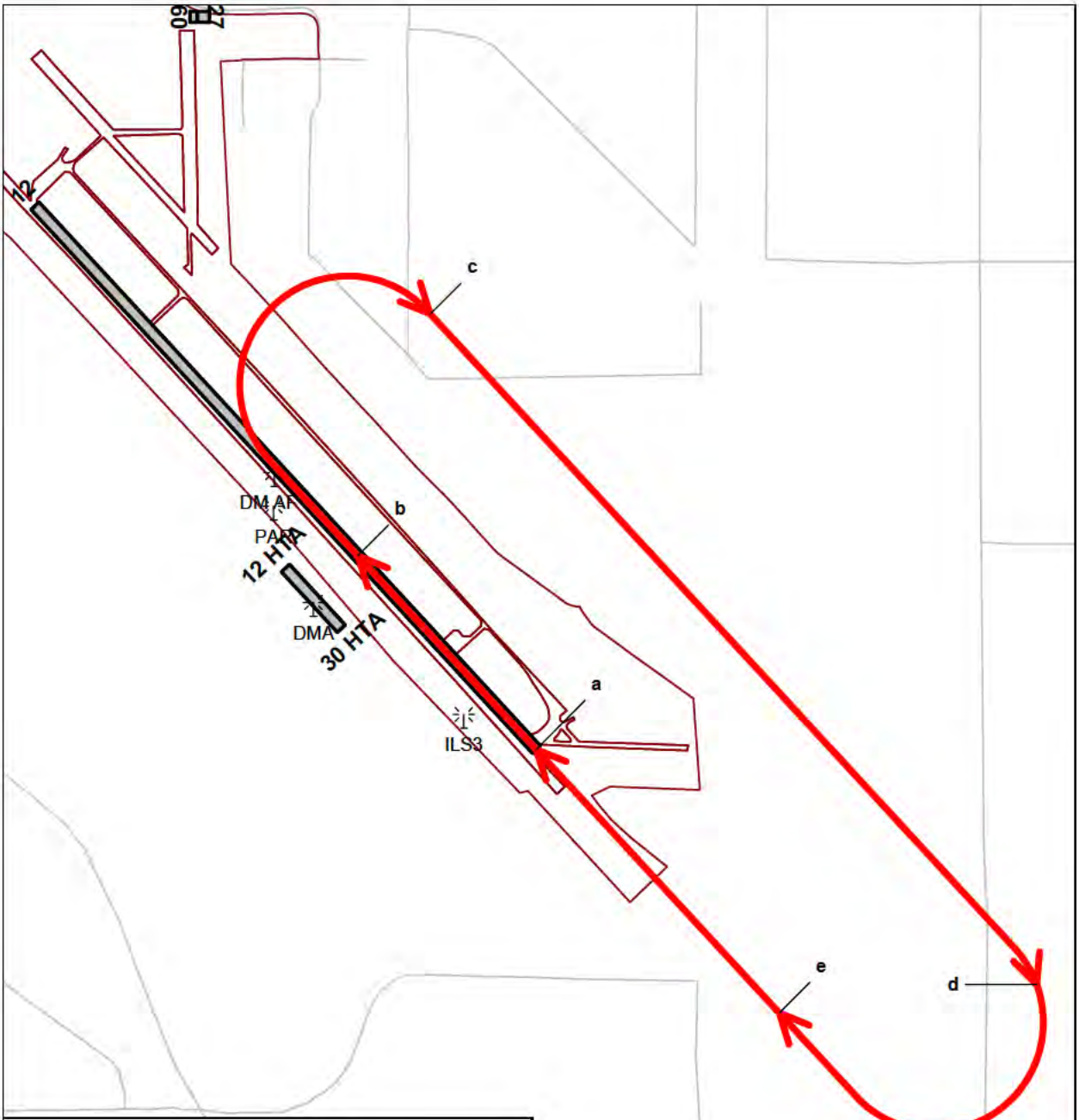
Flight Profile F4-30AA

TACAN with overhead--AMARG

0 10,000 20,000 30,000 40,000 50,000

Scale in Feet 1:162,000 (1 inch = 13,500 feet)

N



Flight Profile F4-30CA

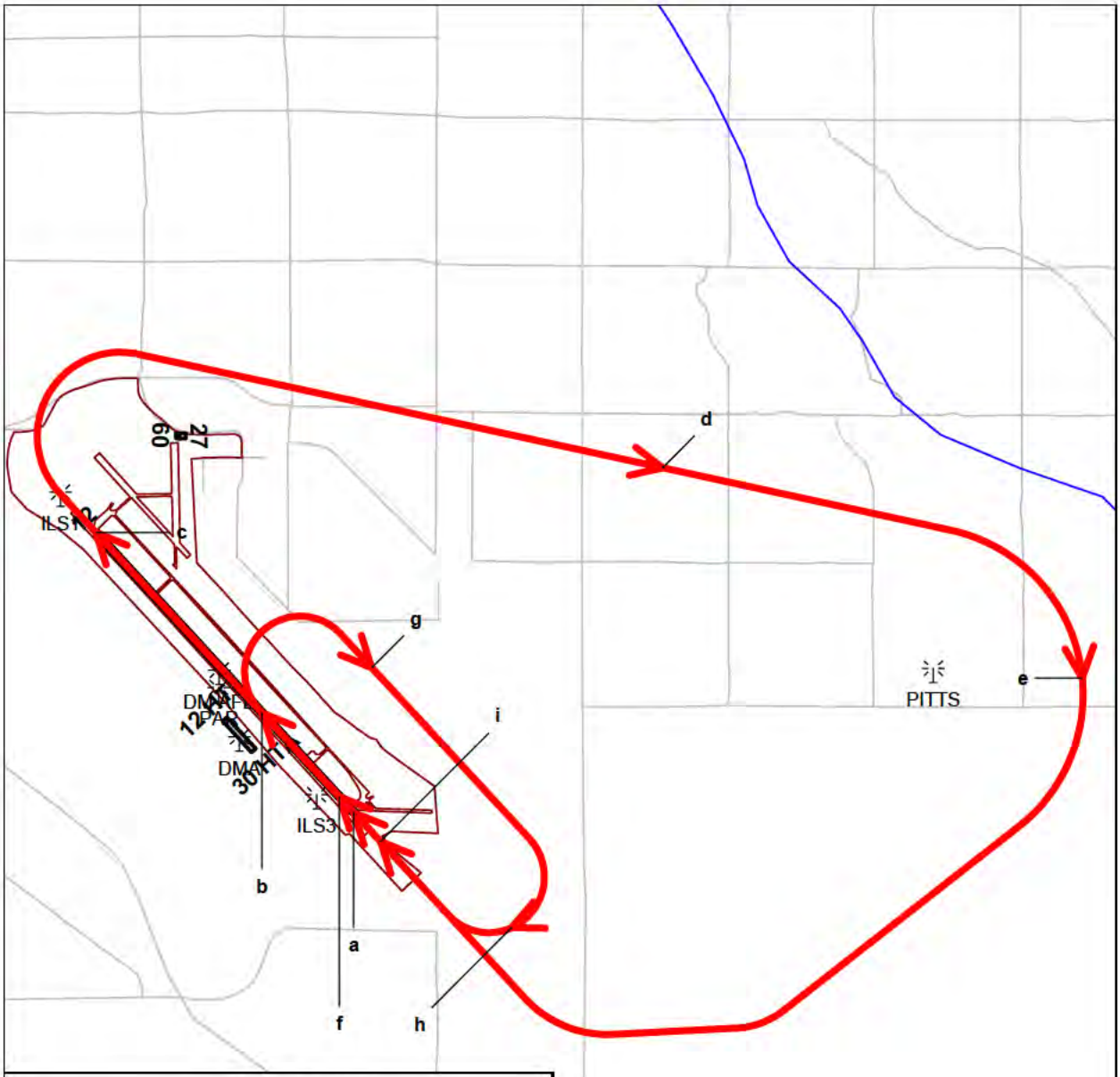
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	50 AGL	90 Takeoff	160
b	0.80	50 AGL	90 Takeoff	160
c	2.25	1,500 AGL	82 Takeoff	180
d	5.00	1,500 AGL	85 Approach	180
e	6.25	300 AGL	82 Approach	175

Flight Profile F4-30CA
Overhead--AMARG

0 2,000 4,000 6,000 8,000 10,000 12,000

Scale in Feet 1:36,600 (1 inch = 3,050 feet)

N



Flight Profile F4-30CB

Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	50 AGL	90 Takeoff	160
b	0.80	50 AGL	90 Takeoff	160
c	2.25	300 AGL	90 Takeoff	180
d	7.00	1,500 AGL	75 Approach	180
e	10.00	1,500 AGL	75 Approach	200
f	16.00	1,500 AGL	75 Approach	200
g	18.00	1,500 AGL	80 Approach	150
h	20.00	300 AGL	80 Approach	150
i	21.00	50 AGL	80 Approach	150

Flight Profile F4-30CB
Courts/Pitts Re-entry--AMARG

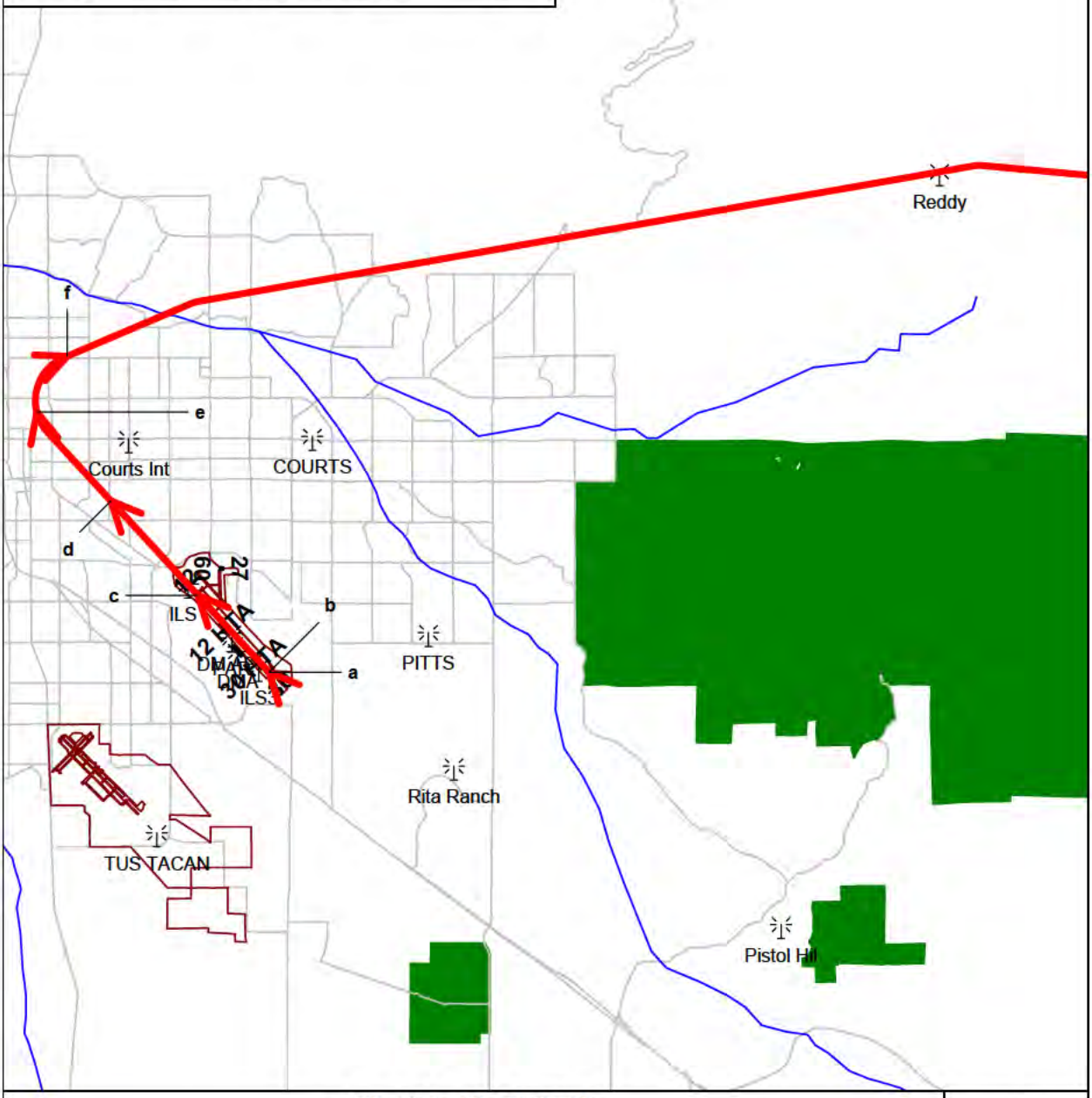
0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:73,900 (1 inch = 6,160 feet)

N

Flight Profile F4-30DA

Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	100 Takeoff	0
b	0.00	0 AGL	100 Afterburner	180
c	2.25	500 AGL	98 Takeoff	300
d	5.00	4,300 AGL	98 Takeoff	310
e	7.50	7,300 AGL	98 Takeoff	350
f	9.00	7,300 AGL	98 Takeoff	350
g	40.00	7,300 AGL	85 Takeoff	350

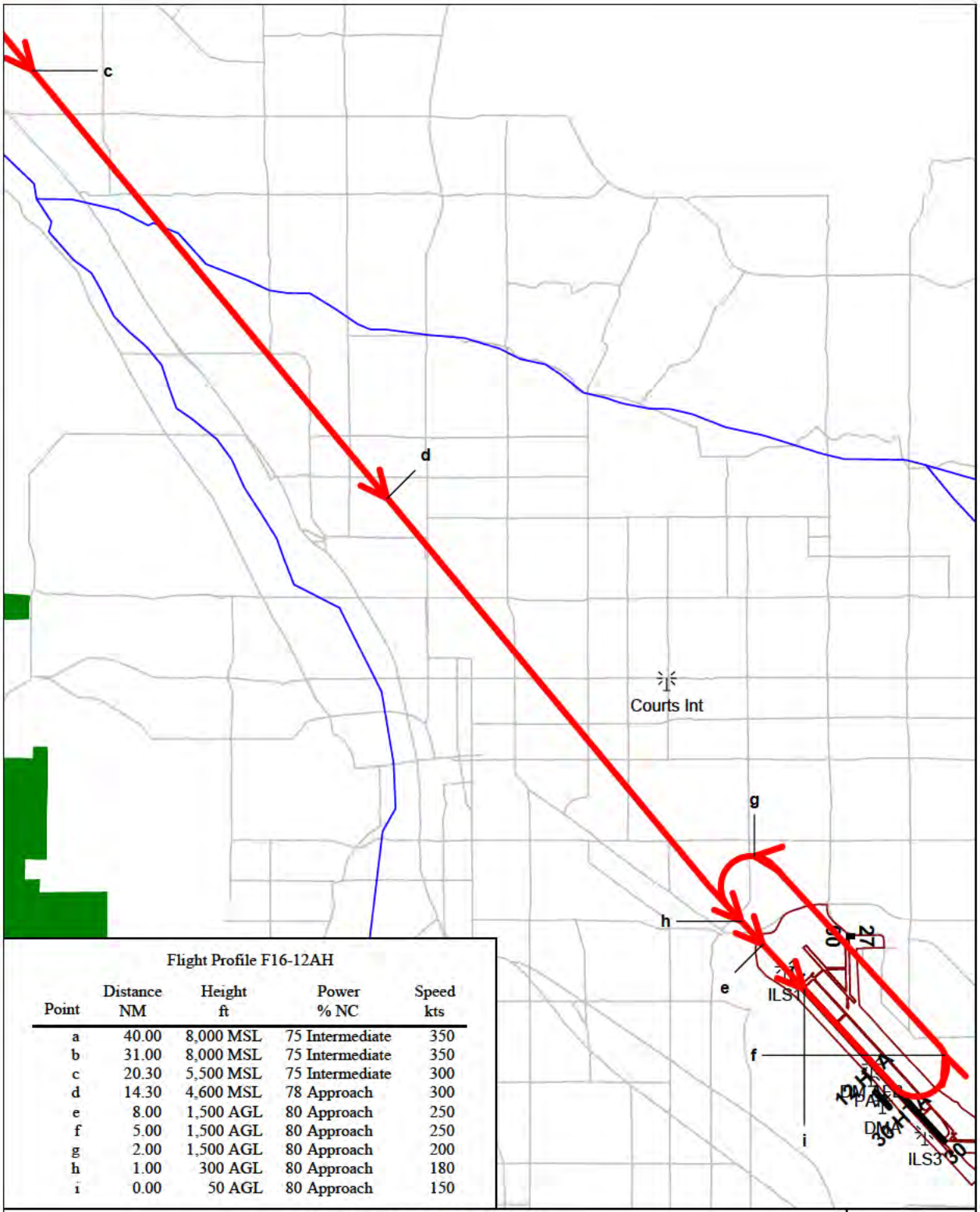


Flight Profile F4-30DA
Tomstone West AB Dep--AMARG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:262,000 (1 inch = 21,800 feet)

N



Flight Profile F16-12AH

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	8,000 MSL	75 Intermediate	350
b	31.00	8,000 MSL	75 Intermediate	350
c	20.30	5,500 MSL	75 Intermediate	300
d	14.30	4,600 MSL	78 Approach	300
e	8.00	1,500 AGL	80 Approach	250
f	5.00	1,500 AGL	80 Approach	250
g	2.00	1,500 AGL	80 Approach	200
h	1.00	300 AGL	80 Approach	180
i	0.00	50 AGL	80 Approach	150

Flight Profile F16-12AH
ILS to overhead--AMARG

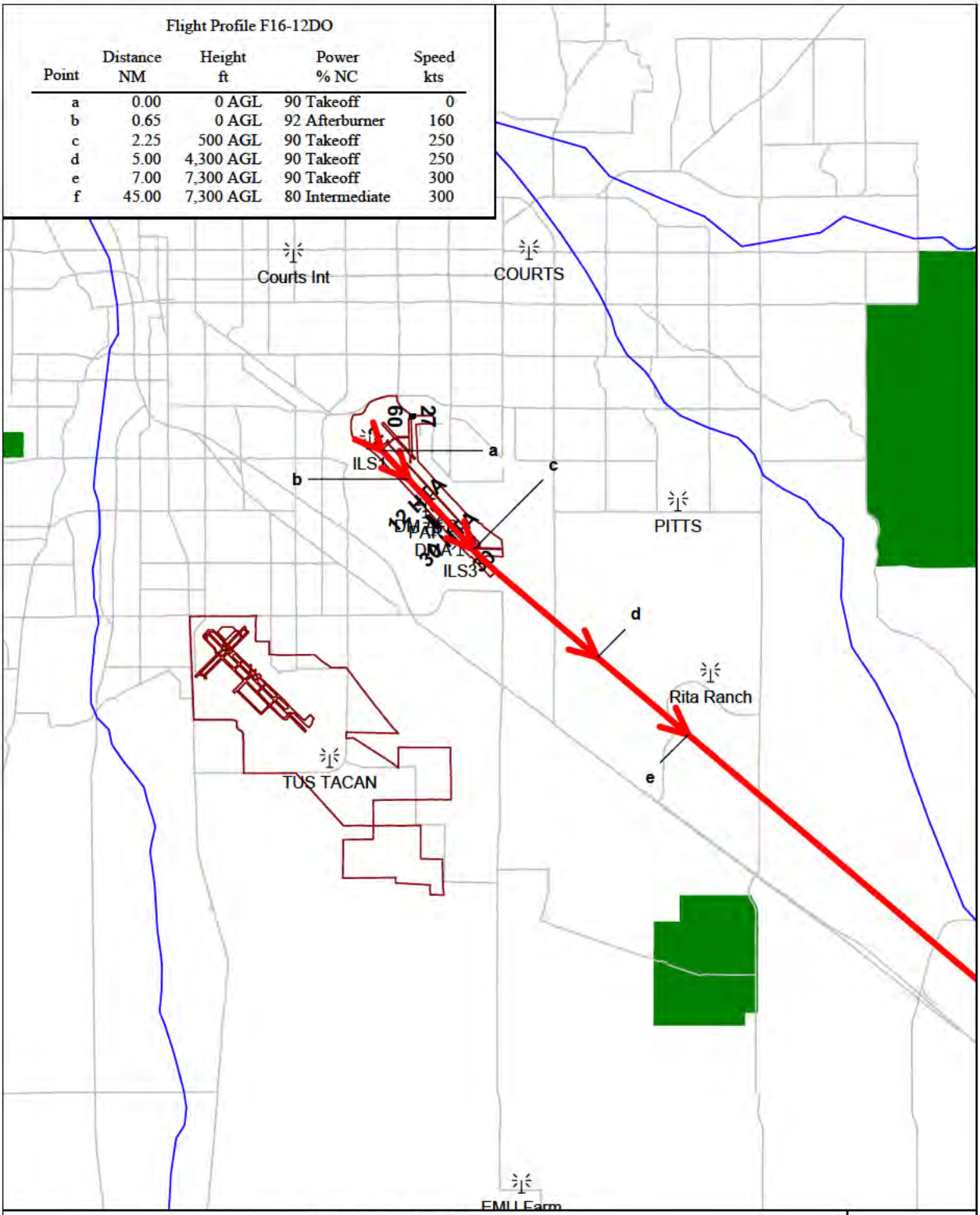
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:118,000 (1 inch = 9,840 feet)

N

Flight Profile F16-12DO

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.65	0 AGL	92 Afterburner	160
c	2.25	500 AGL	90 Takeoff	250
d	5.00	4,300 AGL	90 Takeoff	250
e	7.00	7,300 AGL	90 Takeoff	300
f	45.00	7,300 AGL	80 Intermediate	300

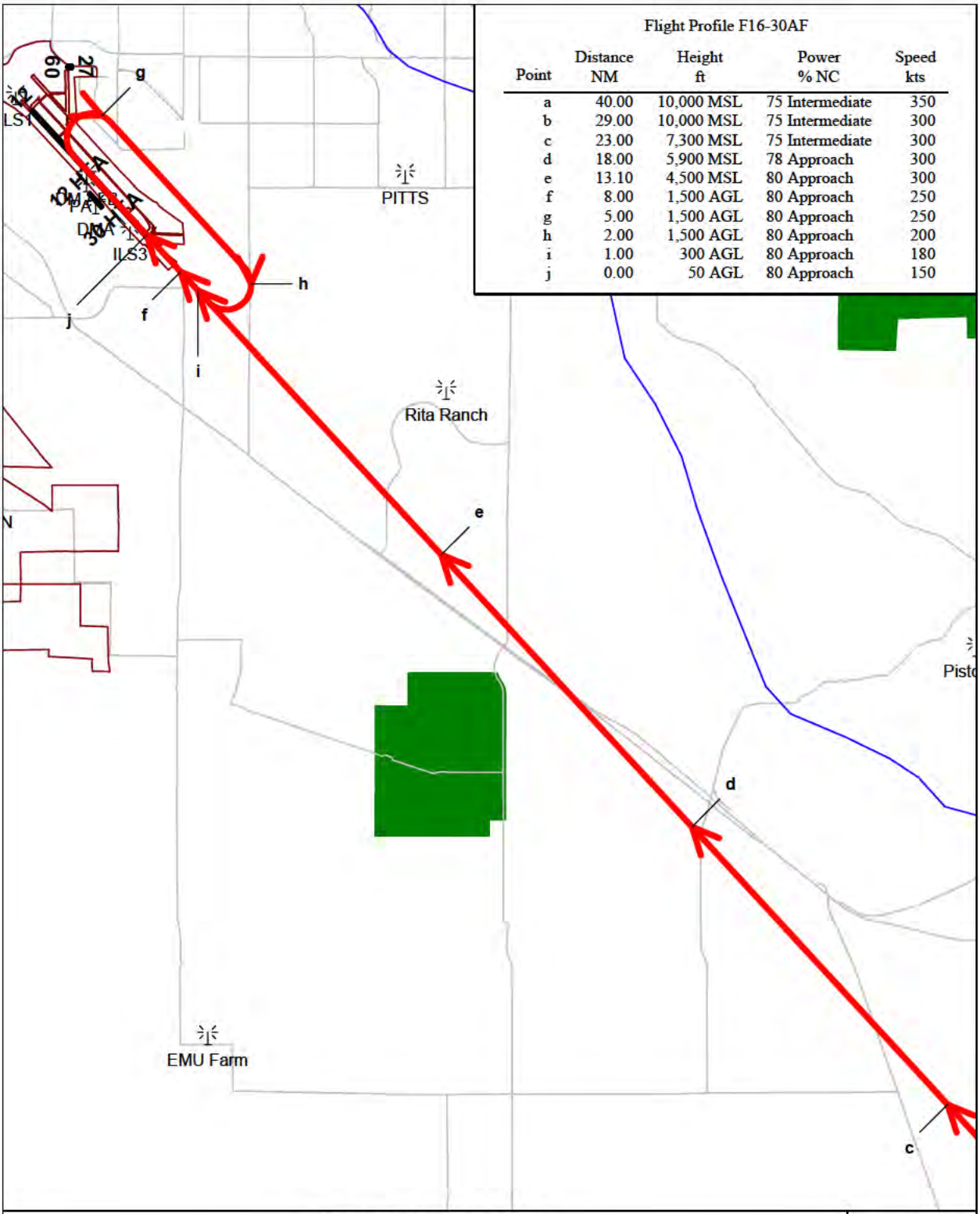


Flight Profile F16-12DO
Tombstone AB Dep--AMARG

0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:183,000 (1 inch = 15,300 feet)

N



Flight Profile F16-30AF

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	10,000 MSL	75 Intermediate	350
b	29.00	10,000 MSL	75 Intermediate	300
c	23.00	7,300 MSL	75 Intermediate	300
d	18.00	5,900 MSL	78 Approach	300
e	13.10	4,500 MSL	80 Approach	300
f	8.00	1,500 AGL	80 Approach	250
g	5.00	1,500 AGL	80 Approach	250
h	2.00	1,500 AGL	80 Approach	200
i	1.00	300 AGL	80 Approach	180
j	0.00	50 AGL	80 Approach	150

Flight Profile F16-30AF
ILS to overhead--AMARG

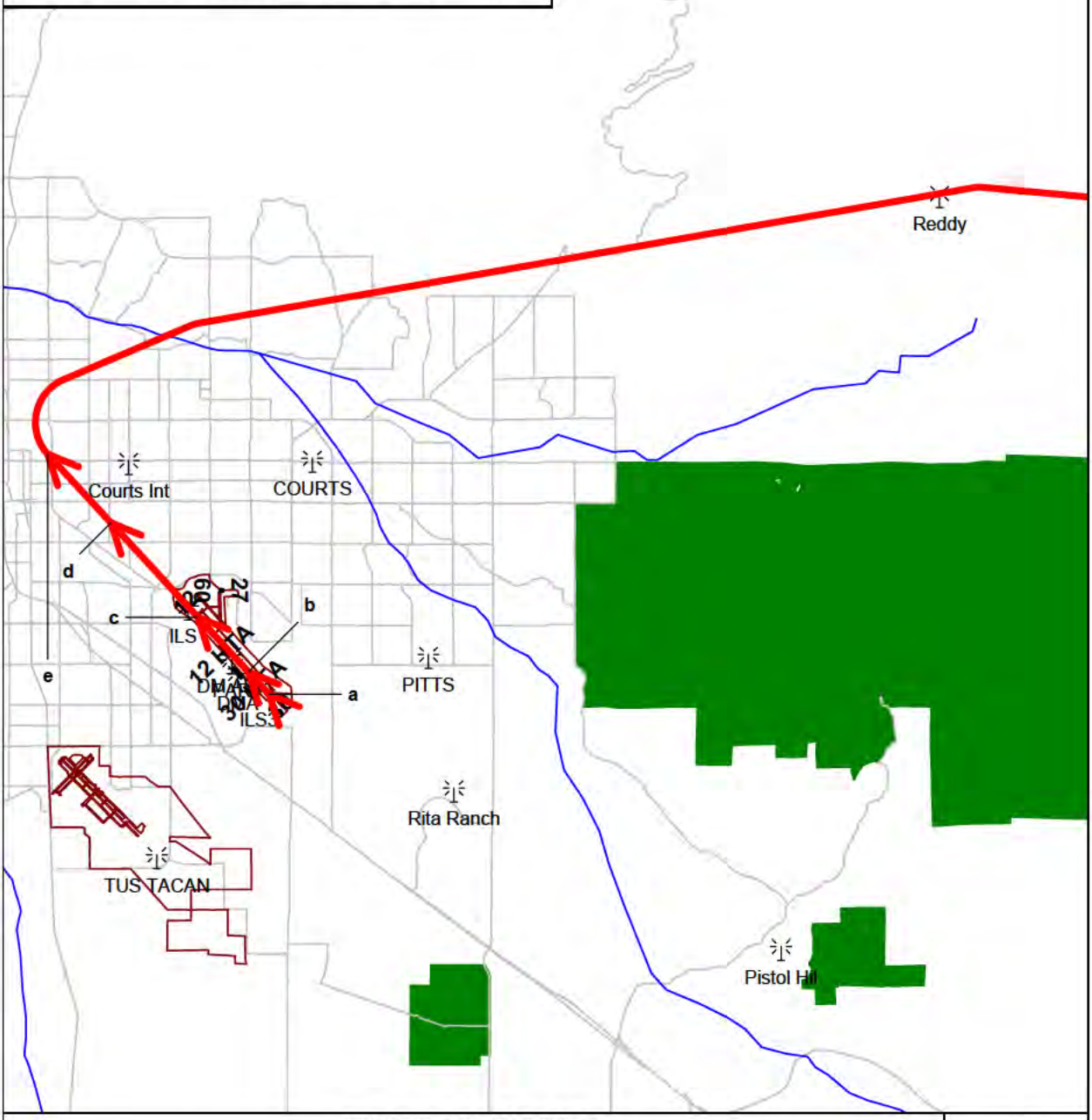
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000

Scale in Feet 1:145,000 (1 inch = 12,100 feet)

N

Flight Profile F16-30DO

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.65	0 AGL	92 Afterburner	160
c	2.25	500 AGL	90 Takeoff	250
d	5.00	4,300 AGL	90 Takeoff	250
e	7.00	7,300 AGL	90 Takeoff	300
f	45.00	7,300 AGL	80 Intermediate	300

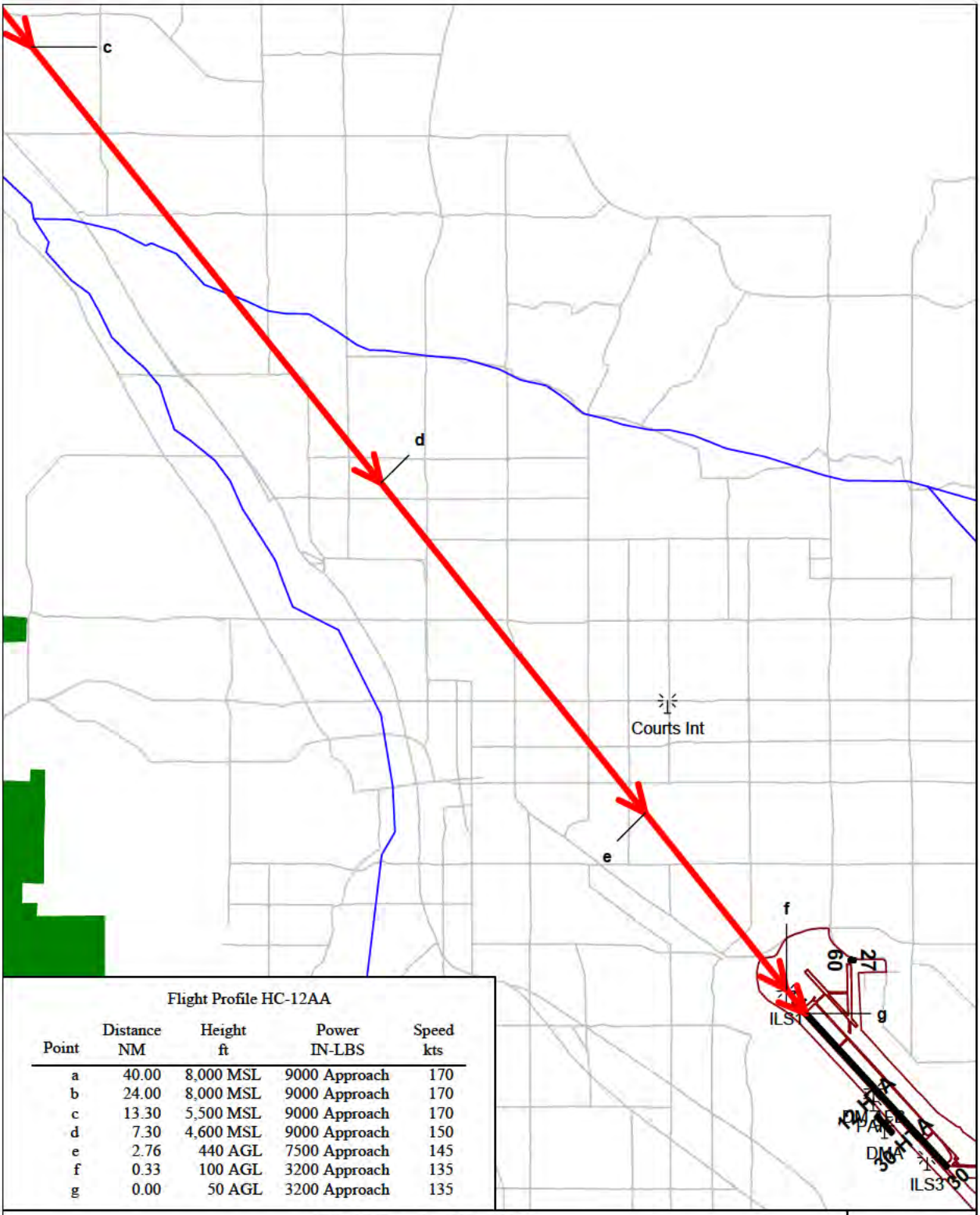


Flight Profile F16-30DO
Tombstone AB Dep--AMARG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:262,000 (1 inch = 21,800 feet)

N



Flight Profile HC-12AA

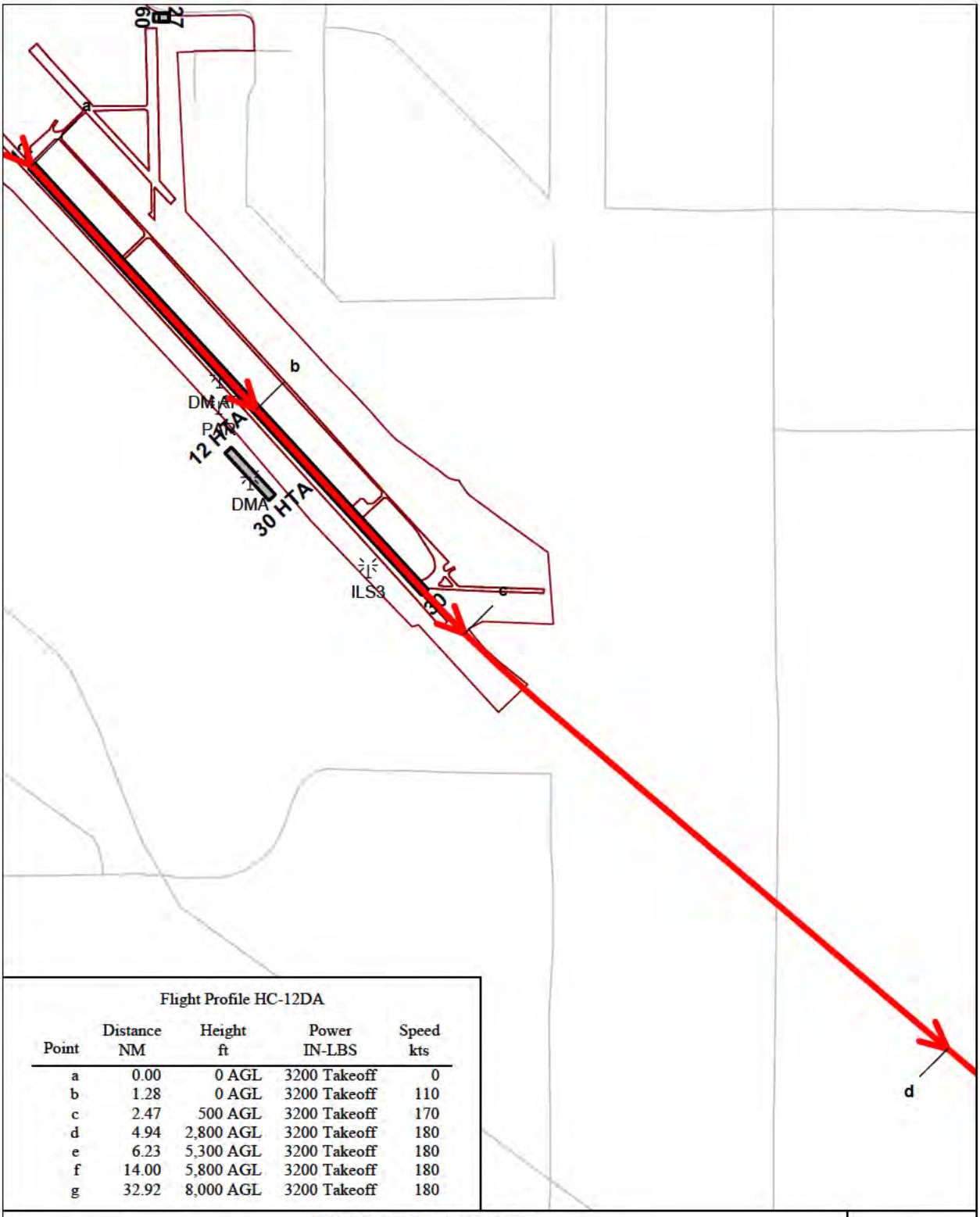
Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	40.00	8,000 MSL	9000 Approach	170
b	24.00	8,000 MSL	9000 Approach	170
c	13.30	5,500 MSL	9000 Approach	170
d	7.30	4,600 MSL	9000 Approach	150
e	2.76	440 AGL	7500 Approach	145
f	0.33	100 AGL	3200 Approach	135
g	0.00	50 AGL	3200 Approach	135

Flight Profile HC-12AA
VFR--AMARG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:118,000 (1 inch = 9,800 feet)

N



Flight Profile HC-12DA

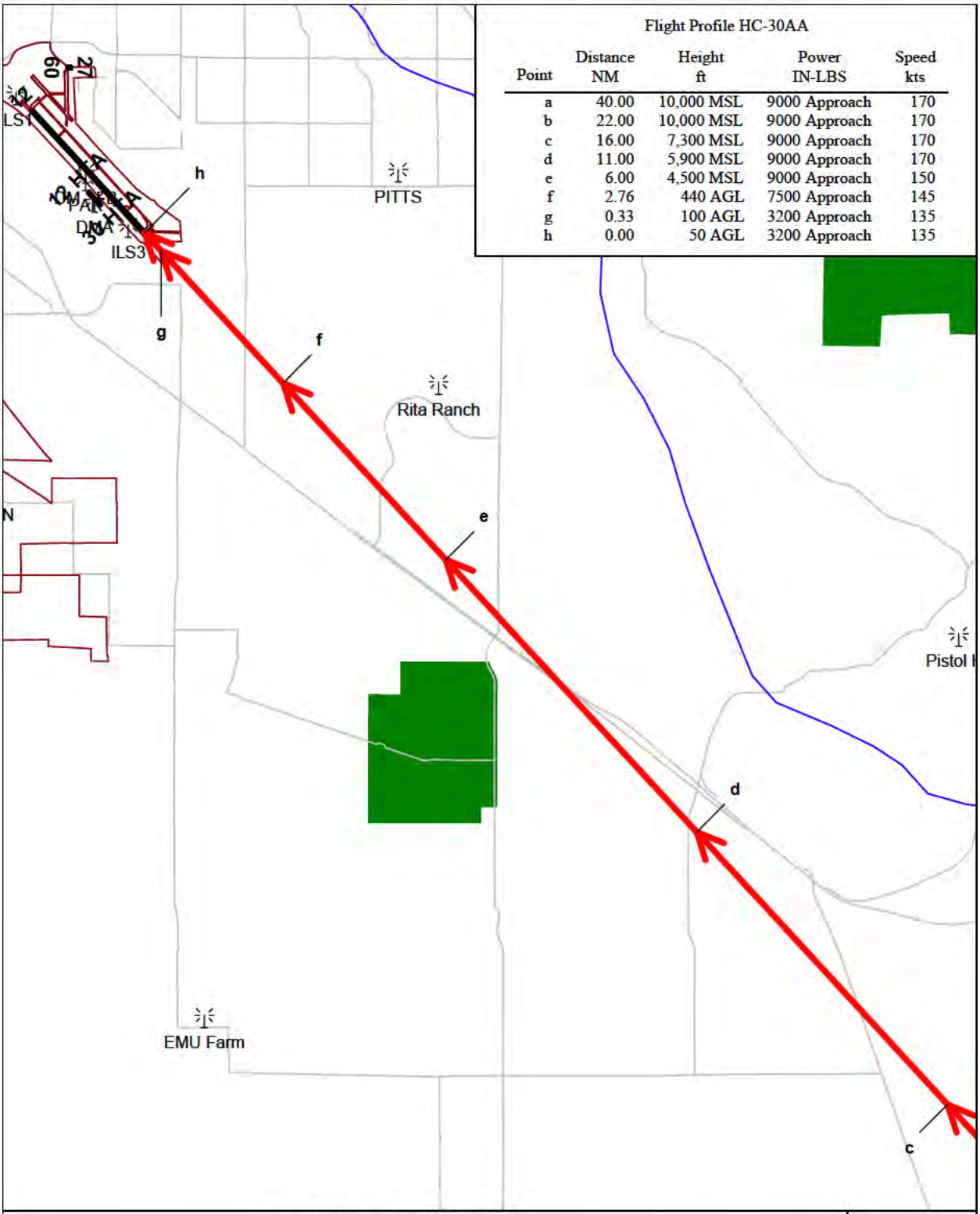
Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	0 AGL	3200 Takeoff	0
b	1.28	0 AGL	3200 Takeoff	110
c	2.47	500 AGL	3200 Takeoff	170
d	4.94	2,800 AGL	3200 Takeoff	180
e	6.23	5,300 AGL	3200 Takeoff	180
f	14.00	5,800 AGL	3200 Takeoff	180
g	32.92	8,000 AGL	3200 Takeoff	180

Flight Profile HC-12DA
Tombstone--AMARG

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000

Scale in Feet 1:42,400 (1 inch = 3,530 feet)

N



Flight Profile HC-30AA

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	40.00	10,000 MSL	9000 Approach	170
b	22.00	10,000 MSL	9000 Approach	170
c	16.00	7,300 MSL	9000 Approach	170
d	11.00	5,900 MSL	9000 Approach	170
e	6.00	4,500 MSL	9000 Approach	150
f	2.76	440 AGL	7500 Approach	145
g	0.33	100 AGL	3200 Approach	135
h	0.00	50 AGL	3200 Approach	135

Flight Profile HC-30AA
VFR--AMARG

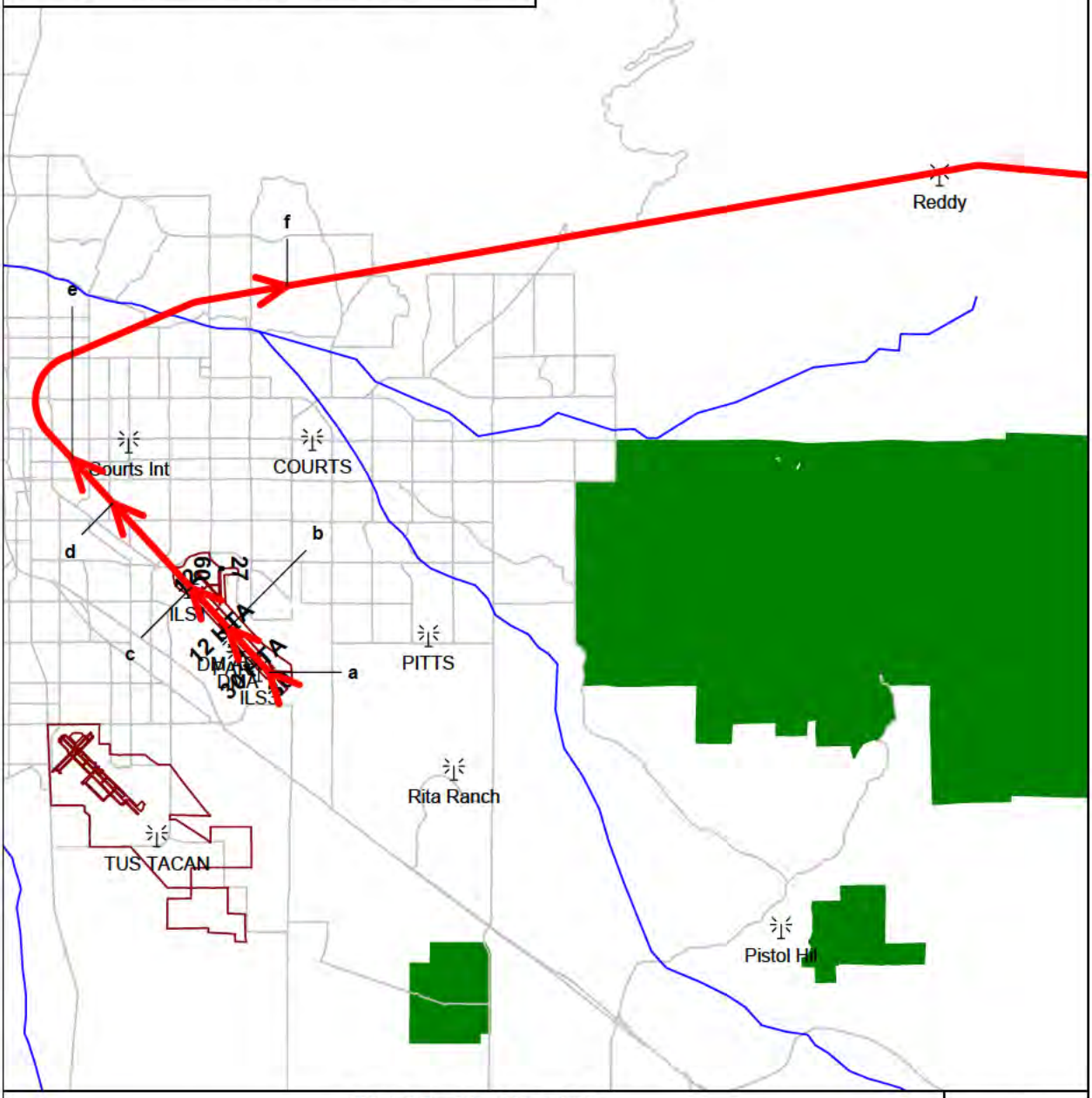
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:148,000 (1 inch = 12,300 feet)

N

Flight Profile HC-30DA

Point	Distance NM	Height ft	Power IN-LBS	Speed kts
a	0.00	0 AGL	3200 Takeoff	0
b	1.28	0 AGL	3200 Takeoff	110
c	2.47	500 AGL	3200 Takeoff	170
d	4.94	2,800 AGL	3200 Takeoff	180
e	6.23	5,300 AGL	3200 Takeoff	180
f	14.00	5,800 AGL	3200 Takeoff	180
g	32.92	8,000 AGL	3200 Takeoff	180

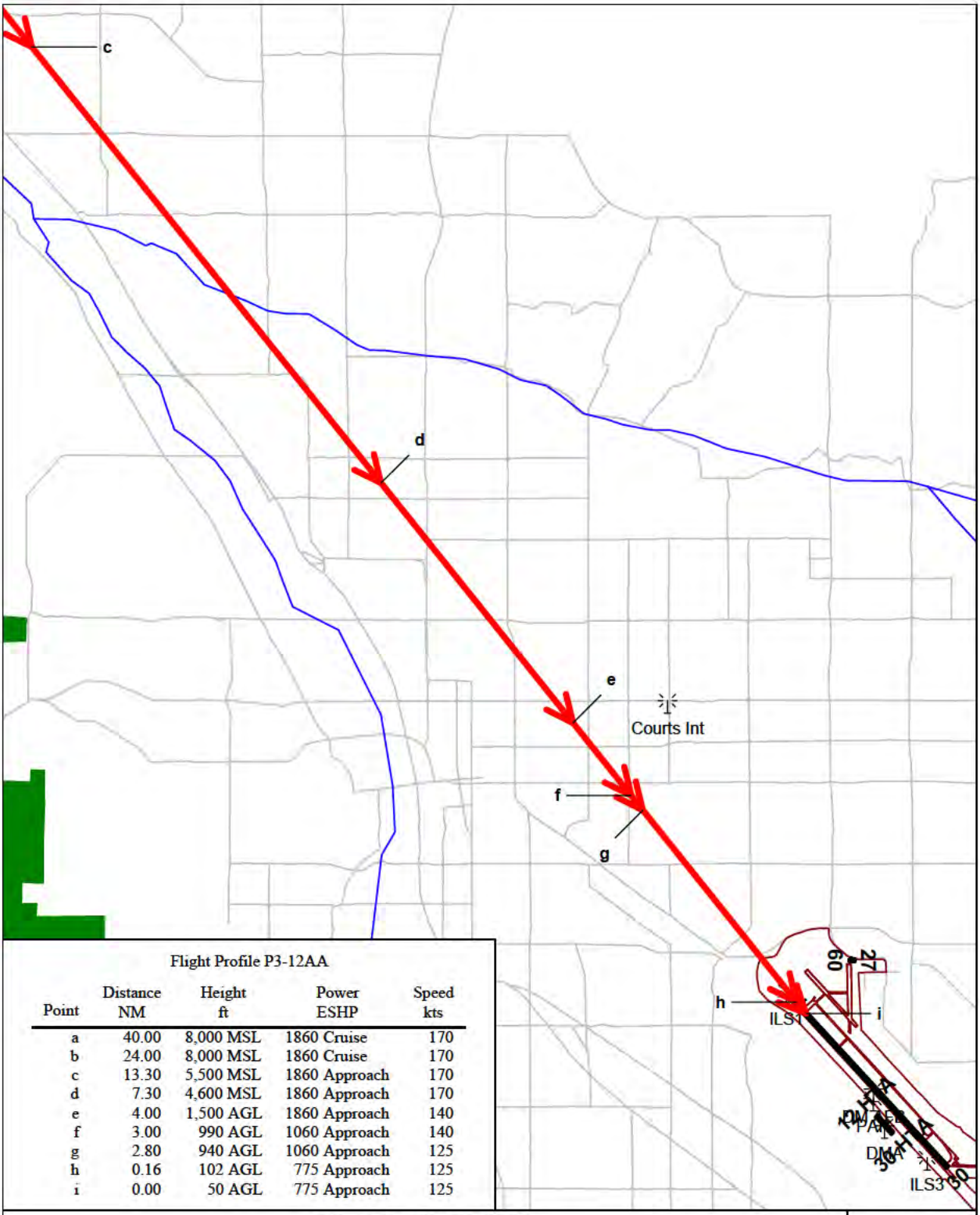


Flight Profile HC-30DA
Tombstone--AMARG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:262,000 (1 inch = 21,800 feet)

N



Flight Profile P3-12AA

Point	Distance NM	Height ft	Power ESHP	Speed kts
a	40.00	8,000 MSL	1860 Cruise	170
b	24.00	8,000 MSL	1860 Cruise	170
c	13.30	5,500 MSL	1860 Approach	170
d	7.30	4,600 MSL	1860 Approach	170
e	4.00	1,500 AGL	1860 Approach	140
f	3.00	990 AGL	1060 Approach	140
g	2.80	940 AGL	1060 Approach	125
h	0.16	102 AGL	775 Approach	125
i	0.00	50 AGL	775 Approach	125

Flight Profile P3-12AA
Straight in--AMARG

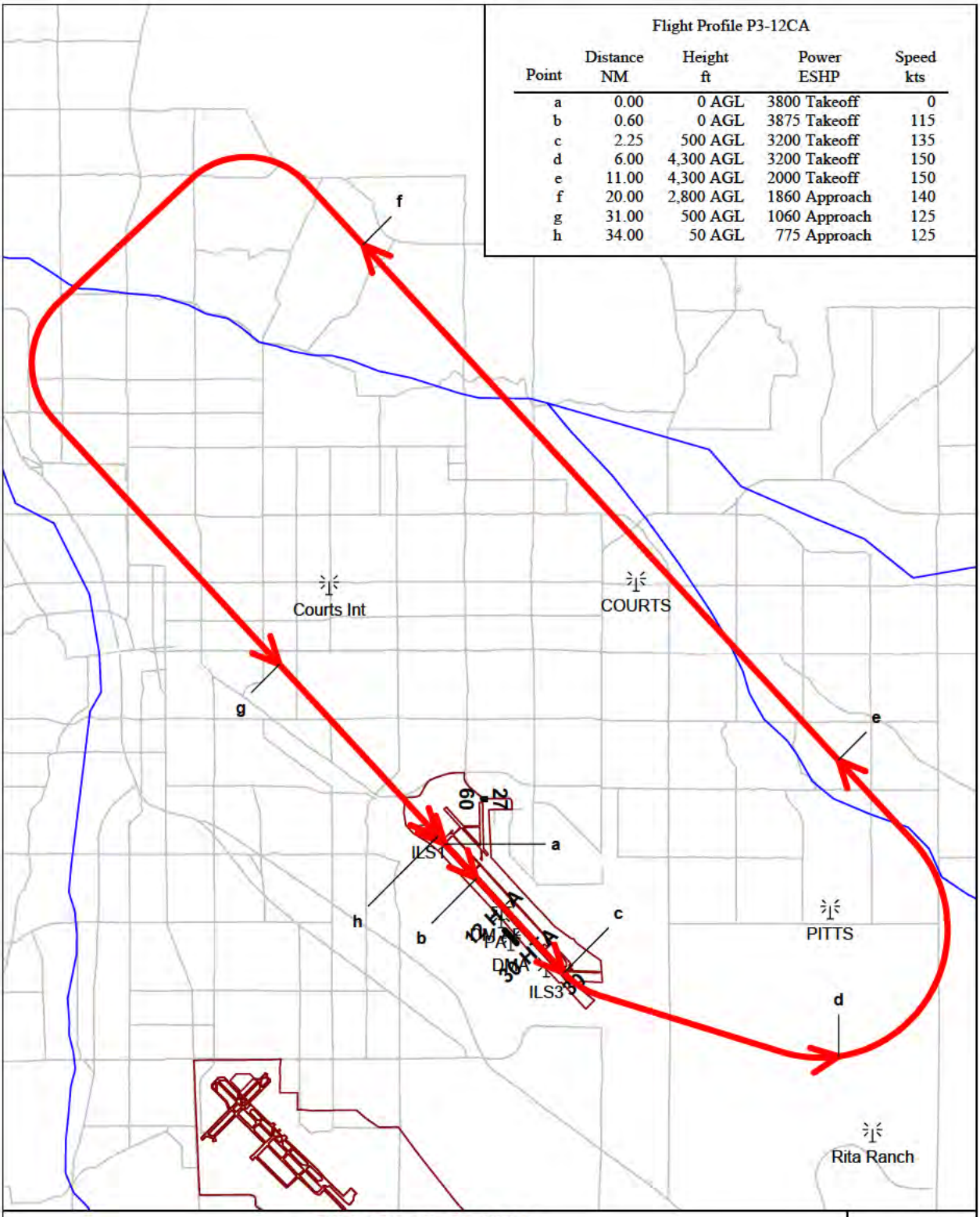
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:118,000 (1 inch = 9,800 feet)

N

Flight Profile P3-12CA

Point	Distance NM	Height ft	Power ESHP	Speed kts
a	0.00	0 AGL	3800 Takeoff	0
b	0.60	0 AGL	3875 Takeoff	115
c	2.25	500 AGL	3200 Takeoff	135
d	6.00	4,300 AGL	3200 Takeoff	150
e	11.00	4,300 AGL	2000 Takeoff	150
f	20.00	2,800 AGL	1860 Approach	140
g	31.00	500 AGL	1060 Approach	125
h	34.00	50 AGL	775 Approach	125

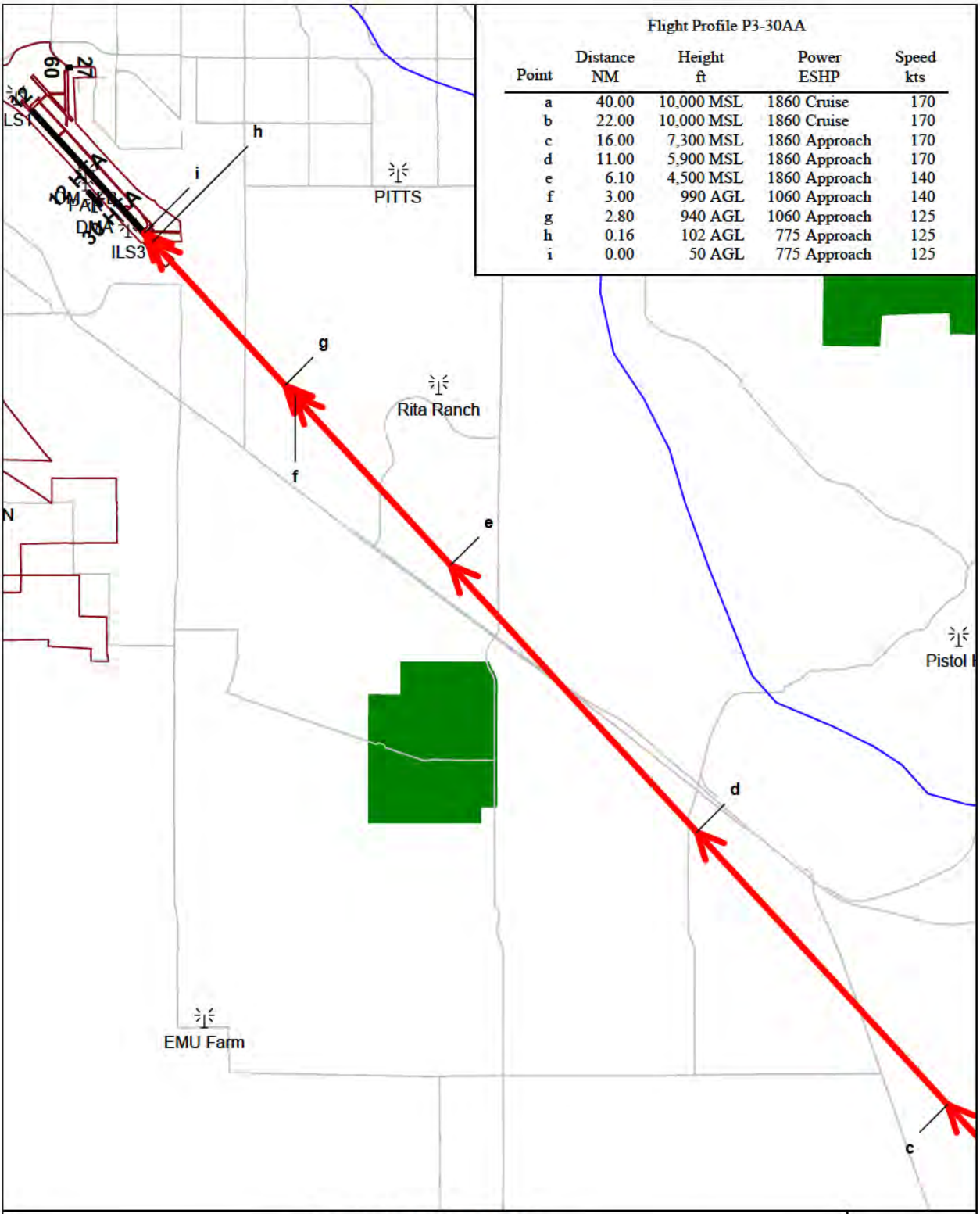


Flight Profile P3-12CA
Radar Closed Pattern--AMARG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000

Scale in Feet 1:141,000 (1 inch = 11,700 feet)

N



Flight Profile P3-30AA

Point	Distance NM	Height ft	Power ESHP	Speed kts
a	40.00	10,000 MSL	1860 Cruise	170
b	22.00	10,000 MSL	1860 Cruise	170
c	16.00	7,300 MSL	1860 Approach	170
d	11.00	5,900 MSL	1860 Approach	170
e	6.10	4,500 MSL	1860 Approach	140
f	3.00	990 AGL	1060 Approach	140
g	2.80	940 AGL	1060 Approach	125
h	0.16	102 AGL	775 Approach	125
i	0.00	50 AGL	775 Approach	125

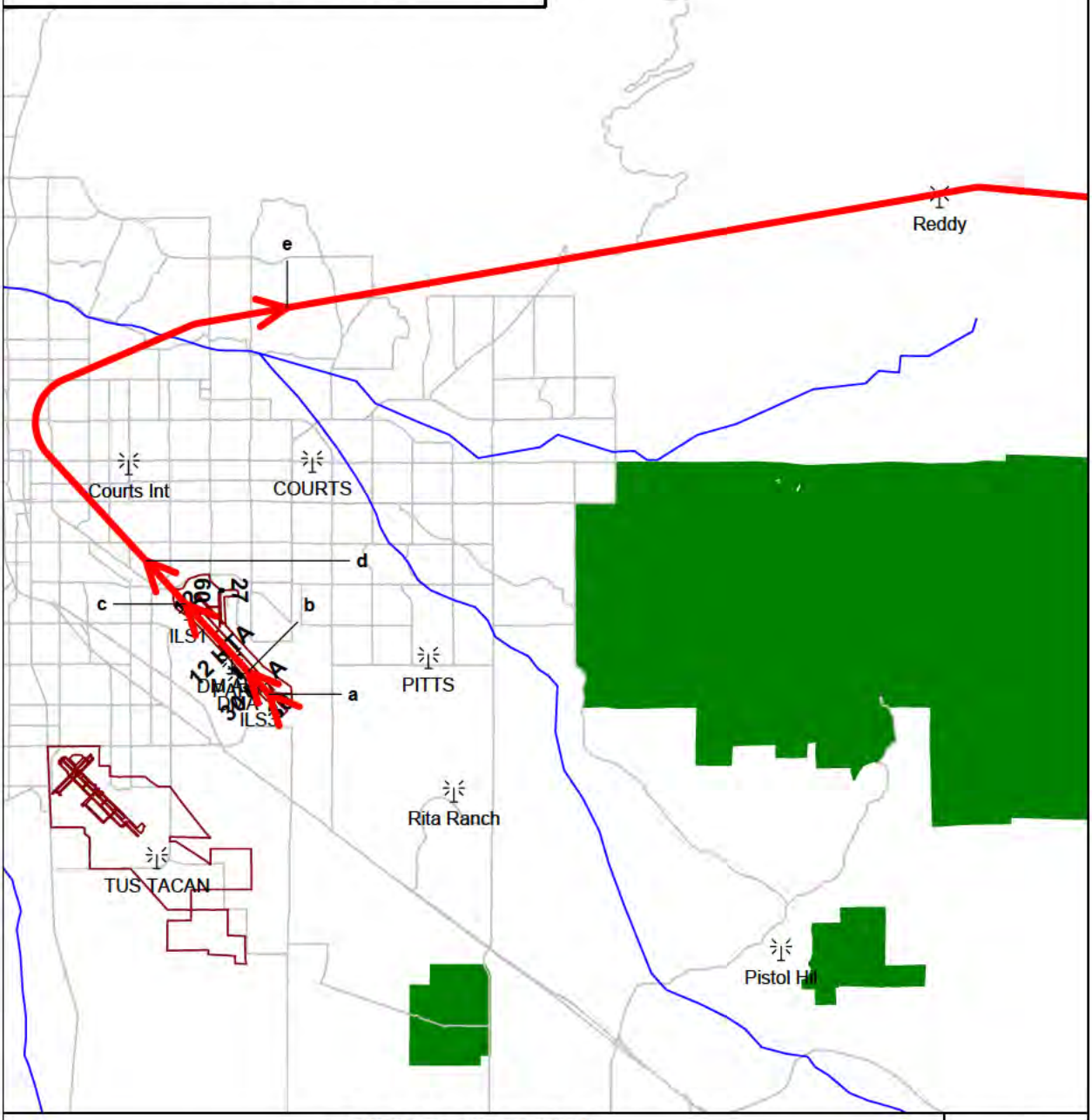
Flight Profile P3-30AA
Straight in--AMARG

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:148,000 (1 inch = 12,300 feet)

Flight Profile P3-30DA

Point	Distance NM	Height ft	Power ESHP	Speed kts
a	0.00	0 AGL	3800 Takeoff	0
b	0.66	0 AGL	3875 Takeoff	115
c	2.63	1,000 AGL	3200 Takeoff	190
d	3.90	2,000 AGL	3200 Takeoff	190
e	14.00	5,800 AGL	2000 Takeoff	190
f	32.92	10,000 AGL	2000 Cruise	190

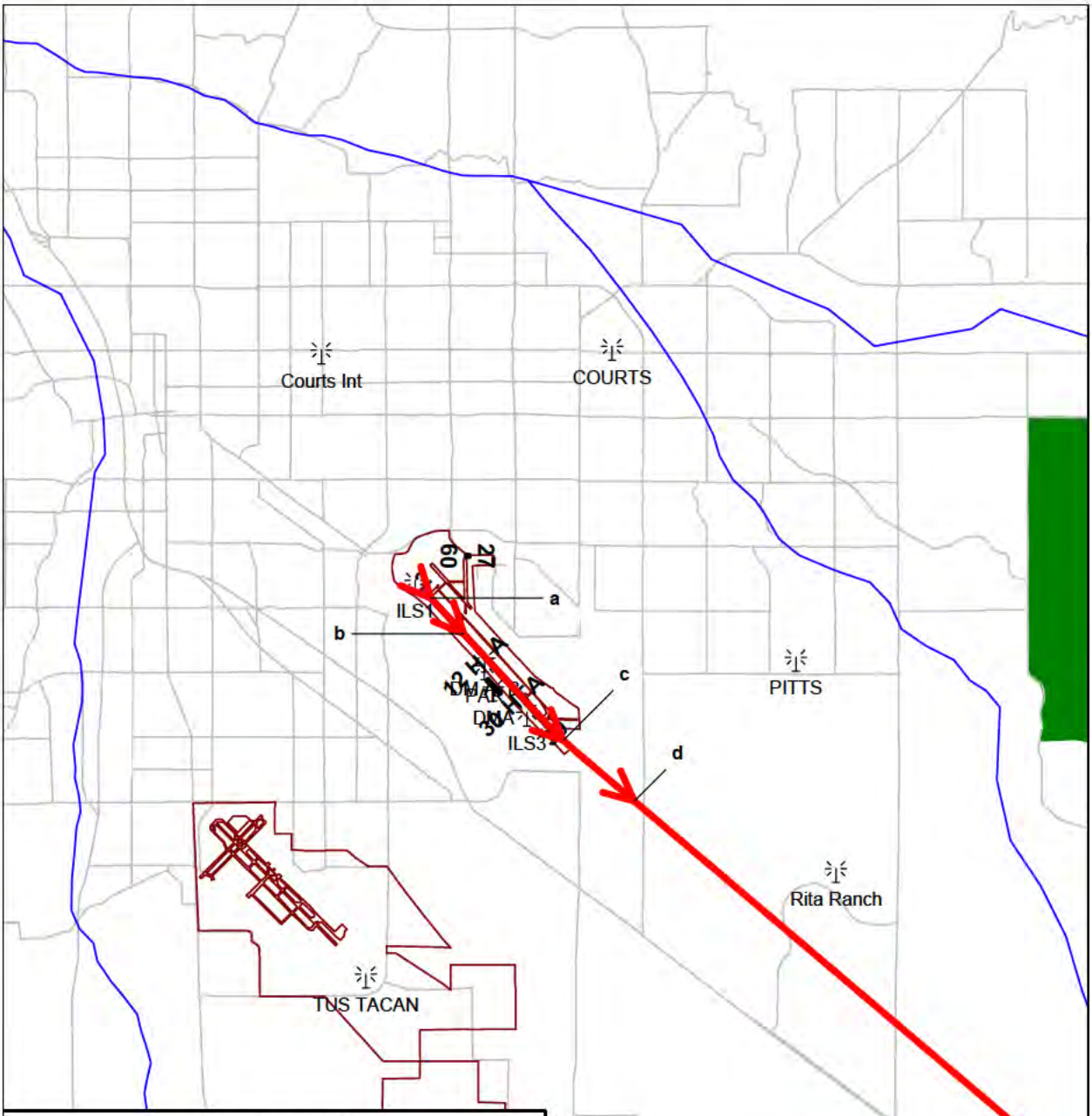


Flight Profile P3-30DA
Tombstone West--AMARG

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:262,000 (1 inch = 21,800 feet)

N



Flight Profile P3-DA

Point	Distance NM	Height ft	Power ESHP	Speed kts
a	0.00	0 AGL	3800 Takeoff	0
b	0.66	0 AGL	3875 Takeoff	115
c	2.63	1,000 AGL	3200 Takeoff	190
d	3.90	2,000 AGL	3200 Takeoff	190
e	14.00	5,800 AGL	2000 Takeoff	190
f	32.92	10,000 AGL	2000 Cruise	190

Flight Profile P3-DA
Tombstone West--AMARG

0 10,000 20,000 30,000 40,000 50,000

Scale in Feet 1:165,000 (1 inch = 13,800 feet)

N

Static Profile Details

FCF - FCF--AMARG

Notes Flyout Check
Aircraft P-3A
Engine T56-A-14
Suppressor NONE
Pad Trim Pad 2
Heading 270 ° mag
Profile Segments

Power C TIT	Day Ops	Night Ops	Duration sec	Number Engines
611 Idle	0.08	0	900	1
965 Takeoff	0.08	0	2700	1
611 Idle	0.08	0	900	1

FCF - FCF--AMARG

Notes
Aircraft F-16C
Engine F100-PW-220
Suppressor NONE
Pad 11
Heading 225 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
69 Idle	0.046	0	180	1

FCF 6 - Hot/FCF Preflight Run Trim Pad 2--AMARG

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad Trim Pad 2
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
64 Idle	0.065	0	600	1
95 Takeoff	0.065	0	600	1
64 Idle	0.065	0	900	1

Flightline - Flightline--AMARG

Notes
Aircraft F-4C
Engine J79-GE-15E or -15
Suppressor NONE

Pad Trim Pad 3
Heading 120 ° mag
Profile Segments

Power % RPM	Day Ops	Night Ops	Duration sec	Number Engines
75 Idle	0.76	0.04	1800	1

Flightline - Flightline--AMARG

Notes
Aircraft F-16C
Engine F100-PW-220
Suppressor NONE
Pad Trim Pad 3
Heading 120 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
75 Idle	2	0	1200	1

Flightline - Flightline--AMARG

Notes
Aircraft C-130H&N&P
Engine T56-A-15
Suppressor NONE
Pad Trim Pad 3
Heading 125 ° mag
Profile Segments

Power IN-LBS	Day Ops	Night Ops	Duration sec	Number Engines
800 Low Idle	0.015	0	5400	4
9600 Power Runup	0.015	0	7200	4

Flightline - Flightline--AMARG

Notes
Aircraft P-3A
Engine T56-A-14
Suppressor NONE
Pad Trim Pad 3
Heading 120 ° mag
Profile Segments

Power C TIT	Day Ops	Night Ops	Duration sec	Number Engines
611 Idle	0.035	0	5400	4
775 Power Runup	0.035	0	7200	4

Leak Ck 1 - Functional and Leak Check--AMARG

Notes
Aircraft F-4C
Engine J79-GE-15E or -15

Suppressor NONE
Pad Trim Pad 2
Heading 120 ° mag
Profile Segments

Power % RPM	Day Ops	Night Ops	Duration sec	Number Engines
65 Idle	0.138	0	4740	1
100 Mil	0.138	0	660	1
80 85% RPM Eng Runup	0.138	0	60	1
100 Max A/B	0.138	0	180	1

Leak Ck 2 - Functional and Leak Check at Test Cell--AMARG

Notes
Aircraft F-4C
Engine J79-GE-15E or -15
Suppressor NONE
Pad Test Cell - Trim Pad 1/Test Cell
Heading 125 ° mag
Profile Segments

Power % RPM	Day Ops	Night Ops	Duration sec	Number Engines
65 Idle	0.462	0	2000	1
100 Mil	0.462	0	500	1
100 Max A/B	0.462	0	360	1

ATTACHMENT 8

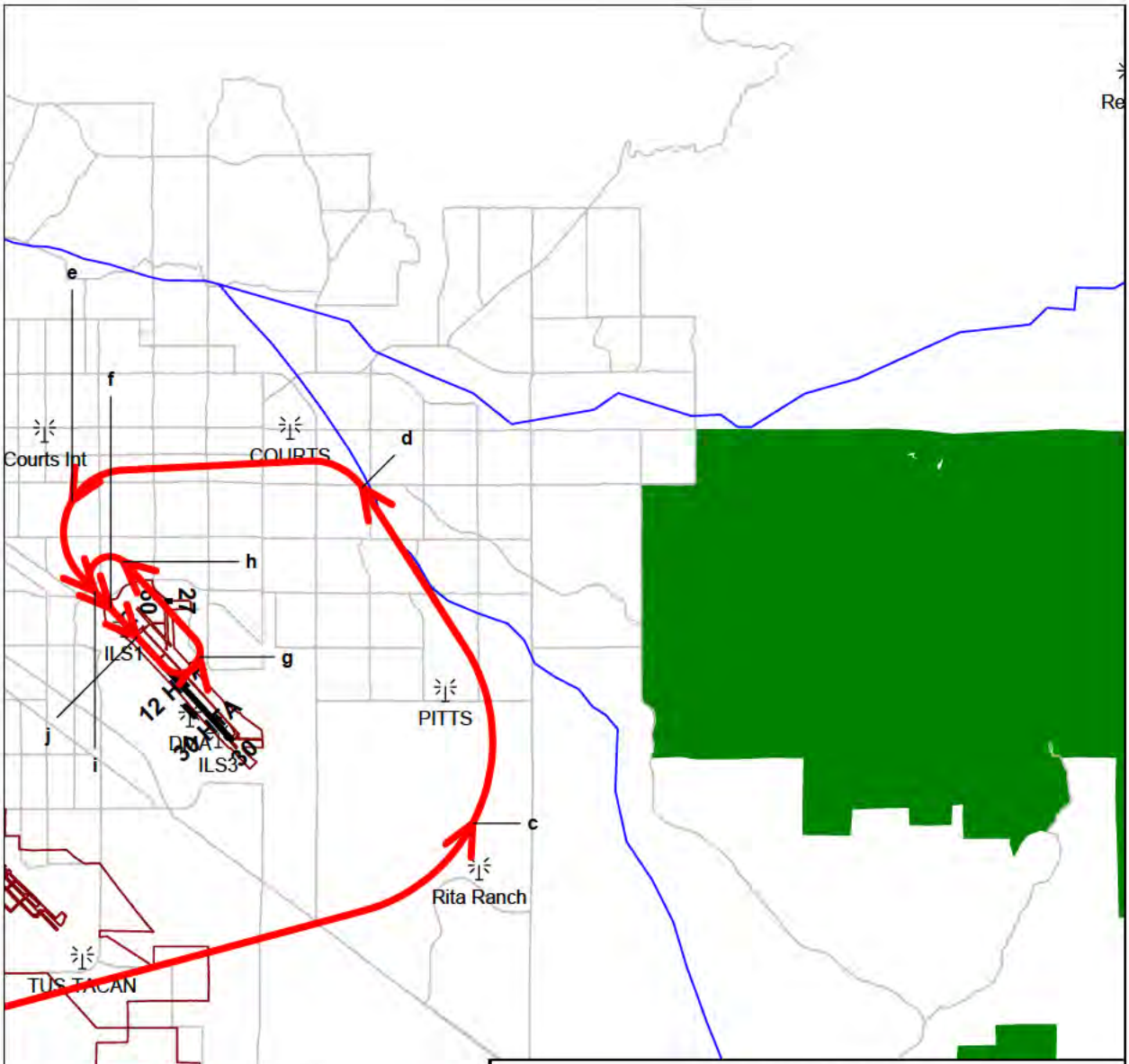
SNOWBIRD SUMMARY DATA

2007 AICUZ Re-Validation 07/30/07

Snowbird Flight Profile Operations Summary

11:35 AM
Monday, September 24, 2007
BaseOps 7.3

Maps of Flight Profiles



Flight Profile A10-12AH

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	86 Normal Rated Thrust	250
b	30.00	9,000 MSL	86 Normal Rated Thrust	250
c	19.00	5,500 MSL	86 Normal Rated Thrust	250
d	13.00	4,600 MSL	86 Normal Rated Thrust	250
e	8.00	1,500 AGL	87 Traffic Pattern	250
f	6.00	1,500 AGL	93 Normal Rated Thrust	250
g	4.00	1,500 AGL	93 Normal Rated Thrust	250
h	2.00	1,500 AGL	86 Approach	160
i	1.00	300 AGL	86 Approach	150
j	0.00	50 AGL	86 Approach	150

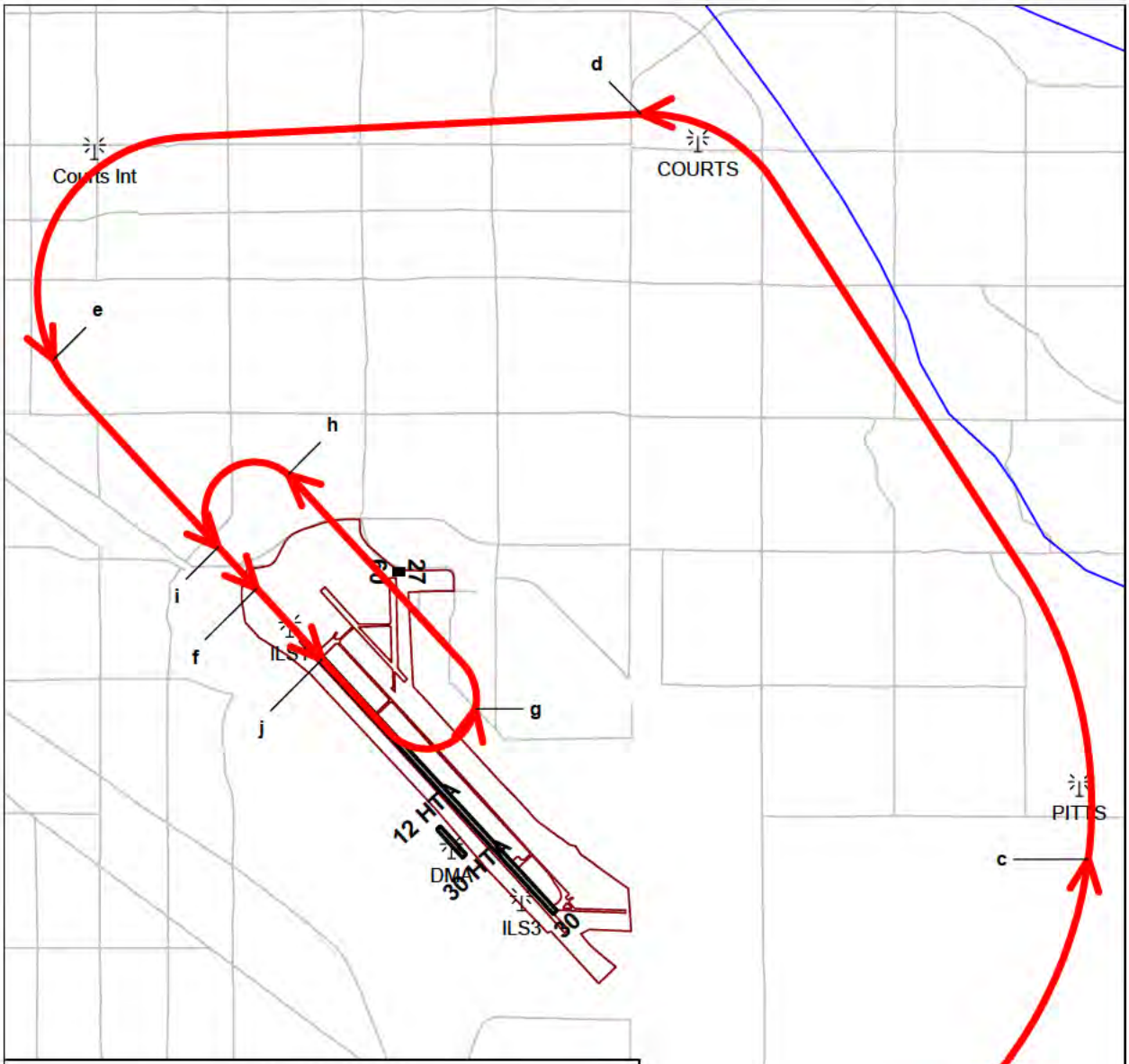
Flight Profile A10-12AH

Davez 1st Ship--Snowbird

0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:202,000 (1 inch = 16,900 feet)

N



Flight Profile A10-12AI

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	86 Normal Rated Thrust	250
b	30.00	9,000 MSL	86 Normal Rated Thrust	250
c	19.00	5,500 MSL	86 Normal Rated Thrust	250
d	13.00	4,600 MSL	86 Normal Rated Thrust	250
e	8.00	1,500 AGL	87 Traffic Pattern	250
f	6.00	1,500 AGL	93 Normal Rated Thrust	250
g	4.00	1,500 AGL	93 Normal Rated Thrust	250
h	2.00	1,500 AGL	86 Approach	160
i	1.00	300 AGL	86 Approach	150
j	0.00	50 AGL	86 Approach	150

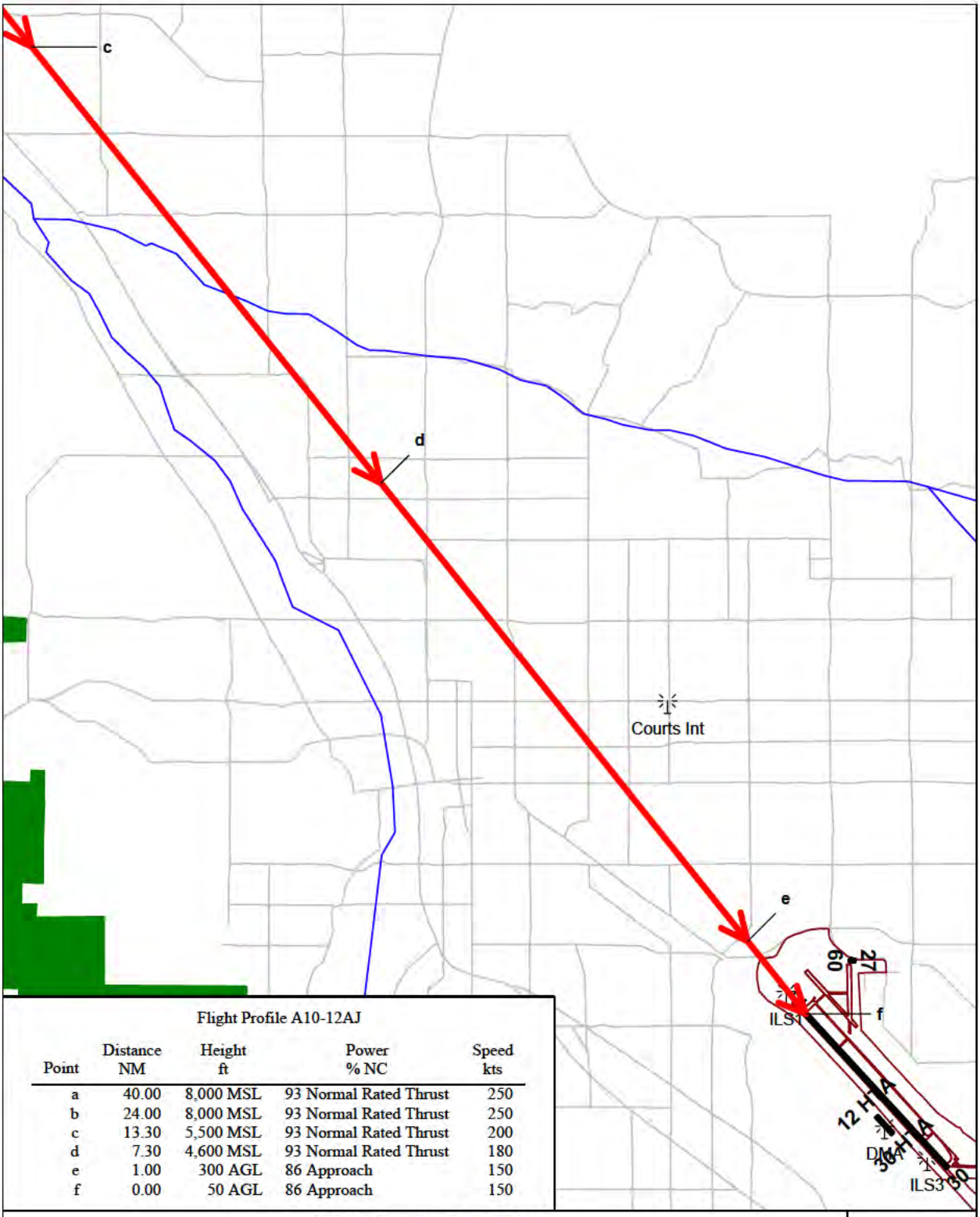
Flight Profile A10-12AI

Davez 2nd Ship--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:82,300 (1 inch = 6,860 feet)

N



Flight Profile A10-12AJ

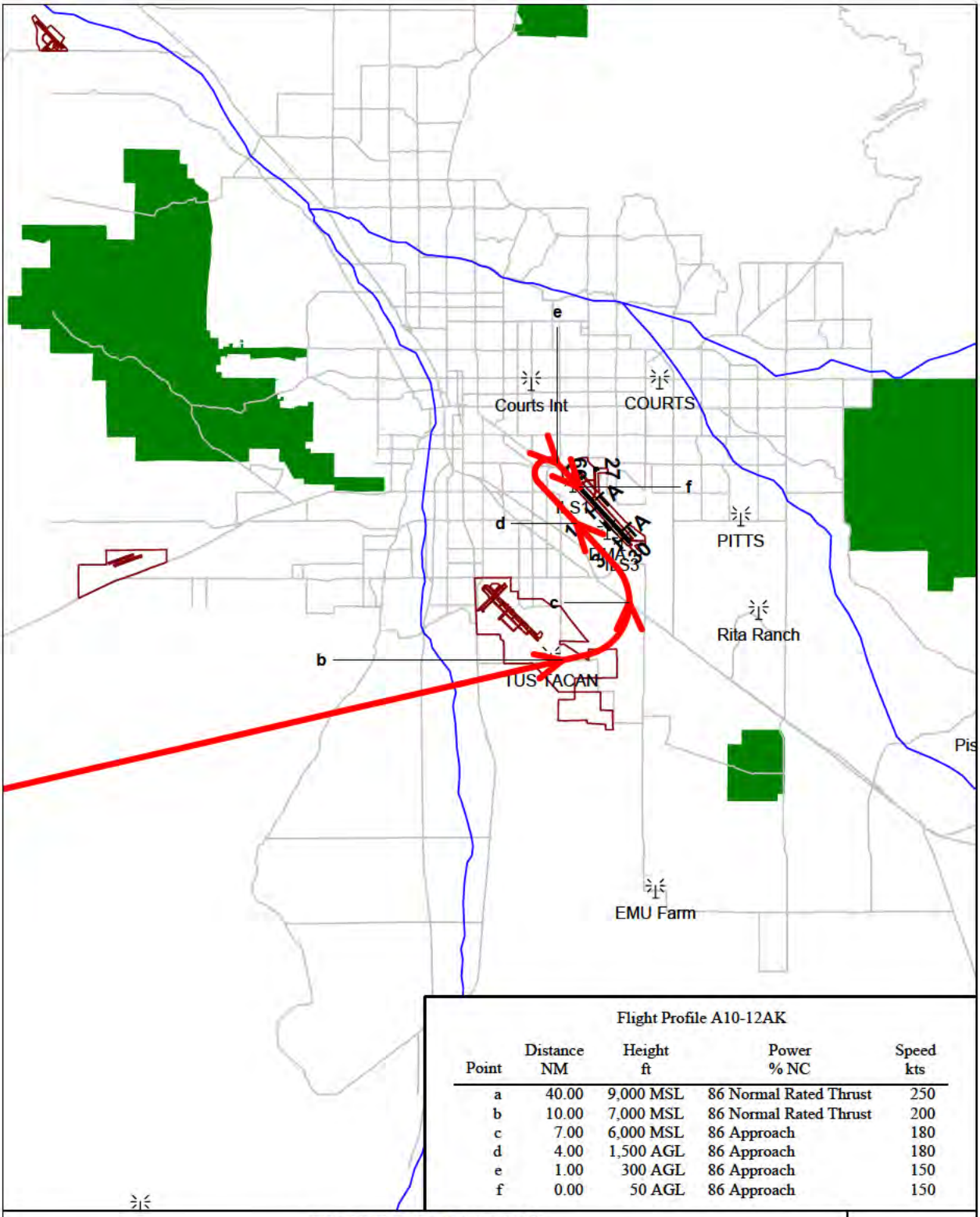
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	8,000 MSL	93 Normal Rated Thrust	250
b	24.00	8,000 MSL	93 Normal Rated Thrust	250
c	13.30	5,500 MSL	93 Normal Rated Thrust	200
d	7.30	4,600 MSL	93 Normal Rated Thrust	180
e	1.00	300 AGL	86 Approach	150
f	0.00	50 AGL	86 Approach	150

Flight Profile A10-12AJ
TACAN--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:118,000 (1 inch = 9,800 feet)

N



Flight Profile A10-12AK

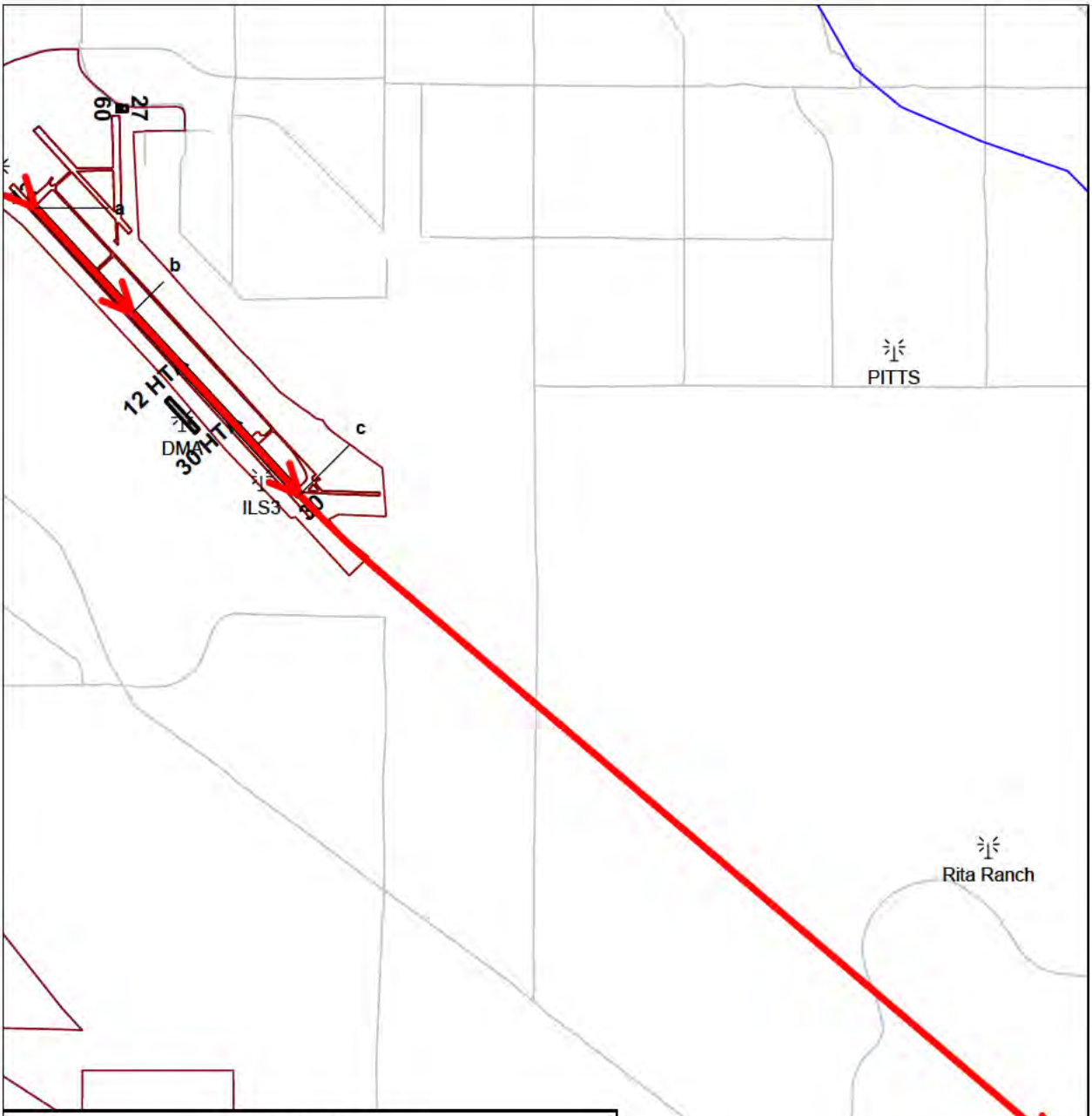
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	86 Normal Rated Thrust	250
b	10.00	7,000 MSL	86 Normal Rated Thrust	200
c	7.00	6,000 MSL	86 Approach	180
d	4.00	1,500 AGL	86 Approach	180
e	1.00	300 AGL	86 Approach	150
f	0.00	50 AGL	86 Approach	150

Flight Profile A10-12AK
HUNG ORDINANCE--Snowbird

0 20,000 40,000 60,000 80,000 100,000

Scale in Feet 1:336,000 (1 inch = 28,000 feet)

N



Flight Profile A10-12DG

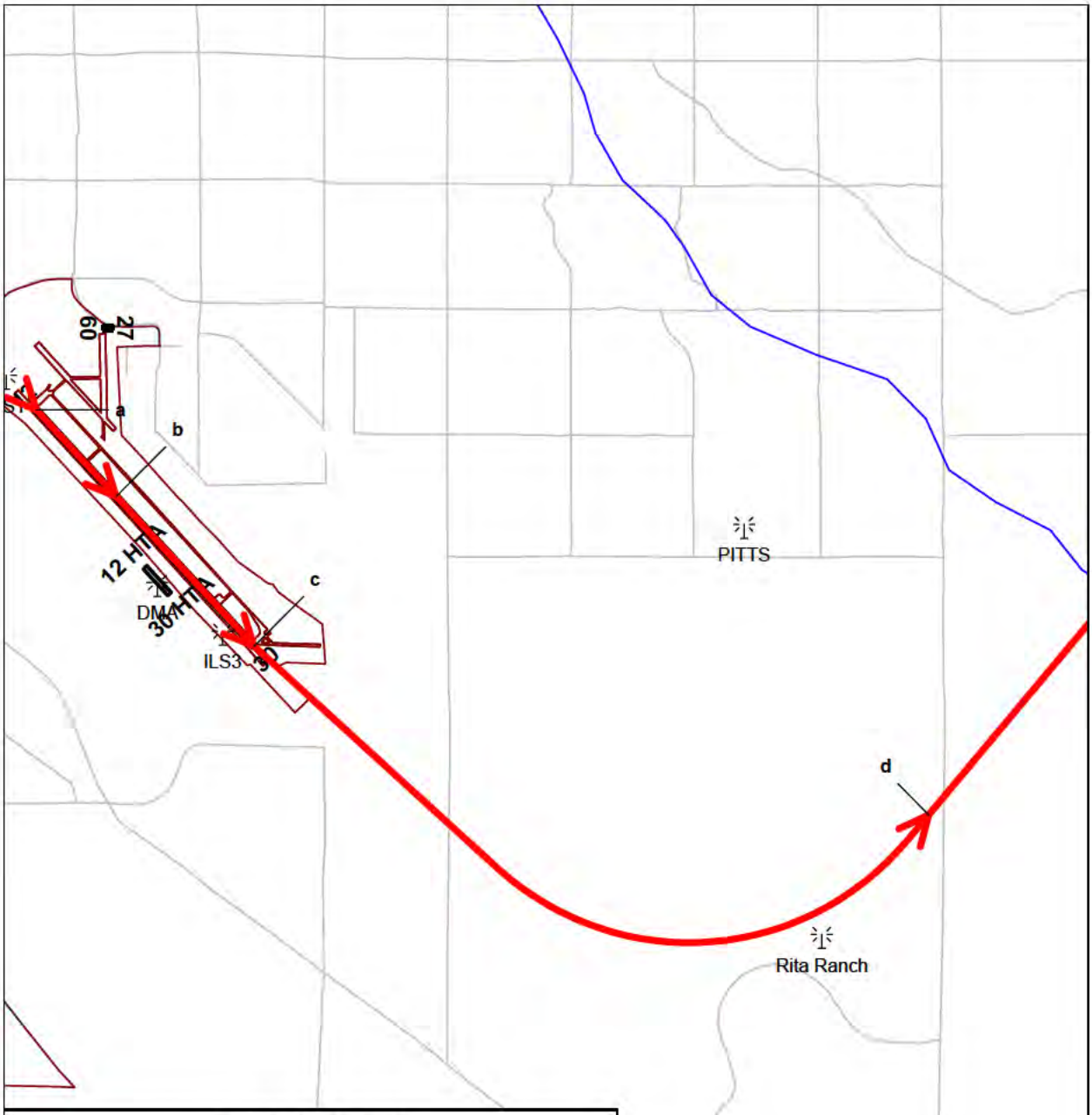
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-12DG
TOMBSTONE--Snowbird

0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:70,300 (1 inch = 5,860 feet)

N



Flight Profile A10-12DH

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-12DH
Reddy--Snowbird

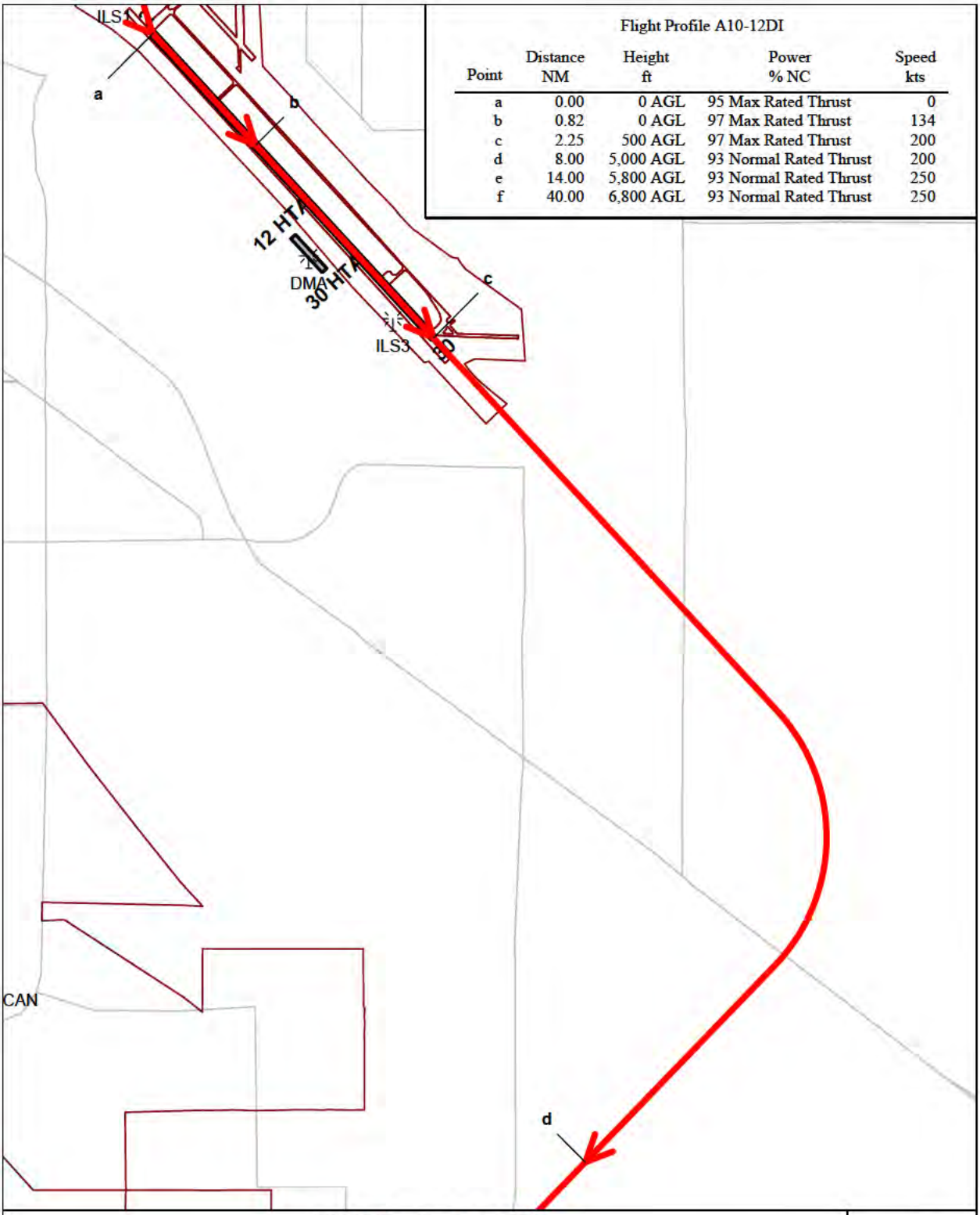
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:85,200 (1 inch = 7,100 feet)

N

Flight Profile A10-12DI

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250



Flight Profile A10-12DI
Tubac---Snowbird

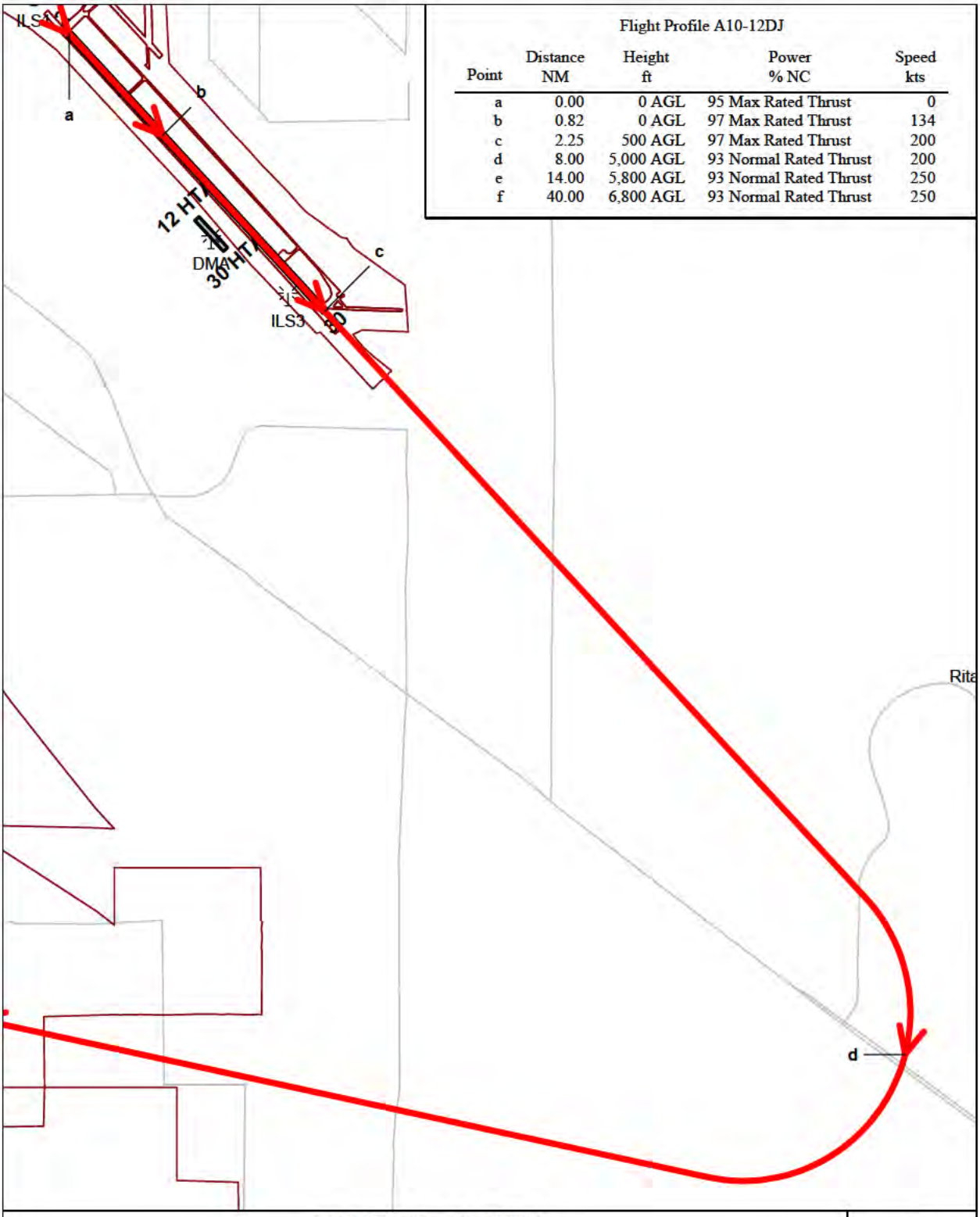
0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000 20,000

Scale in Feet 1:59,400 (1 inch = 4,950 feet)

N

Flight Profile A10-12DJ

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

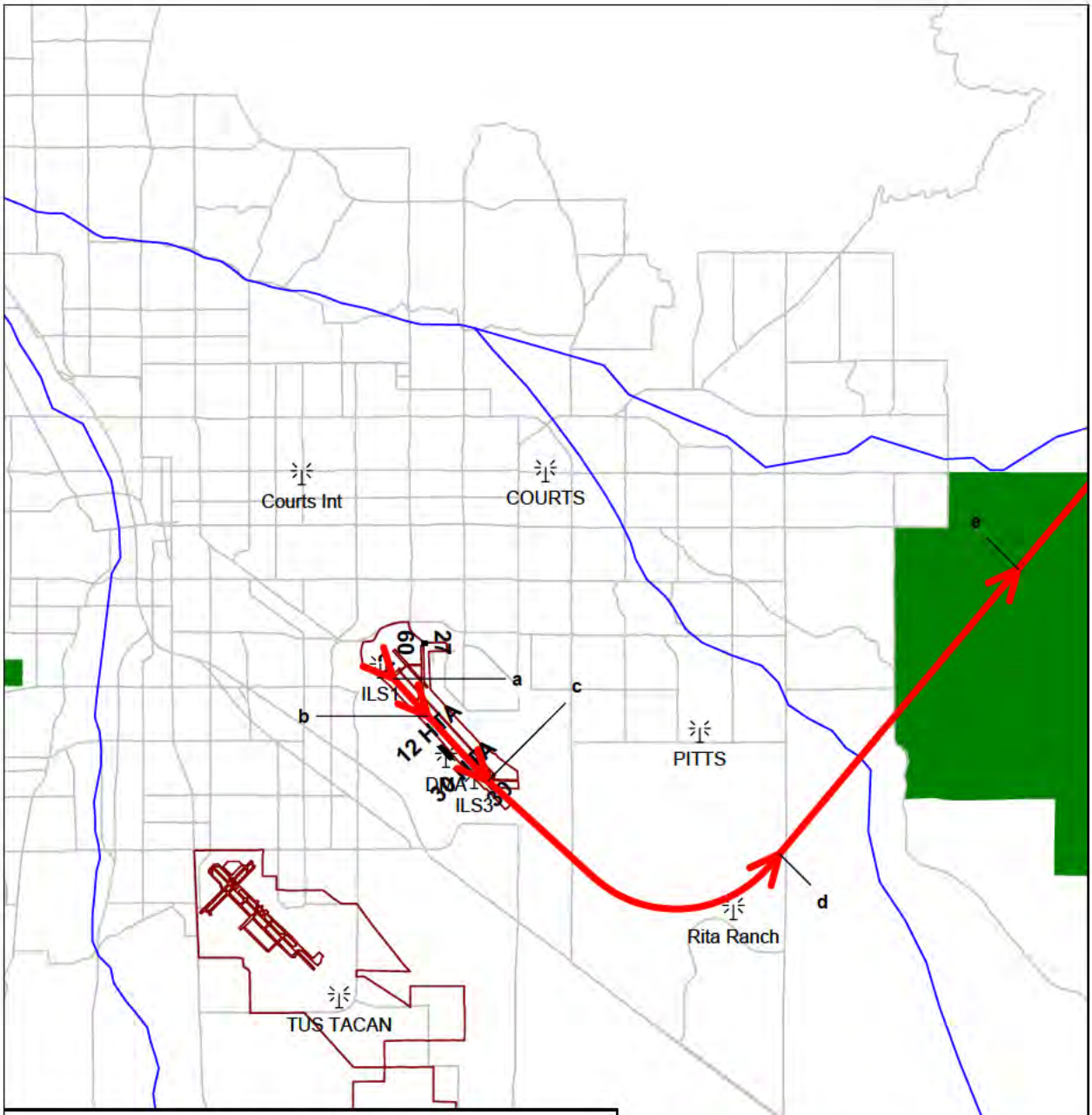


Flight Profile A10-12DJ
Kitt---Snowbird

0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:65,200 (1 inch = 5,440 feet)

N



Flight Profile A10-12DK

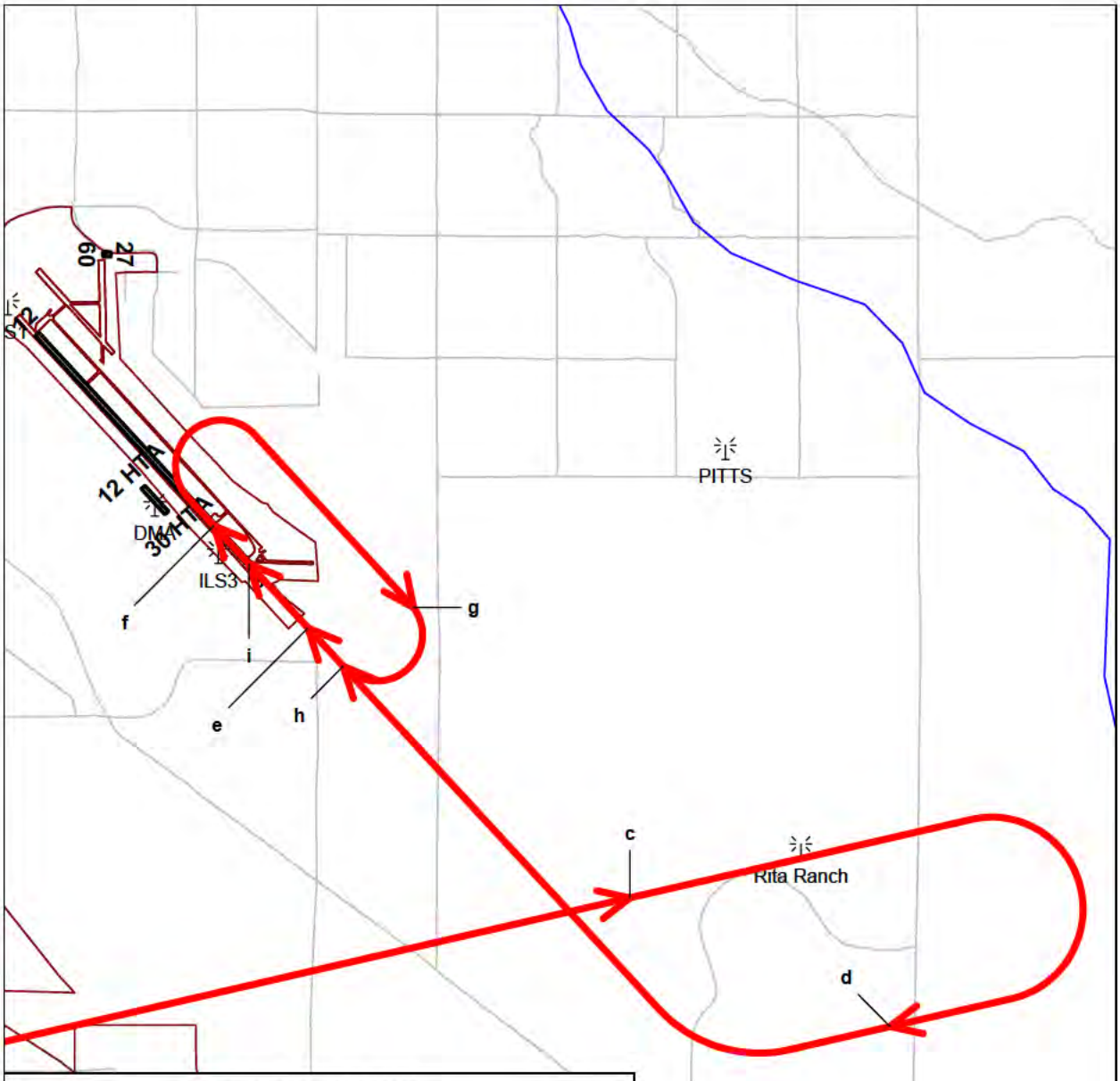
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-12DK
Jackal---Snowbird

0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:197,000 (1 inch = 16,400 feet)

N



Flight Profile A10-30AH

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	87 Traffic Pattern	250
b	30.00	9,000 MSL	87 Traffic Pattern	250
c	17.00	1,500 AGL	93 Normal Rated Thrust	200
d	11.50	1,500 AGL	87 Traffic Pattern	200
e	6.00	1,500 AGL	93 Normal Rated Thrust	250
f	5.00	1,500 AGL	93 Normal Rated Thrust	250
g	2.00	1,500 AGL	86 Approach	160
h	1.00	300 AGL	86 Approach	150
i	0.00	15 AGL	86 Approach	150

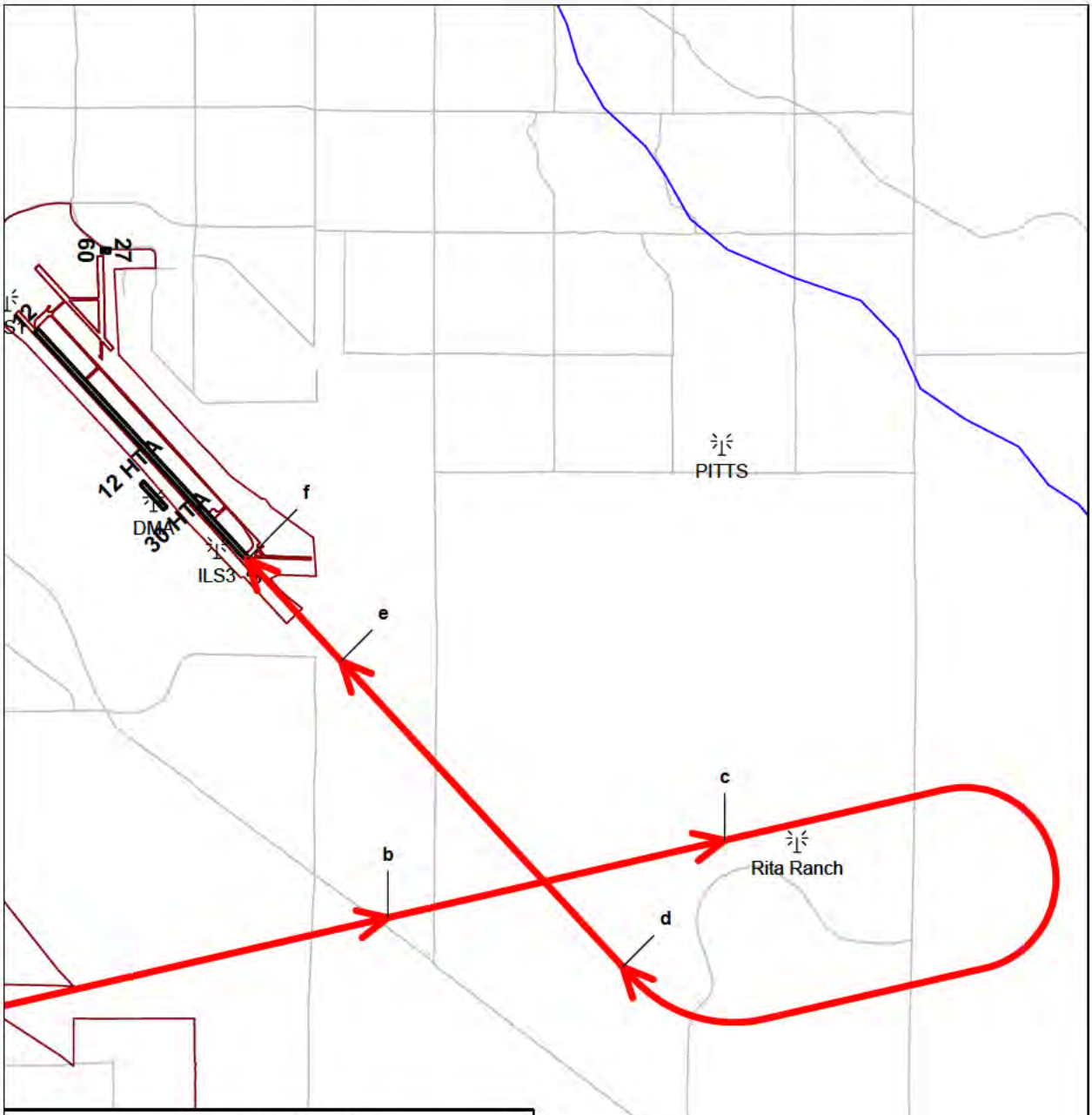
Flight Profile A10-30AH

Davez 1st Ship--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:89,900 (1 inch = 7,490 feet)

N



Flight Profile A10-30AI

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	86 Approach	250
b	13.00	1,500 AGL	86 Approach	250
c	10.50	1,500 AGL	86 Approach	250
d	4.00	1,500 AGL	86 Approach	250
e	1.00	300 AGL	86 Approach	150
f	0.00	50 AGL	86 Approach	150

Flight Profile A10-30AI
HUNG ORDINANCE--Snowbird

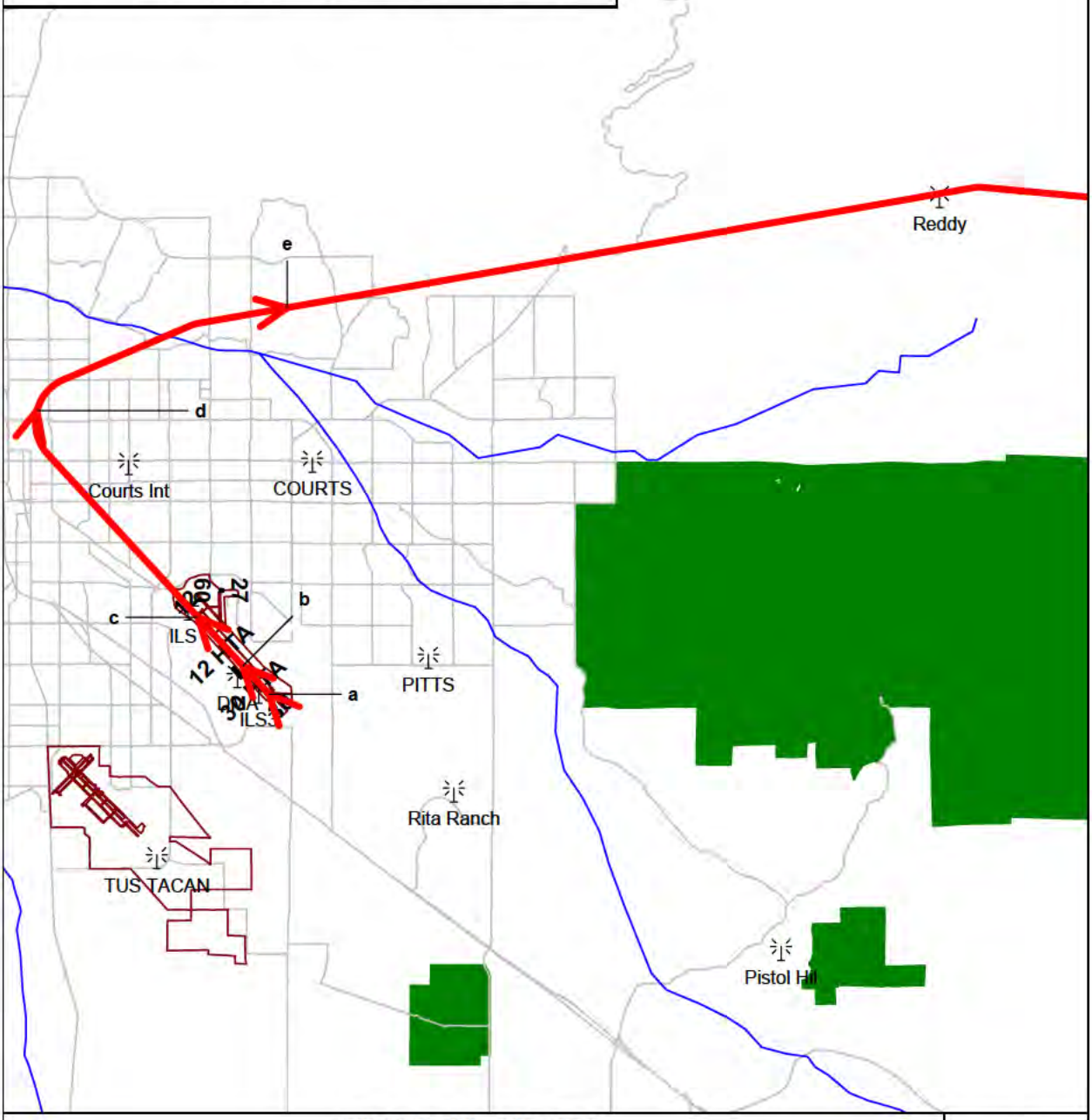
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:88,000 (1 inch = 7,330 feet)

N

Flight Profile A10-30DG

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

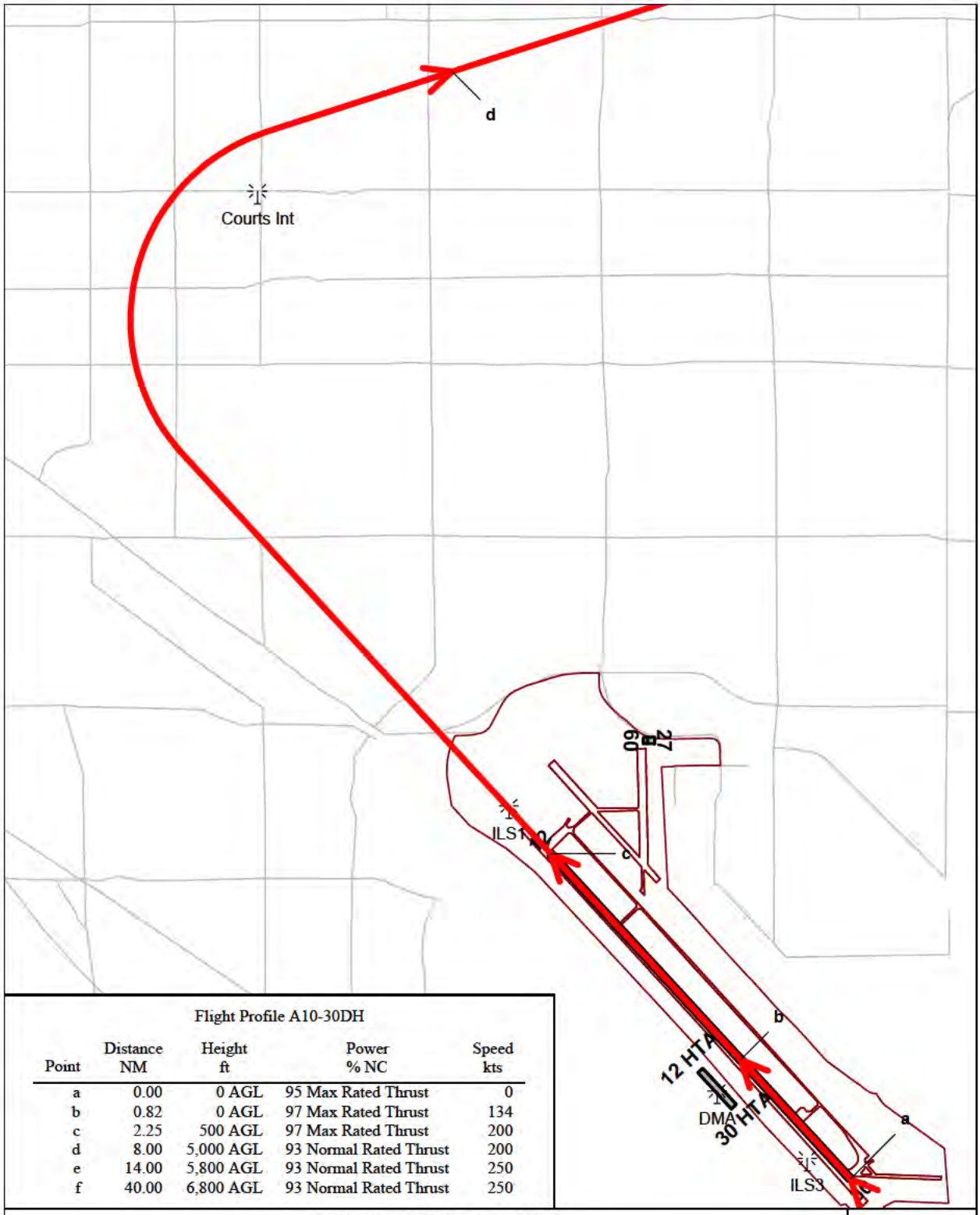


Flight Profile A10-30DG
TOMBSTONE--Snowbird

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:262,000 (1 inch = 21,800 feet)

N



Flight Profile A10-30DH

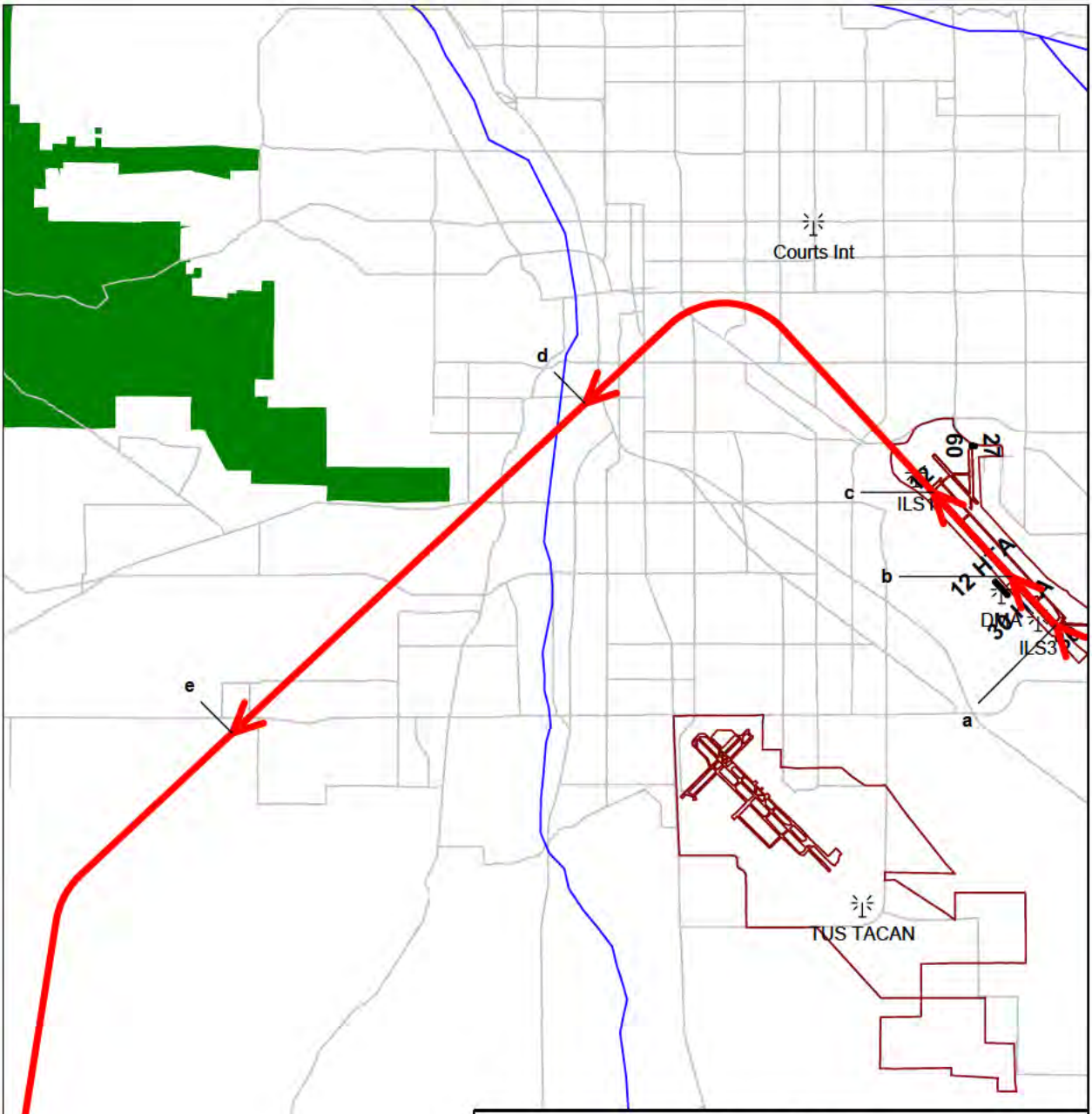
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-30DH
Reddy--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:55,500 (1 inch = 4,620 feet)

N



Flight Profile A10-30DI

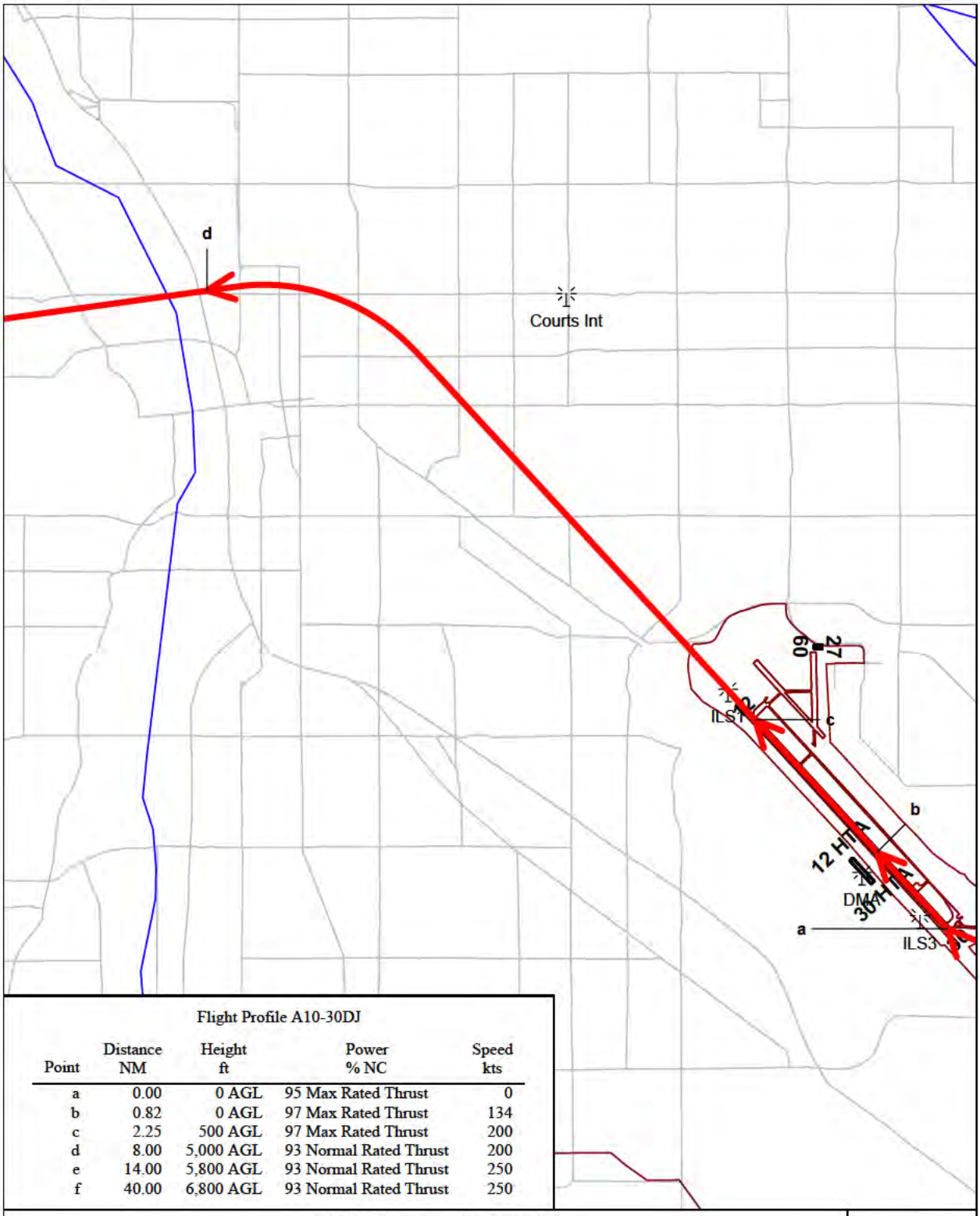
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-30DI
Tubac--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:151,000 (1 inch = 12,600 feet)

N



Flight Profile A10-30DJ

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-30DJ
Kitt--Snowbird

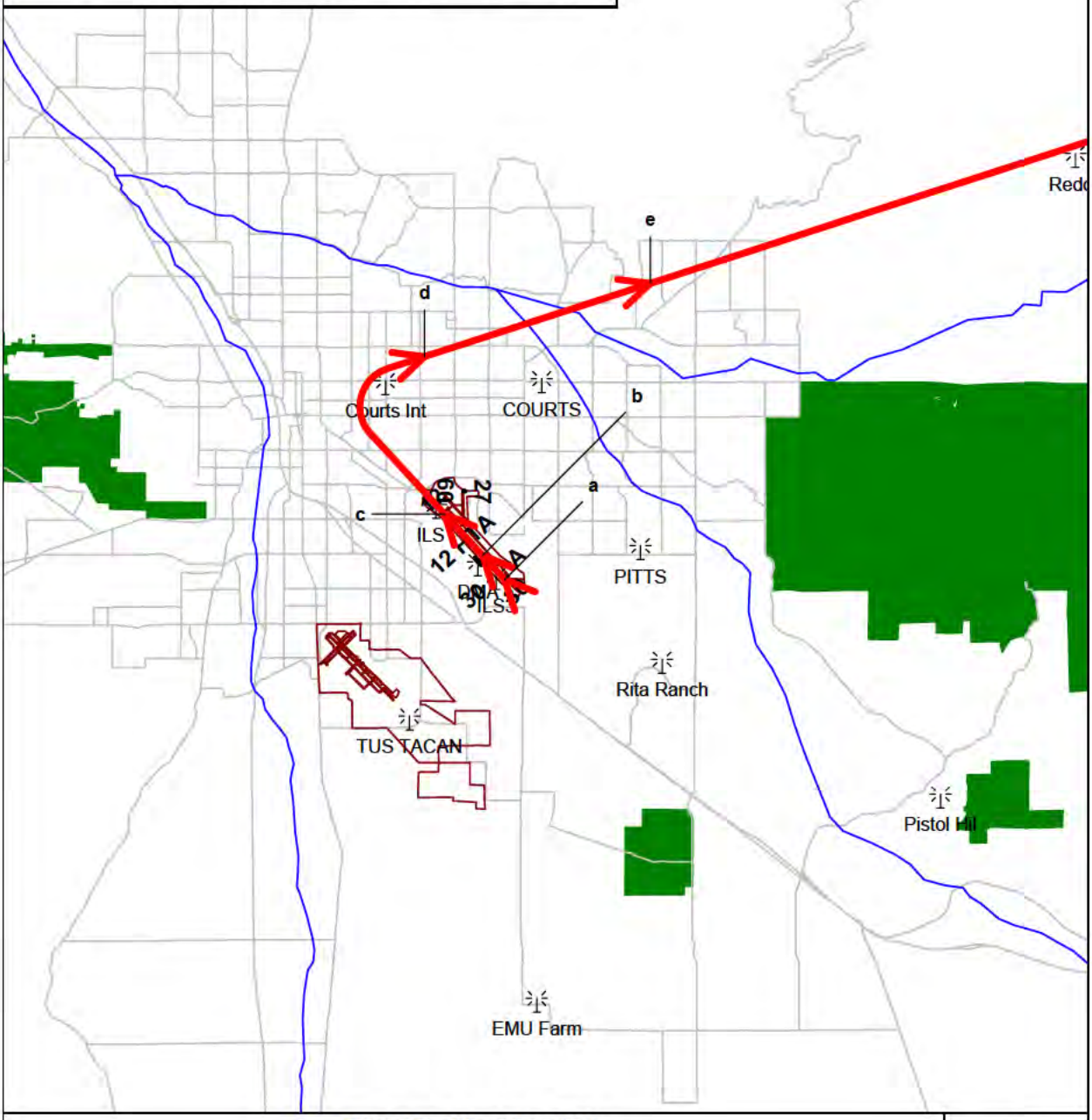
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:86,400 (1 inch = 7,200 feet)

N

Flight Profile A10-30DK

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

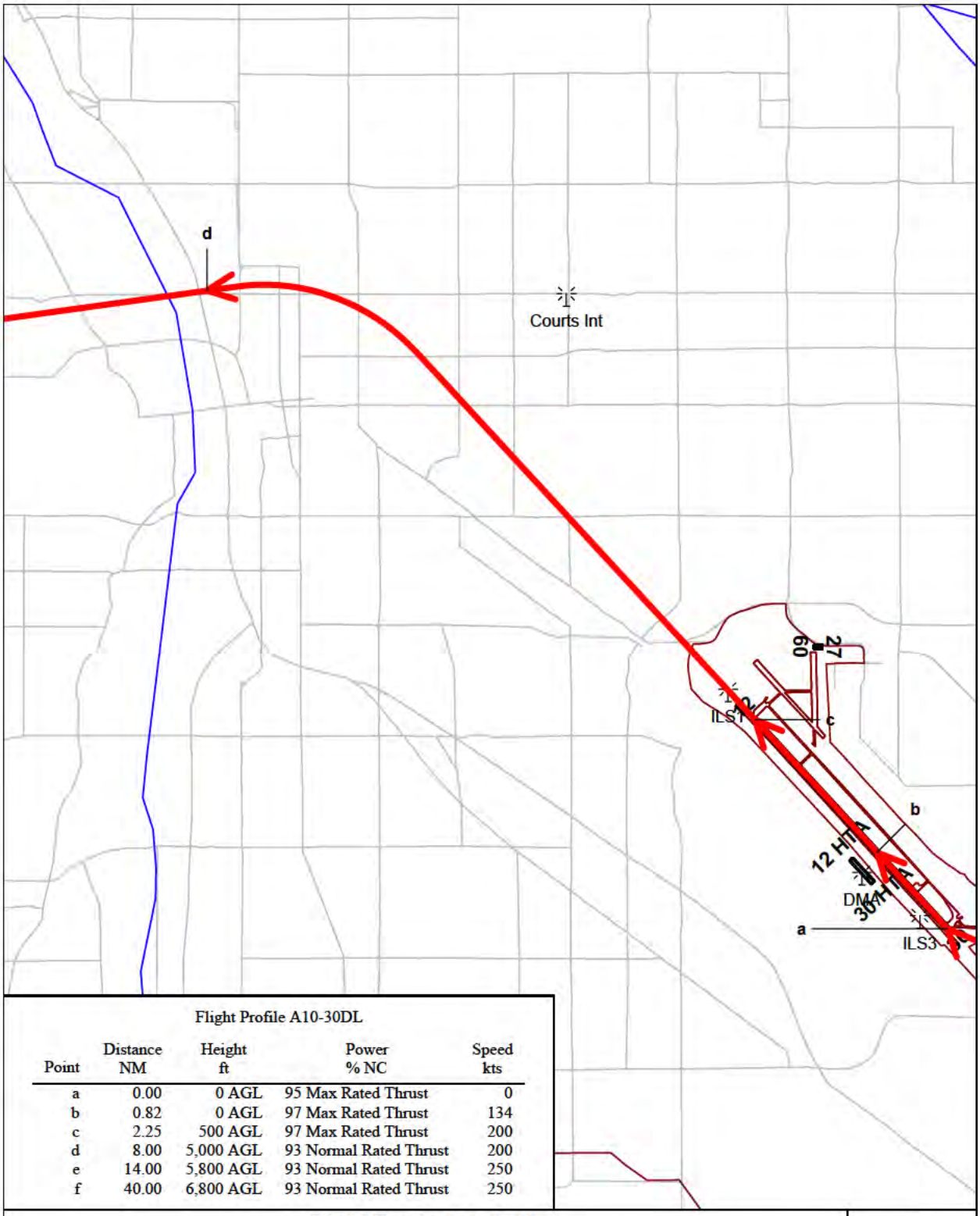


Flight Profile A10-30DK
Jackal--Snowbird

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000

Scale in Feet 1:308,000 (1 inch = 25,600 feet)

N



Flight Profile A10-30DL

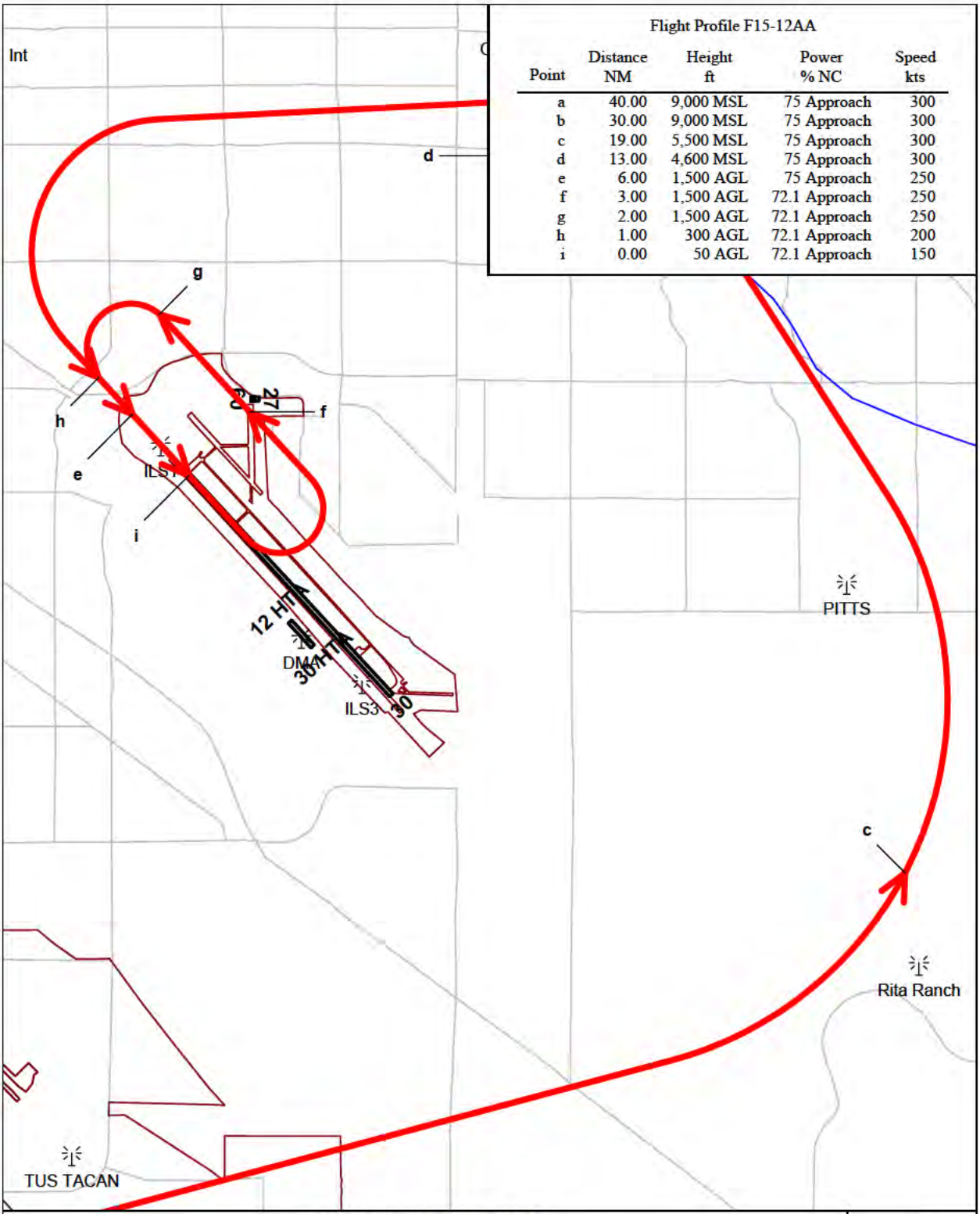
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	95 Max Rated Thrust	0
b	0.82	0 AGL	97 Max Rated Thrust	134
c	2.25	500 AGL	97 Max Rated Thrust	200
d	8.00	5,000 AGL	93 Normal Rated Thrust	200
e	14.00	5,800 AGL	93 Normal Rated Thrust	250
f	40.00	6,800 AGL	93 Normal Rated Thrust	250

Flight Profile A10-30DL
Sells--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:86,400 (1 inch = 7,200 feet)

N



Flight Profile F15-12AA

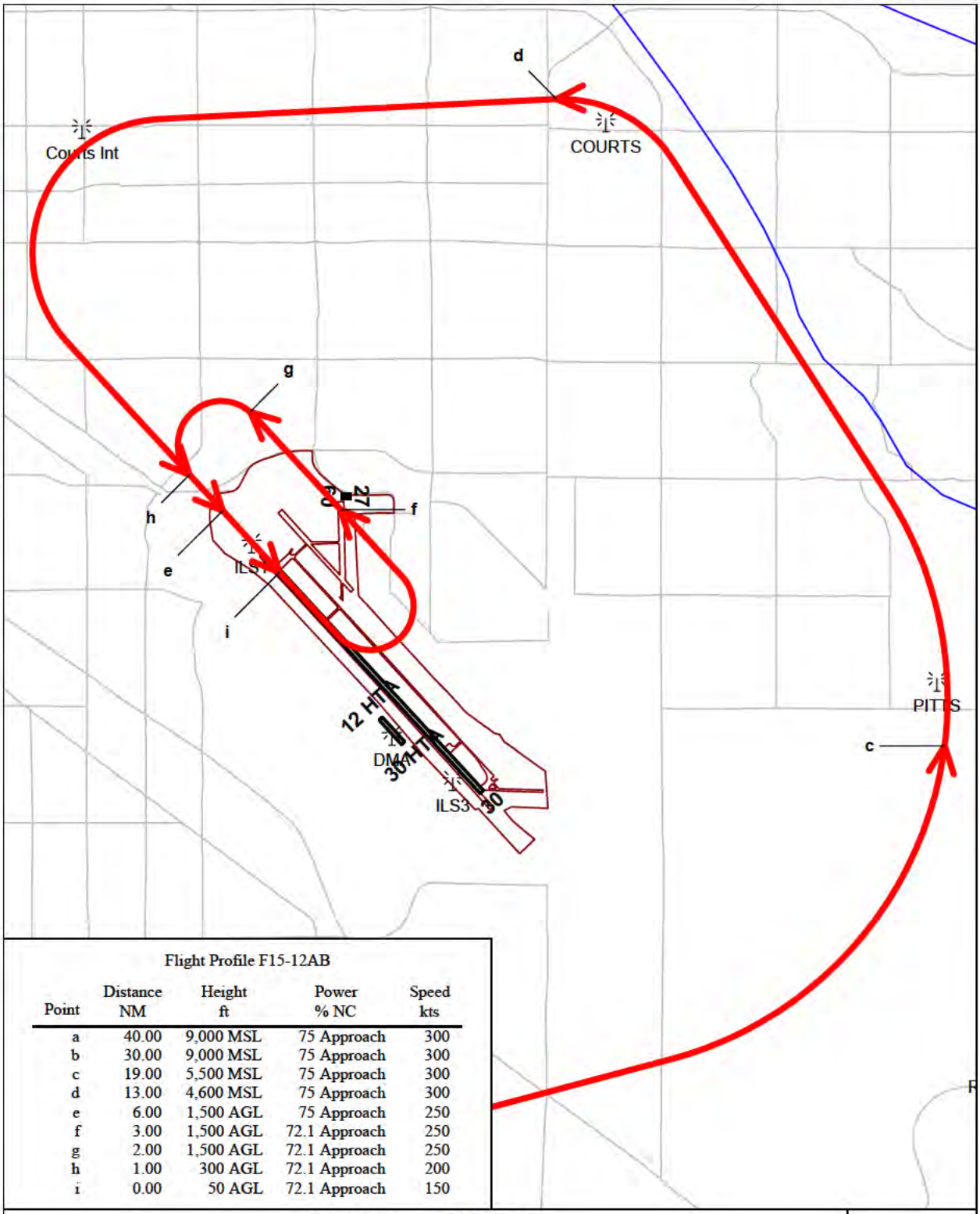
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	75 Approach	300
b	30.00	9,000 MSL	75 Approach	300
c	19.00	5,500 MSL	75 Approach	300
d	13.00	4,600 MSL	75 Approach	300
e	6.00	1,500 AGL	75 Approach	250
f	3.00	1,500 AGL	72.1 Approach	250
g	2.00	1,500 AGL	72.1 Approach	250
h	1.00	300 AGL	72.1 Approach	200
i	0.00	50 AGL	72.1 Approach	150

Flight Profile F15-12AA
Davez 1st Ship--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:82,300 (1 inch = 6,860 feet)

N



Flight Profile F15-12AB

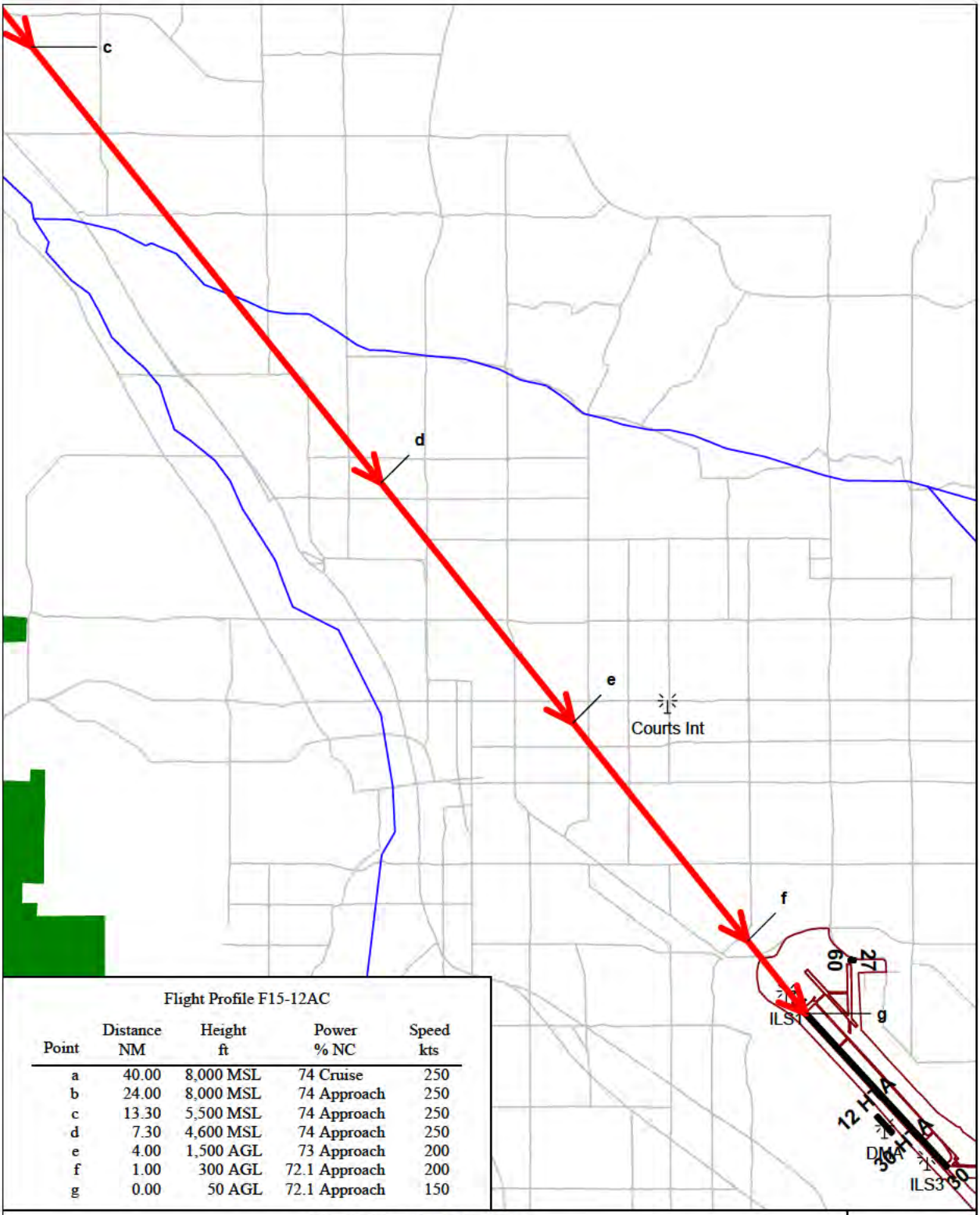
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	75 Approach	300
b	30.00	9,000 MSL	75 Approach	300
c	19.00	5,500 MSL	75 Approach	300
d	13.00	4,600 MSL	75 Approach	300
e	6.00	1,500 AGL	75 Approach	250
f	3.00	1,500 AGL	72.1 Approach	250
g	2.00	1,500 AGL	72.1 Approach	250
h	1.00	300 AGL	72.1 Approach	200
i	0.00	50 AGL	72.1 Approach	150

Flight Profile F15-12AB
Davez 2nd Ship--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:82,300 (1 inch = 6,860 feet)

N



Flight Profile F15-12AC

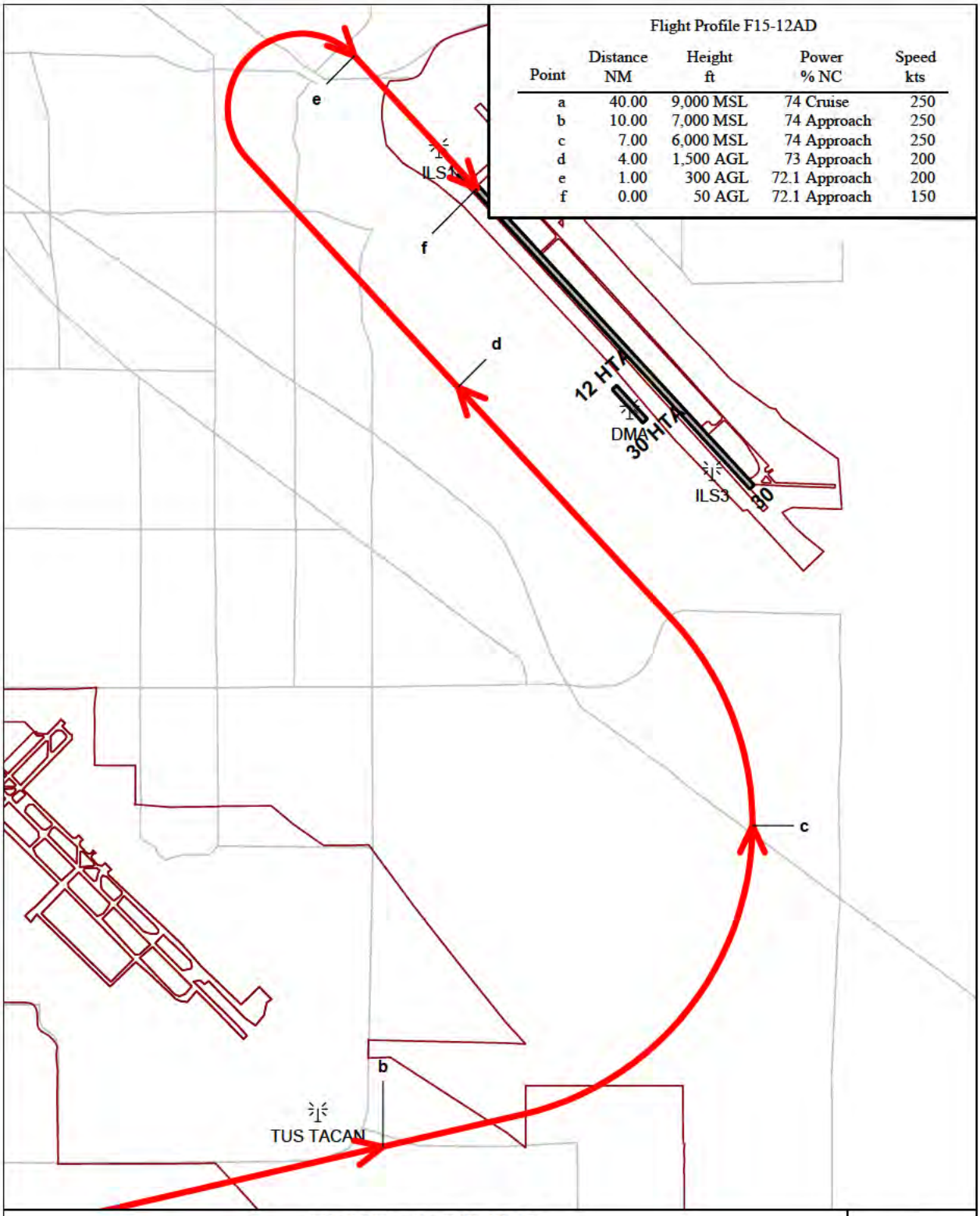
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	8,000 MSL	74 Cruise	250
b	24.00	8,000 MSL	74 Approach	250
c	13.30	5,500 MSL	74 Approach	250
d	7.30	4,600 MSL	74 Approach	250
e	4.00	1,500 AGL	73 Approach	200
f	1.00	300 AGL	72.1 Approach	200
g	0.00	50 AGL	72.1 Approach	150

Flight Profile F15-12AC
Straight in--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:118,000 (1 inch = 9,800 feet)

N



Flight Profile F15-12AD

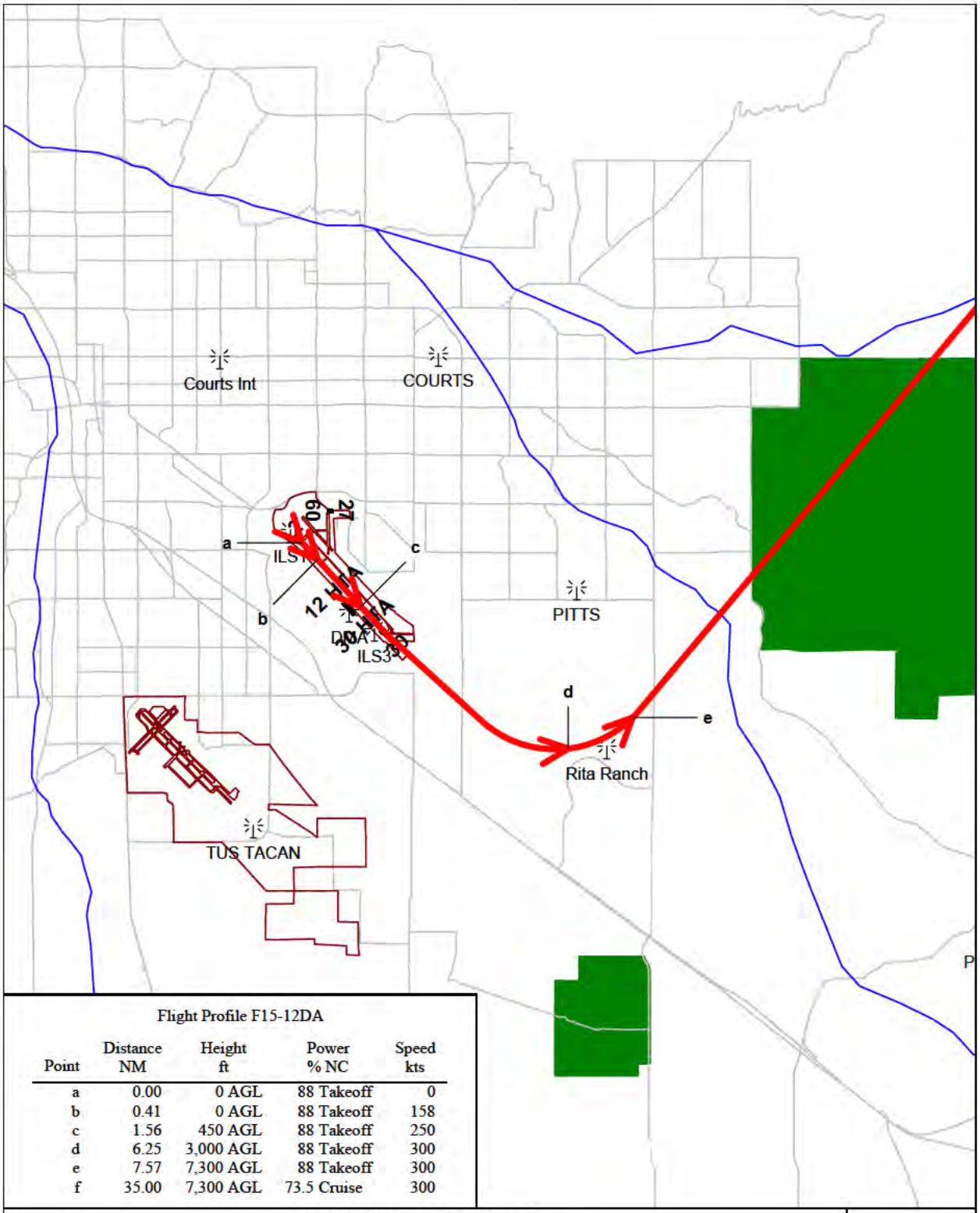
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	74 Cruise	250
b	10.00	7,000 MSL	74 Approach	250
c	7.00	6,000 MSL	74 Approach	250
d	4.00	1,500 AGL	73 Approach	200
e	1.00	300 AGL	72.1 Approach	200
f	0.00	50 AGL	72.1 Approach	150

Flight Profile F15-12AD
Hung--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000 20,000

Scale in Feet 1:60,600 (1 inch = 5,050 feet)

N



Flight Profile F15-12DA

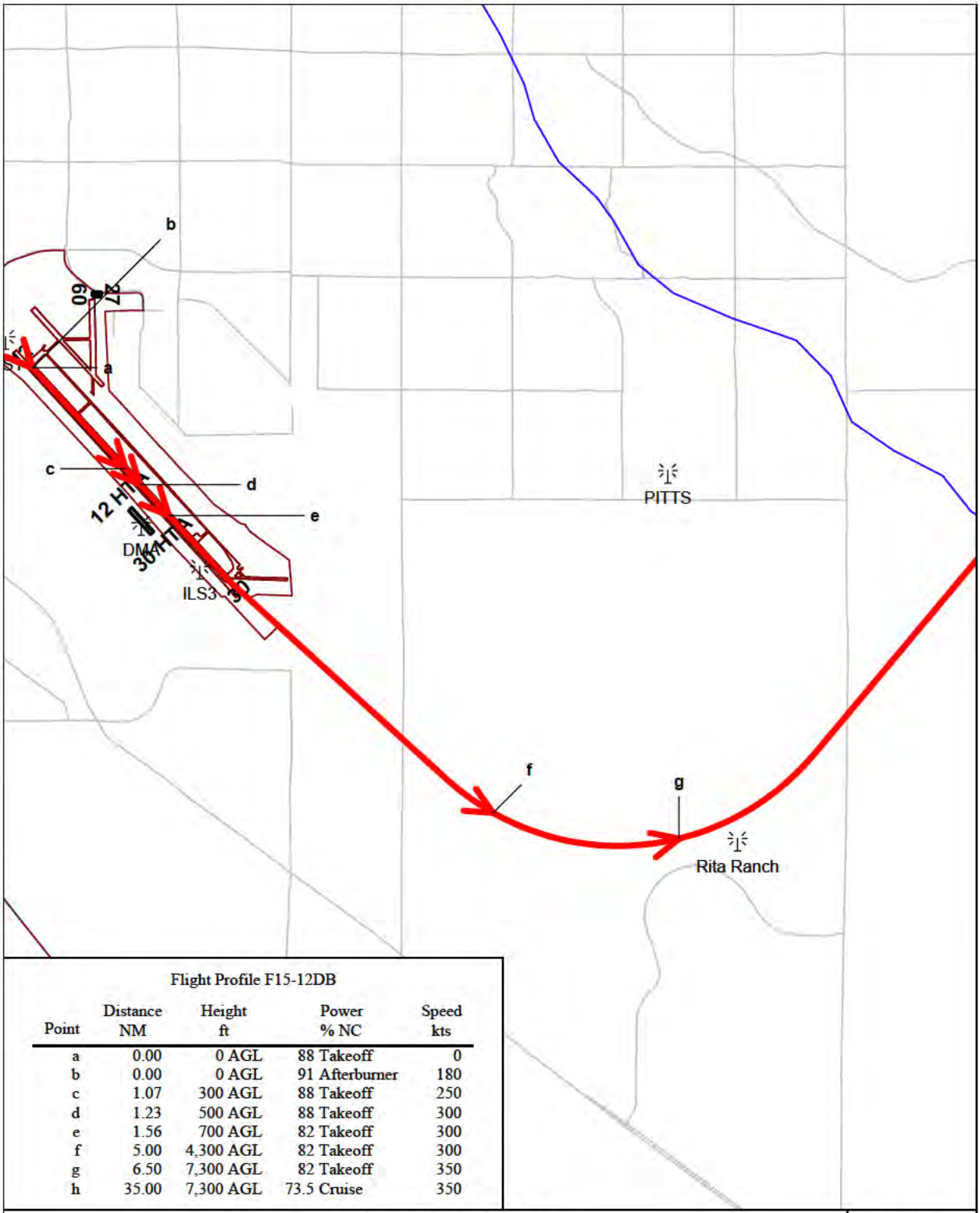
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.41	0 AGL	88 Takeoff	158
c	1.56	450 AGL	88 Takeoff	250
d	6.25	3,000 AGL	88 Takeoff	300
e	7.57	7,300 AGL	88 Takeoff	300
f	35.00	7,300 AGL	73.5 Cruise	300

Flight Profile F15-12DA
Reddy--Snowbird

0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:197,000 (1 inch = 16,400 feet)

N



Flight Profile F15-12DB

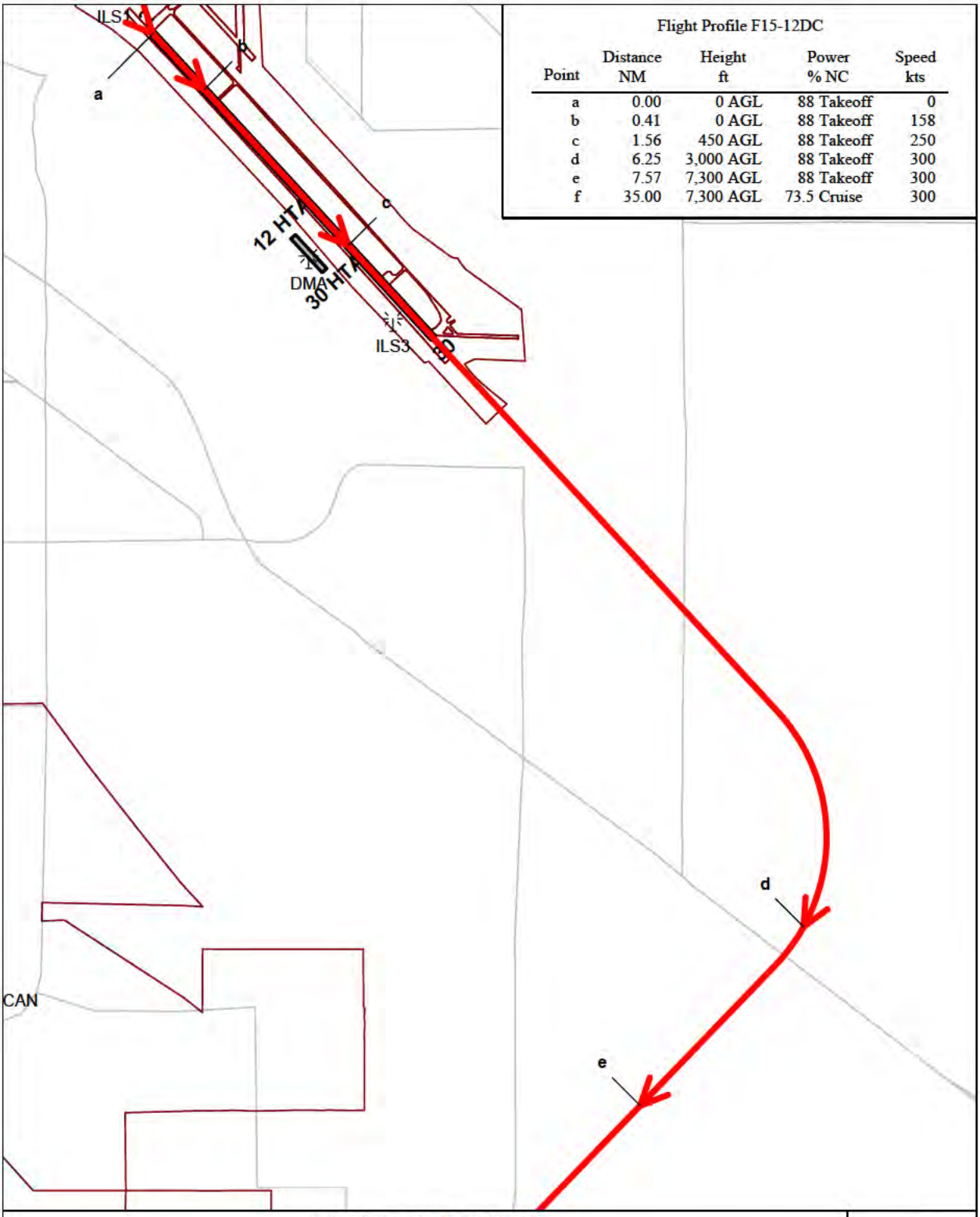
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.00	0 AGL	91 Afterburner	180
c	1.07	300 AGL	88 Takeoff	250
d	1.23	500 AGL	88 Takeoff	300
e	1.56	700 AGL	82 Takeoff	300
f	5.00	4,300 AGL	82 Takeoff	300
g	6.50	7,300 AGL	82 Takeoff	350
h	35.00	7,300 AGL	73.5 Cruise	350

Flight Profile F15-12DB
Reddy AB--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:85,200 (1 inch = 7,100 feet)

N



Flight Profile F15-12DC

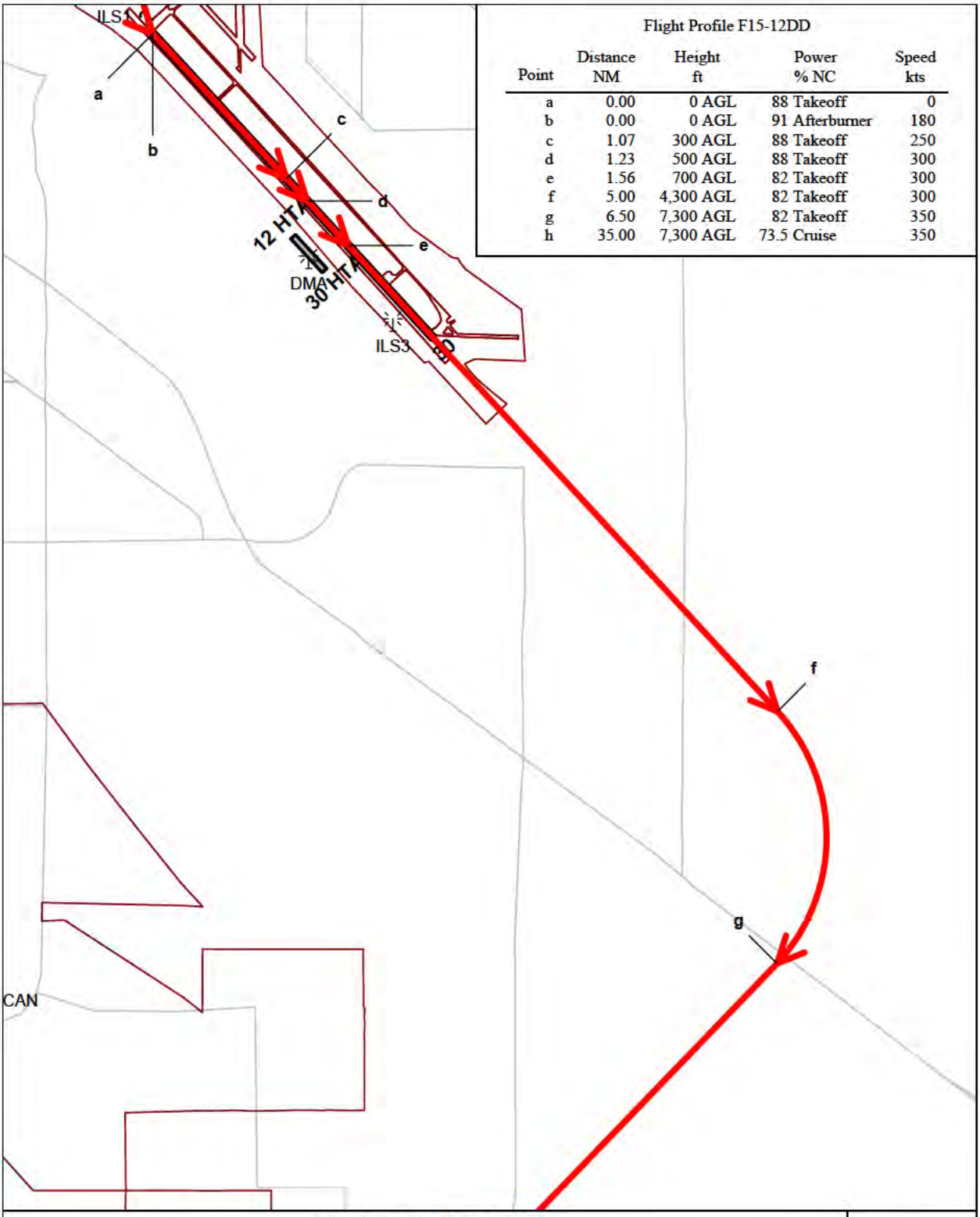
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.41	0 AGL	88 Takeoff	158
c	1.56	450 AGL	88 Takeoff	250
d	6.25	3,000 AGL	88 Takeoff	300
e	7.57	7,300 AGL	88 Takeoff	300
f	35.00	7,300 AGL	73.5 Cruise	300

Flight Profile F15-12DC
Tubac--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000 20,000

Scale in Feet 1:59,400 (1 inch = 4,950 feet)

N



Flight Profile F15-12DD

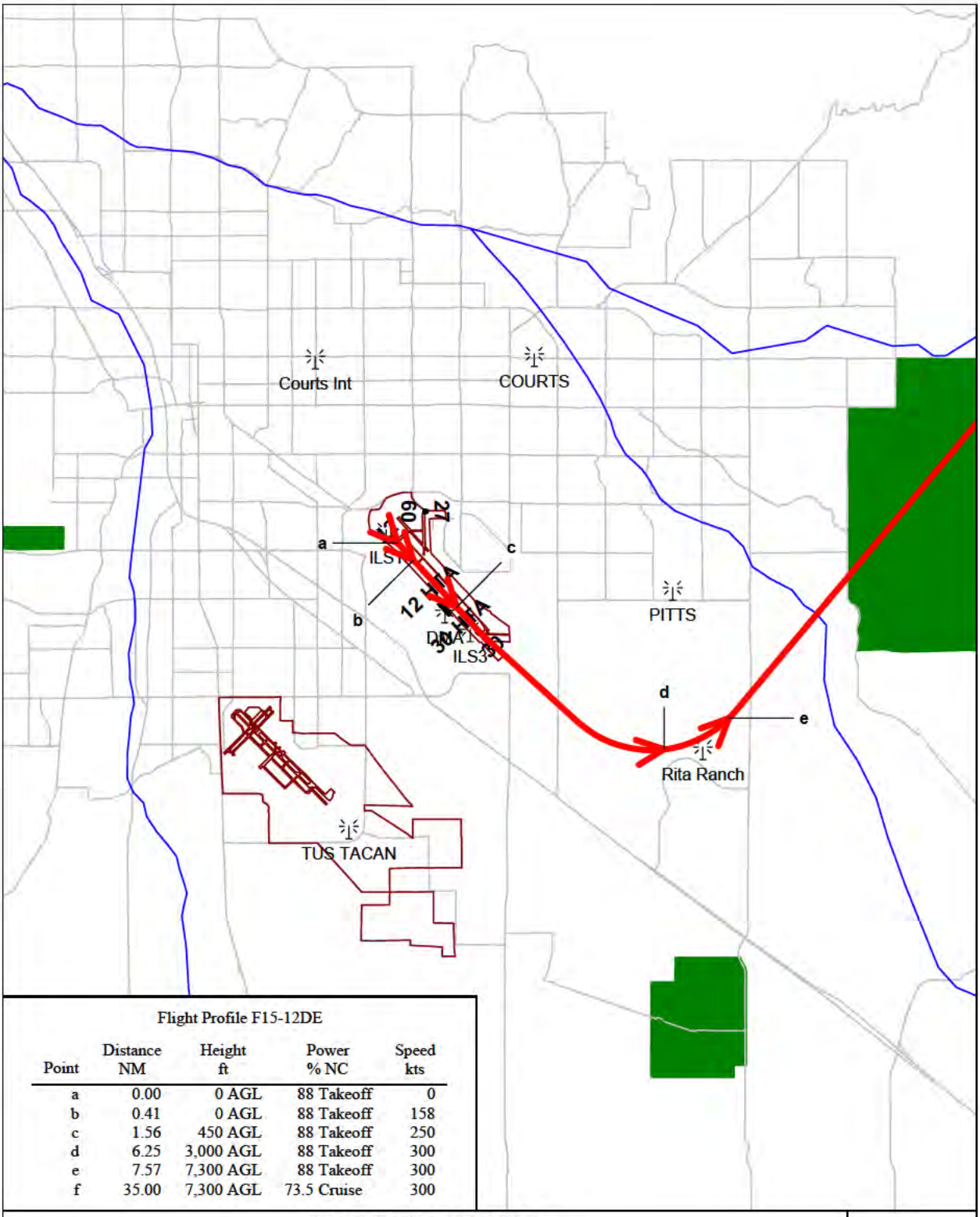
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.00	0 AGL	91 Afterburner	180
c	1.07	300 AGL	88 Takeoff	250
d	1.23	500 AGL	88 Takeoff	300
e	1.56	700 AGL	82 Takeoff	300
f	5.00	4,300 AGL	82 Takeoff	300
g	6.50	7,300 AGL	82 Takeoff	350
h	35.00	7,300 AGL	73.5 Cruise	350

Flight Profile F15-12DD
Tubac AB--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000 20,000

Scale in Feet 1:59,400 (1 inch = 4,950 feet)

N



Flight Profile F15-12DE

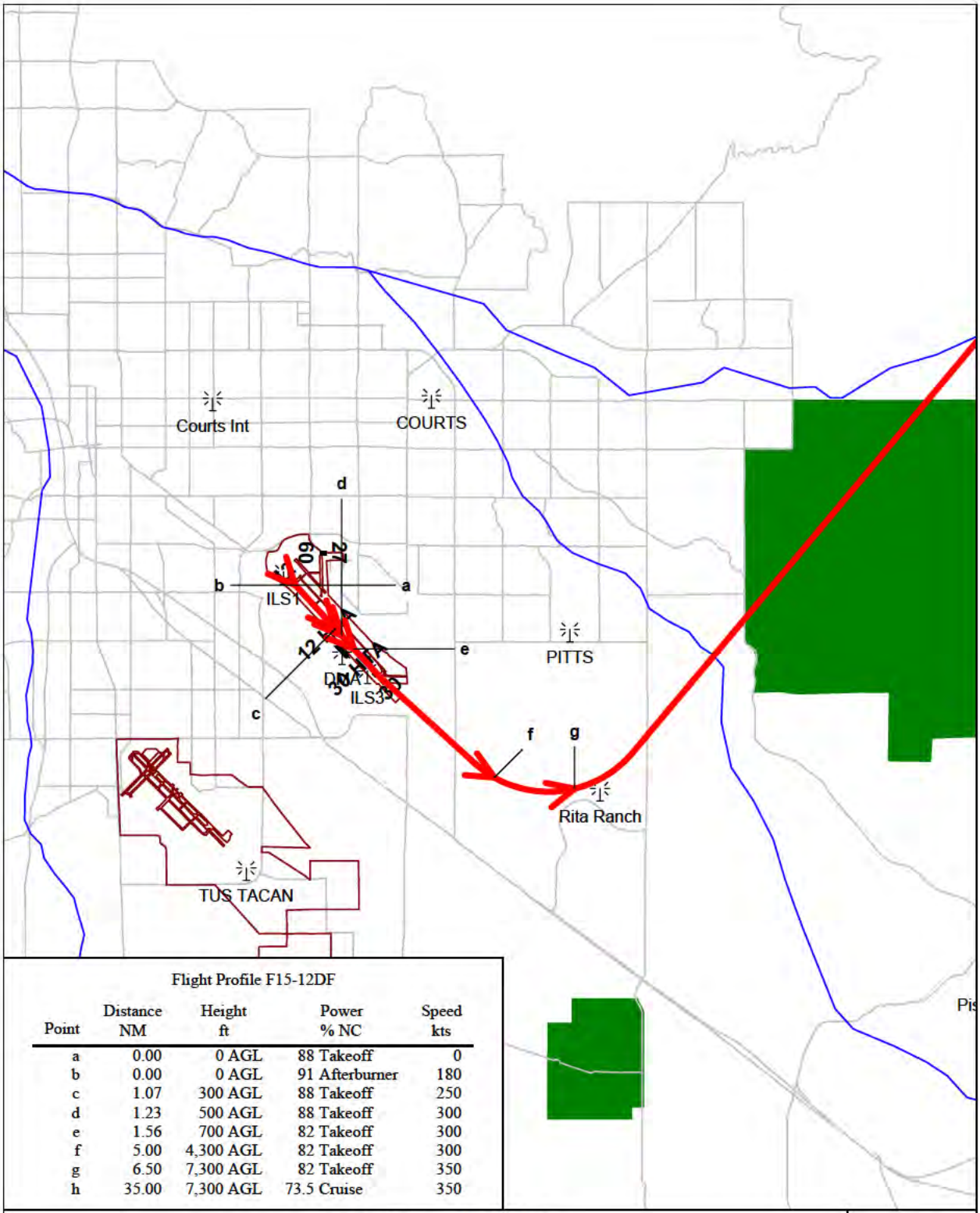
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.41	0 AGL	88 Takeoff	158
c	1.56	450 AGL	88 Takeoff	250
d	6.25	3,000 AGL	88 Takeoff	300
e	7.57	7,300 AGL	88 Takeoff	300
f	35.00	7,300 AGL	73.5 Cruise	300

Flight Profile F15-12DE
Jackal--Snowbird

0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:197,000 (1 inch = 16,400 feet)

N



Flight Profile F15-12DF

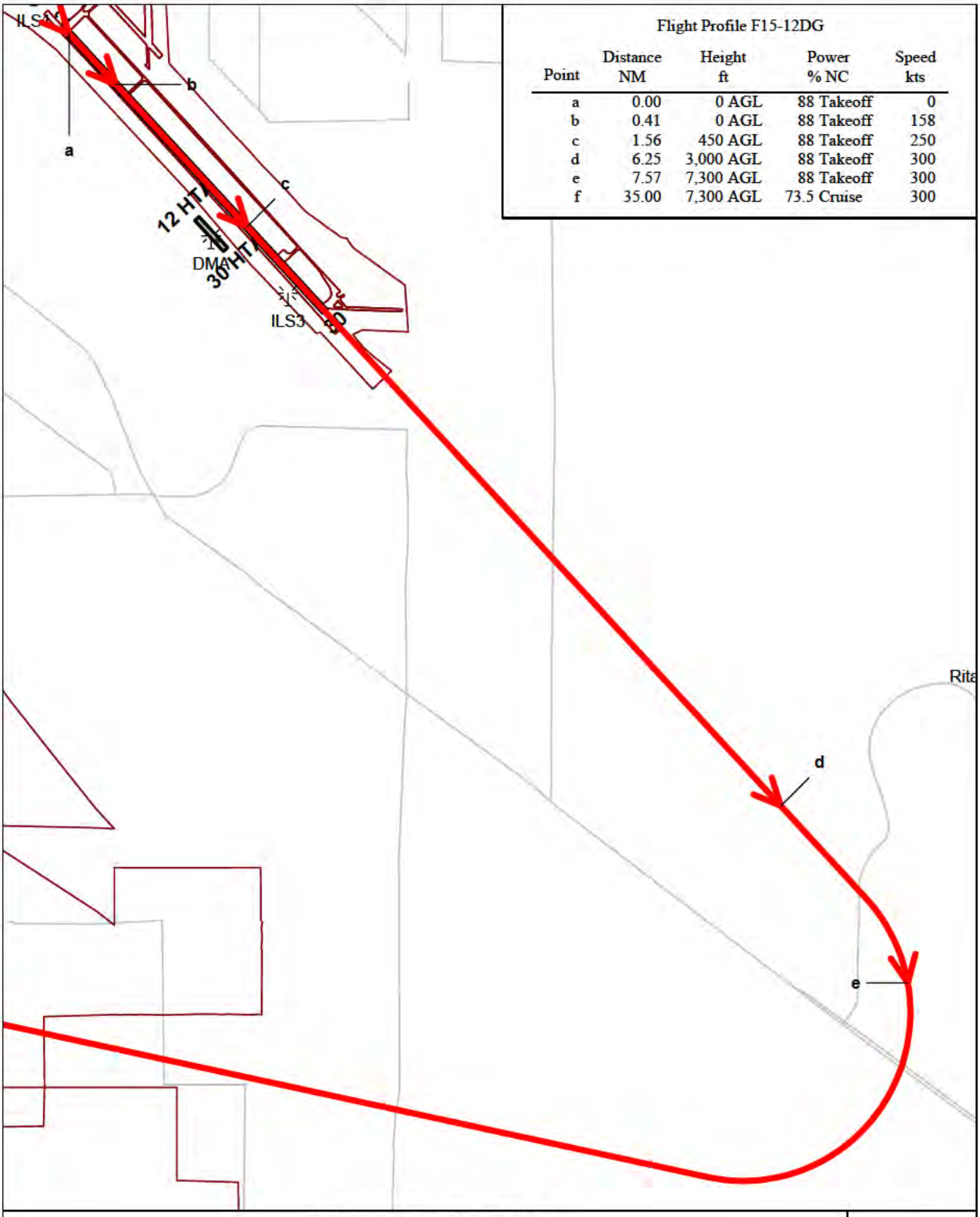
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.00	0 AGL	91 Afterburner	180
c	1.07	300 AGL	88 Takeoff	250
d	1.23	500 AGL	88 Takeoff	300
e	1.56	700 AGL	82 Takeoff	300
f	5.00	4,300 AGL	82 Takeoff	300
g	6.50	7,300 AGL	82 Takeoff	350
h	35.00	7,300 AGL	73.5 Cruise	350

Flight Profile F15-12DF
Jackal AB--Snowbird

0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:197,000 (1 inch = 16,400 feet)

N



Flight Profile F15-12DG

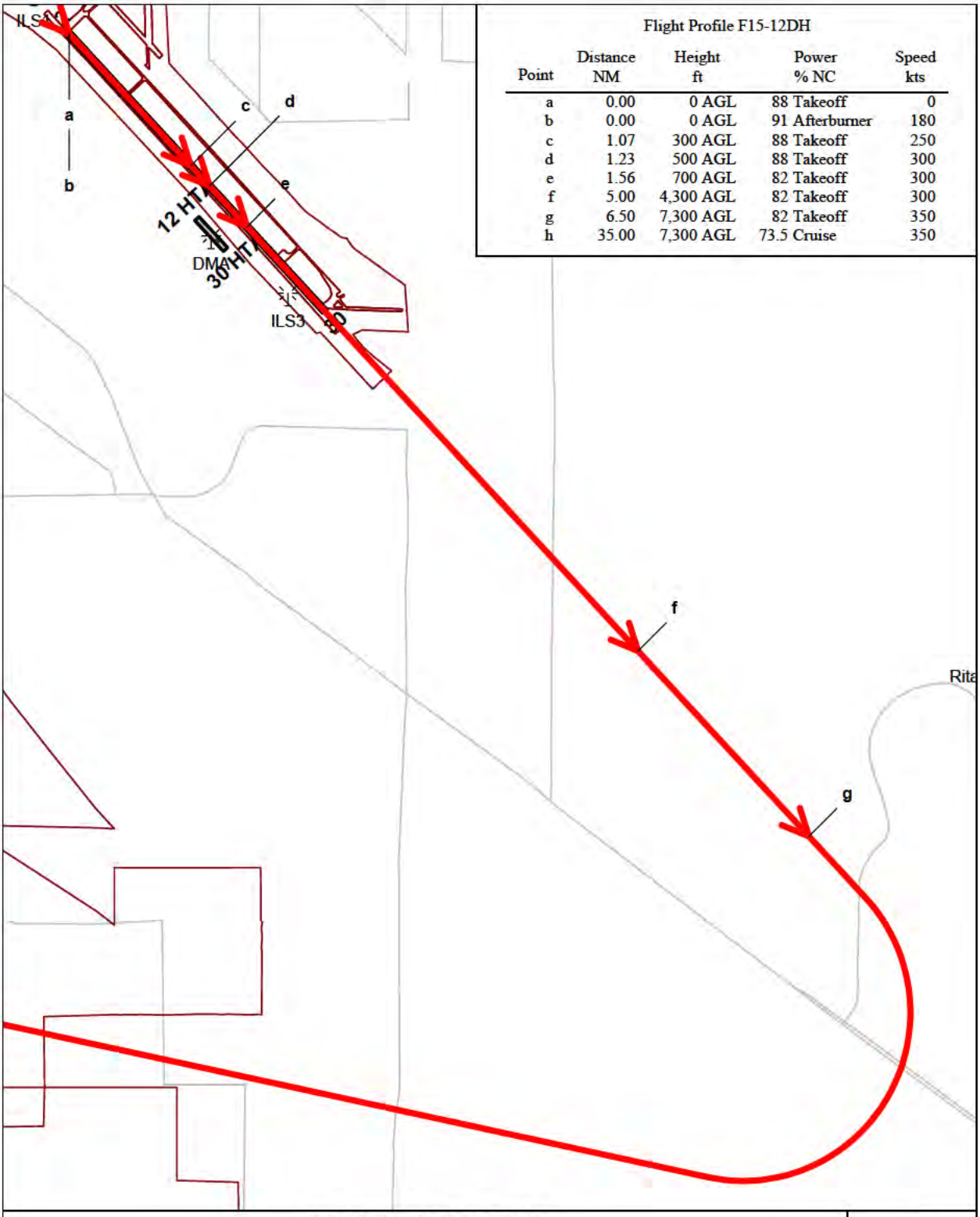
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.41	0 AGL	88 Takeoff	158
c	1.56	450 AGL	88 Takeoff	250
d	6.25	3,000 AGL	88 Takeoff	300
e	7.57	7,300 AGL	88 Takeoff	300
f	35.00	7,300 AGL	73.5 Cruise	300

Flight Profile F15-12DG
Sells--Snowbird

0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:65,200 (1 inch = 5,440 feet)

N



Flight Profile F15-12DH

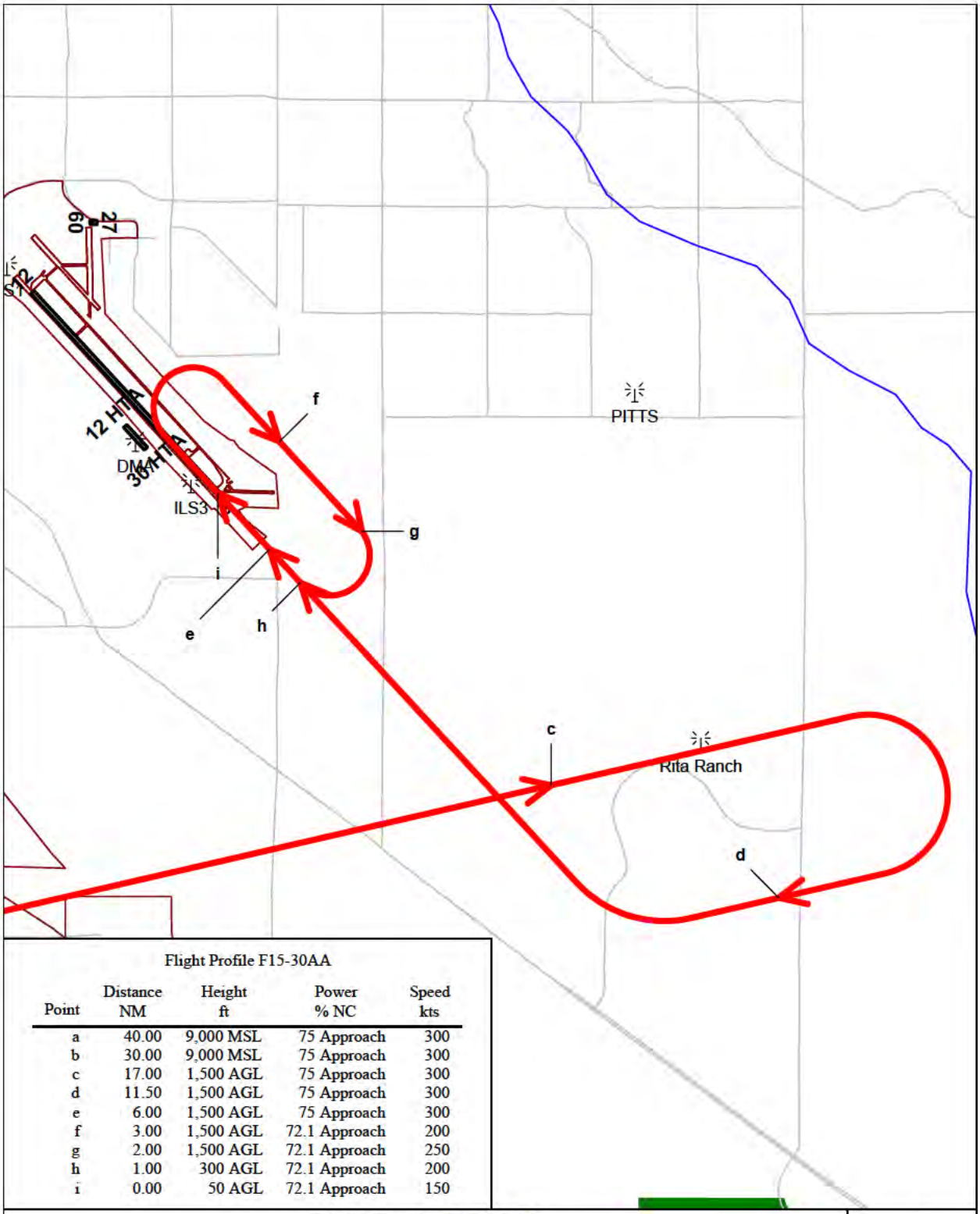
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.00	0 AGL	91 Afterburner	180
c	1.07	300 AGL	88 Takeoff	250
d	1.23	500 AGL	88 Takeoff	300
e	1.56	700 AGL	82 Takeoff	300
f	5.00	4,300 AGL	82 Takeoff	300
g	6.50	7,300 AGL	82 Takeoff	350
h	35.00	7,300 AGL	73.5 Cruise	350

Flight Profile F15-12DH
Sells AB--Snowbird

0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:65,200 (1 inch = 5,440 feet)

N



Flight Profile F15-30AA

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	75 Approach	300
b	30.00	9,000 MSL	75 Approach	300
c	17.00	1,500 AGL	75 Approach	300
d	11.50	1,500 AGL	75 Approach	300
e	6.00	1,500 AGL	75 Approach	300
f	3.00	1,500 AGL	72.1 Approach	200
g	2.00	1,500 AGL	72.1 Approach	250
h	1.00	300 AGL	72.1 Approach	200
i	0.00	50 AGL	72.1 Approach	150

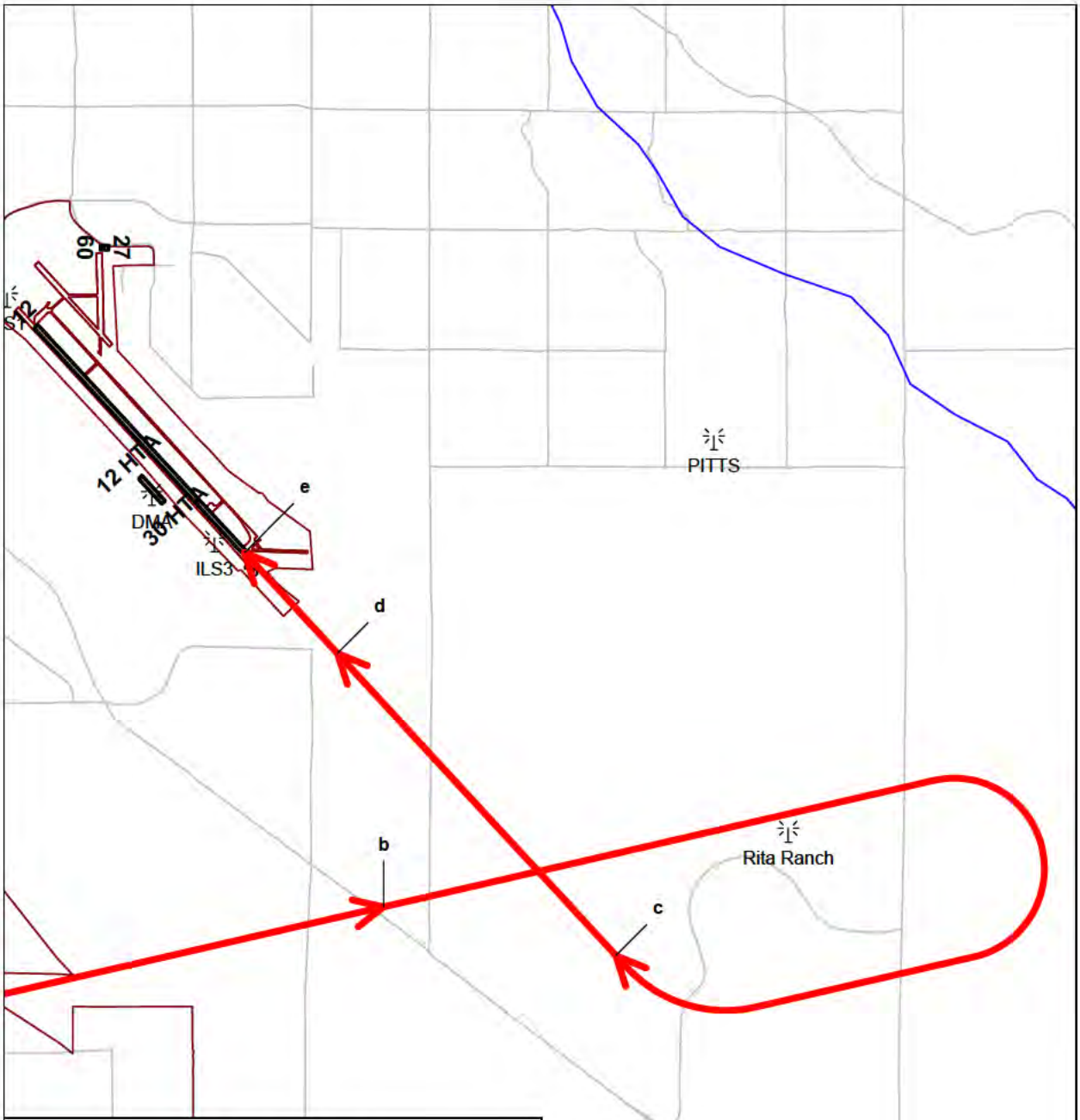
Flight Profile F15-30AA

Davez 1st Ship--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:89,900 (1 inch = 7,490 feet)

N



Flight Profile F15-30AB

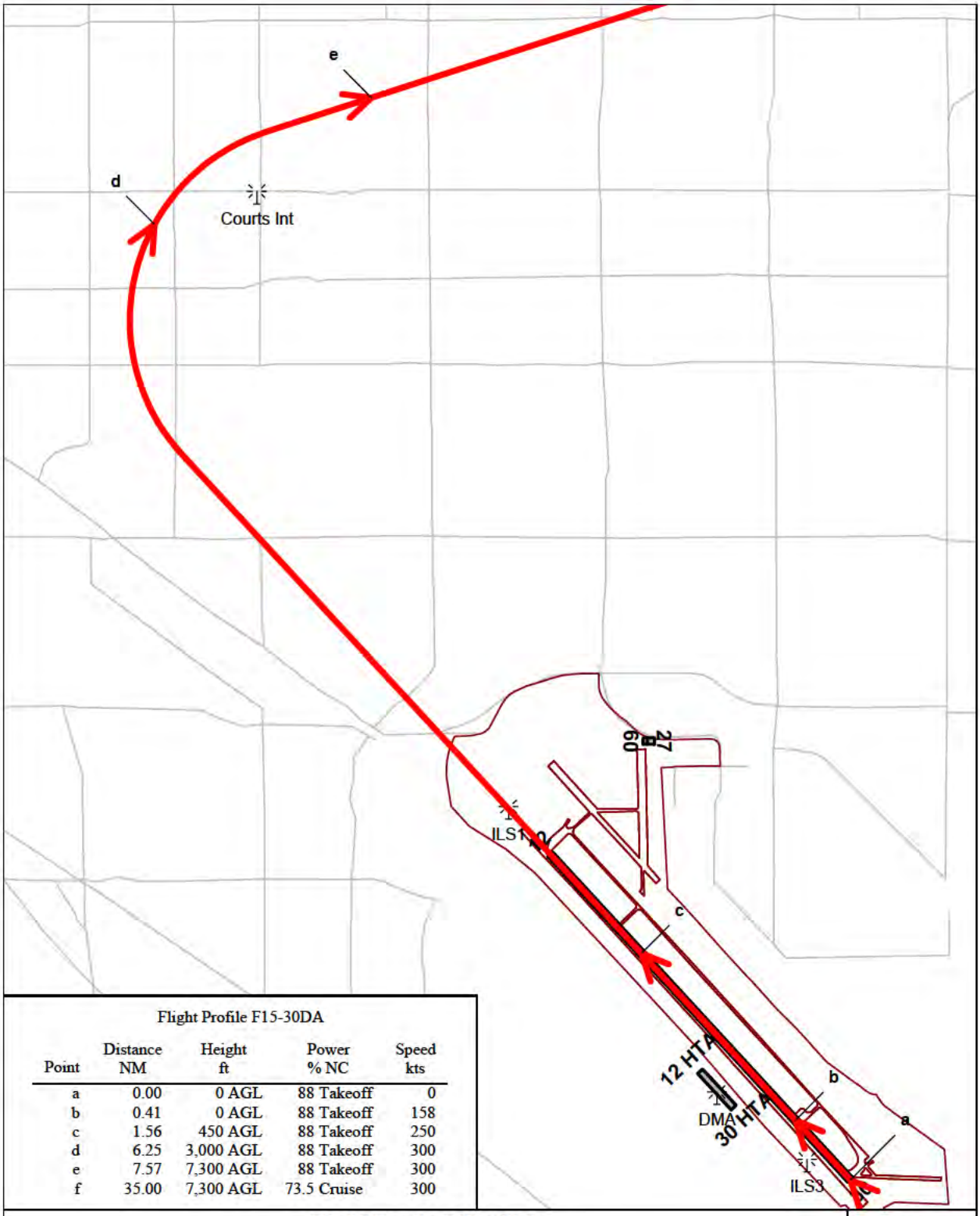
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	74 Approach	250
b	13.00	2,800 AGL	74 Approach	250
c	4.00	1,500 AGL	73 Approach	200
d	1.00	300 AGL	72.1 Approach	200
e	0.00	50 AGL	72.1 Approach	150

Flight Profile F15-30AB
Hung--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:88,000 (1 inch = 7,330 feet)

N



Flight Profile F15-30DA

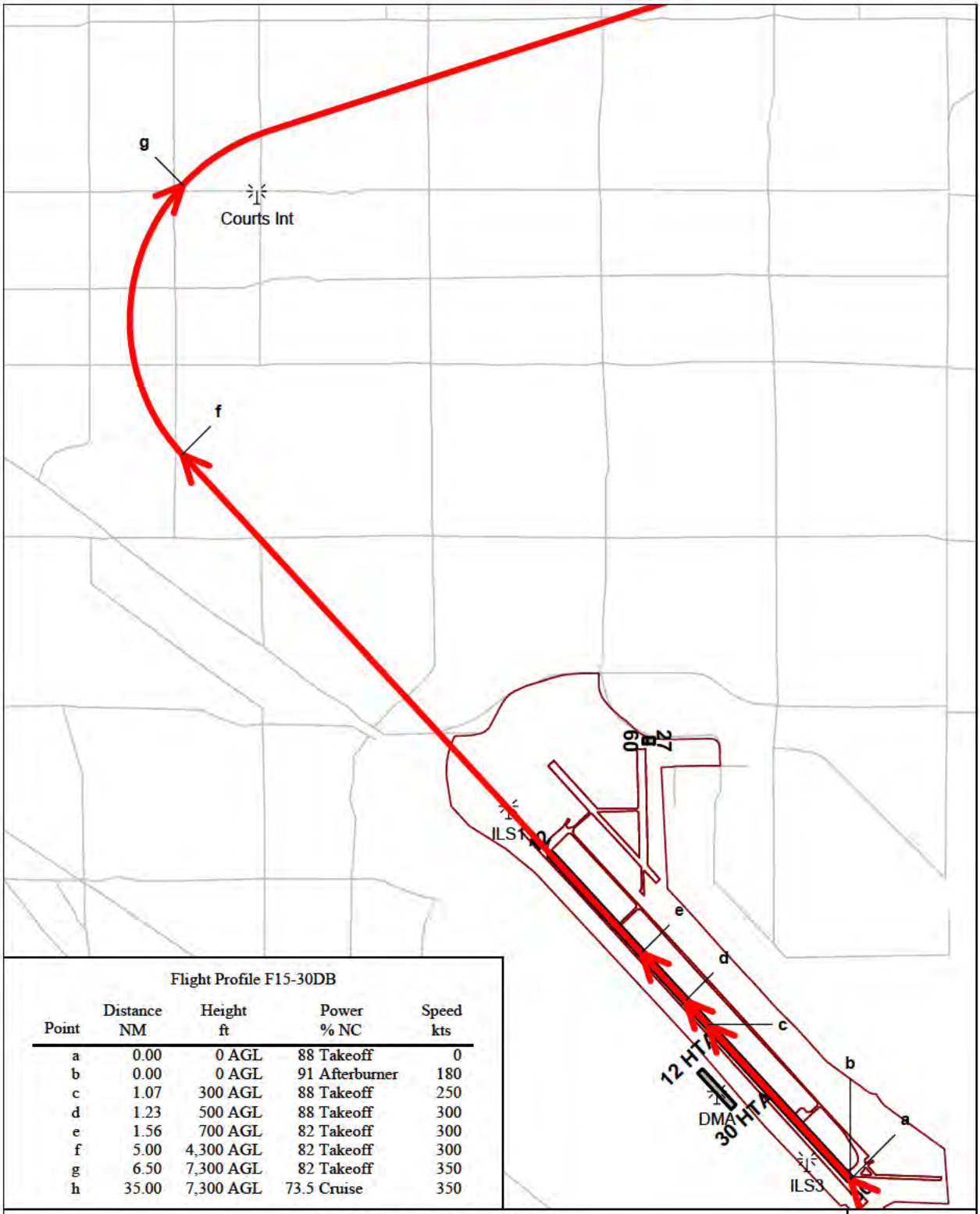
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.41	0 AGL	88 Takeoff	158
c	1.56	450 AGL	88 Takeoff	250
d	6.25	3,000 AGL	88 Takeoff	300
e	7.57	7,300 AGL	88 Takeoff	300
f	35.00	7,300 AGL	73.5 Cruise	300

Flight Profile F15-30DA
Reddy--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:55,500 (1 inch = 4,620 feet)

N



Flight Profile F15-30DB

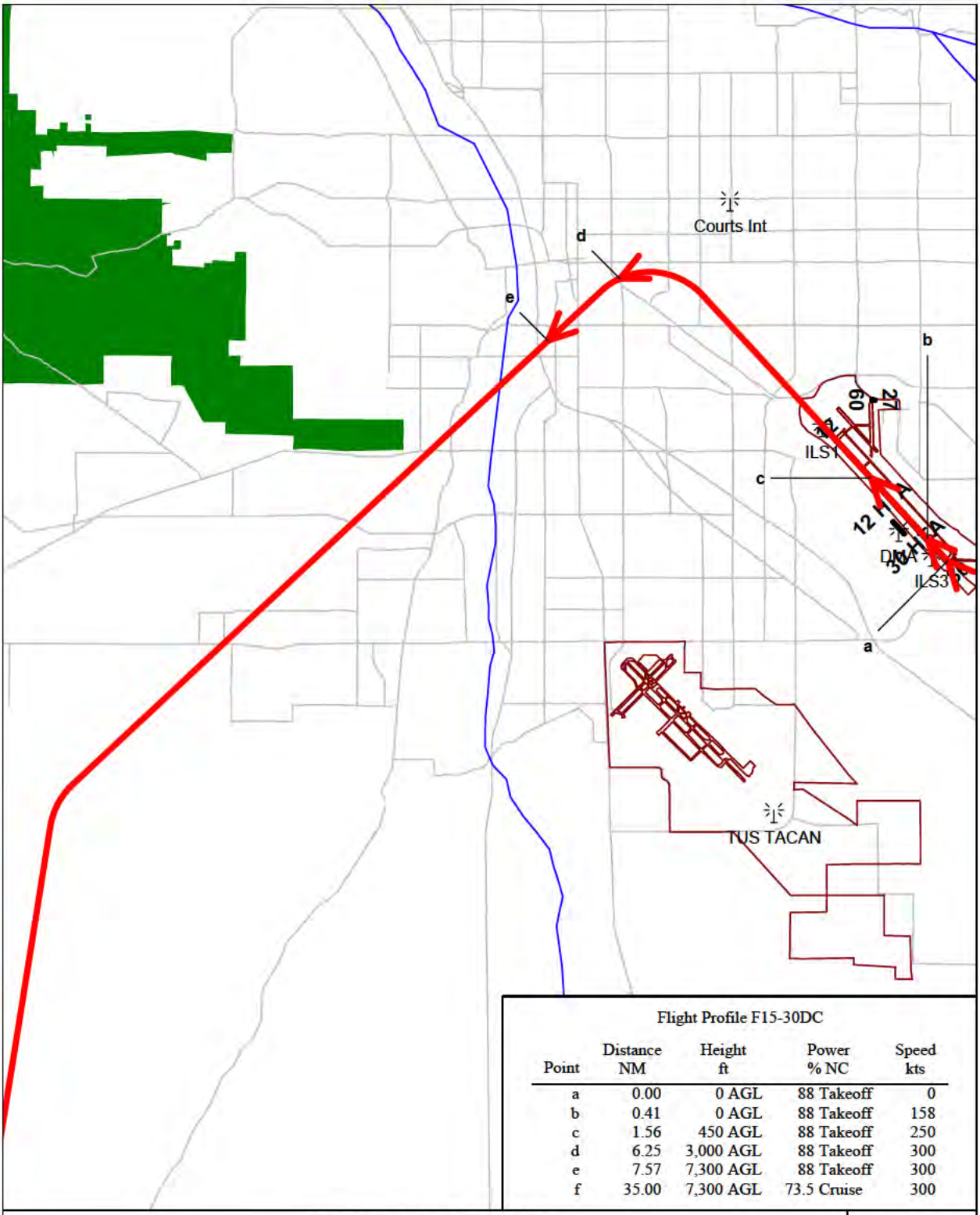
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.00	0 AGL	91 Afterburner	180
c	1.07	300 AGL	88 Takeoff	250
d	1.23	500 AGL	88 Takeoff	300
e	1.56	700 AGL	82 Takeoff	300
f	5.00	4,300 AGL	82 Takeoff	300
g	6.50	7,300 AGL	82 Takeoff	350
h	35.00	7,300 AGL	73.5 Cruise	350

Flight Profile F15-30DB
Reddy AB--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:55,500 (1 inch = 4,620 feet)

N



Flight Profile F15-30DC

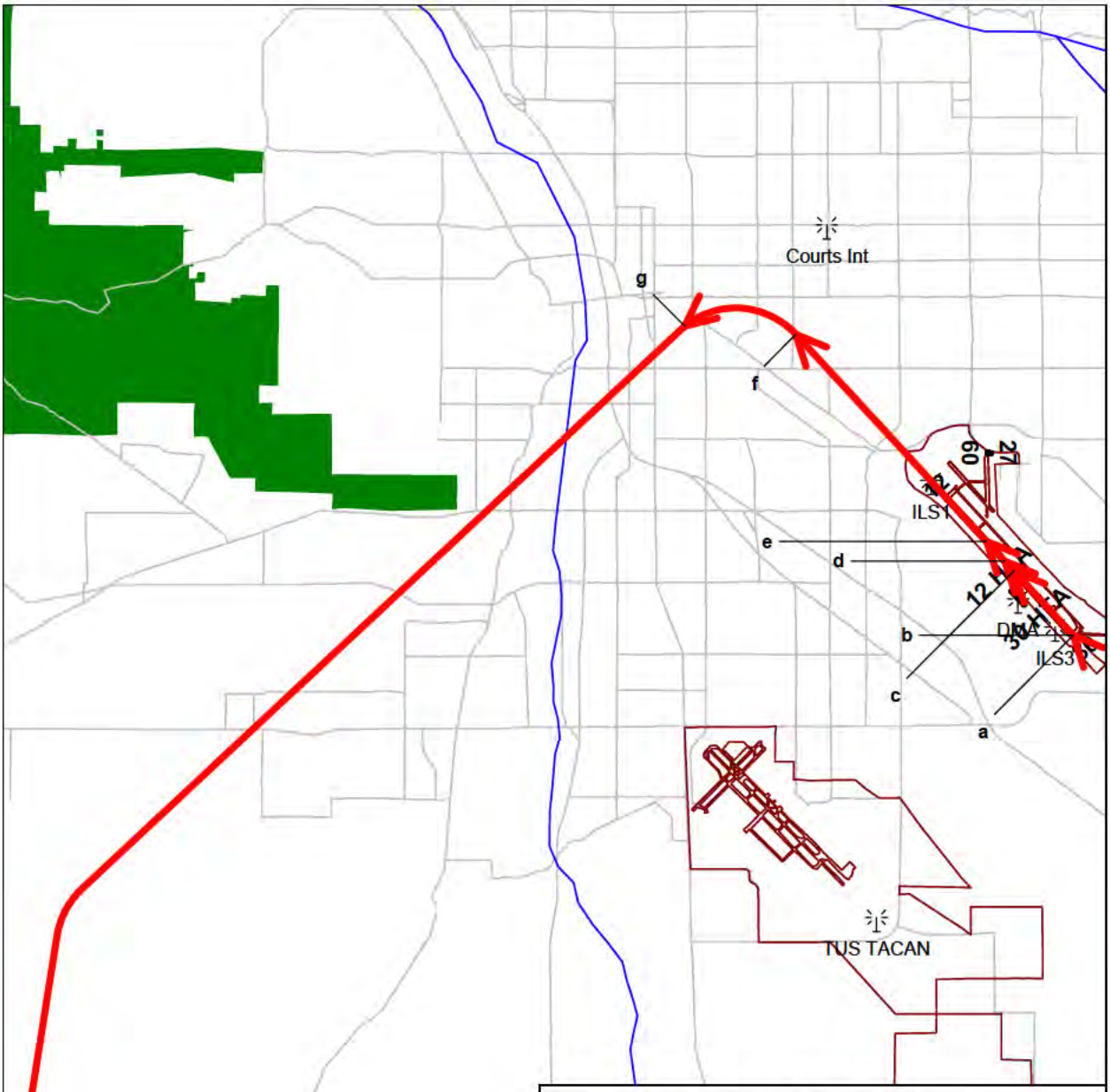
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.41	0 AGL	88 Takeoff	158
c	1.56	450 AGL	88 Takeoff	250
d	6.25	3,000 AGL	88 Takeoff	300
e	7.57	7,300 AGL	88 Takeoff	300
f	35.00	7,300 AGL	73.5 Cruise	300

Flight Profile F15-30DC
Tubac--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:151,000 (1 inch = 12,600 feet)

N



Flight Profile F15-30DE

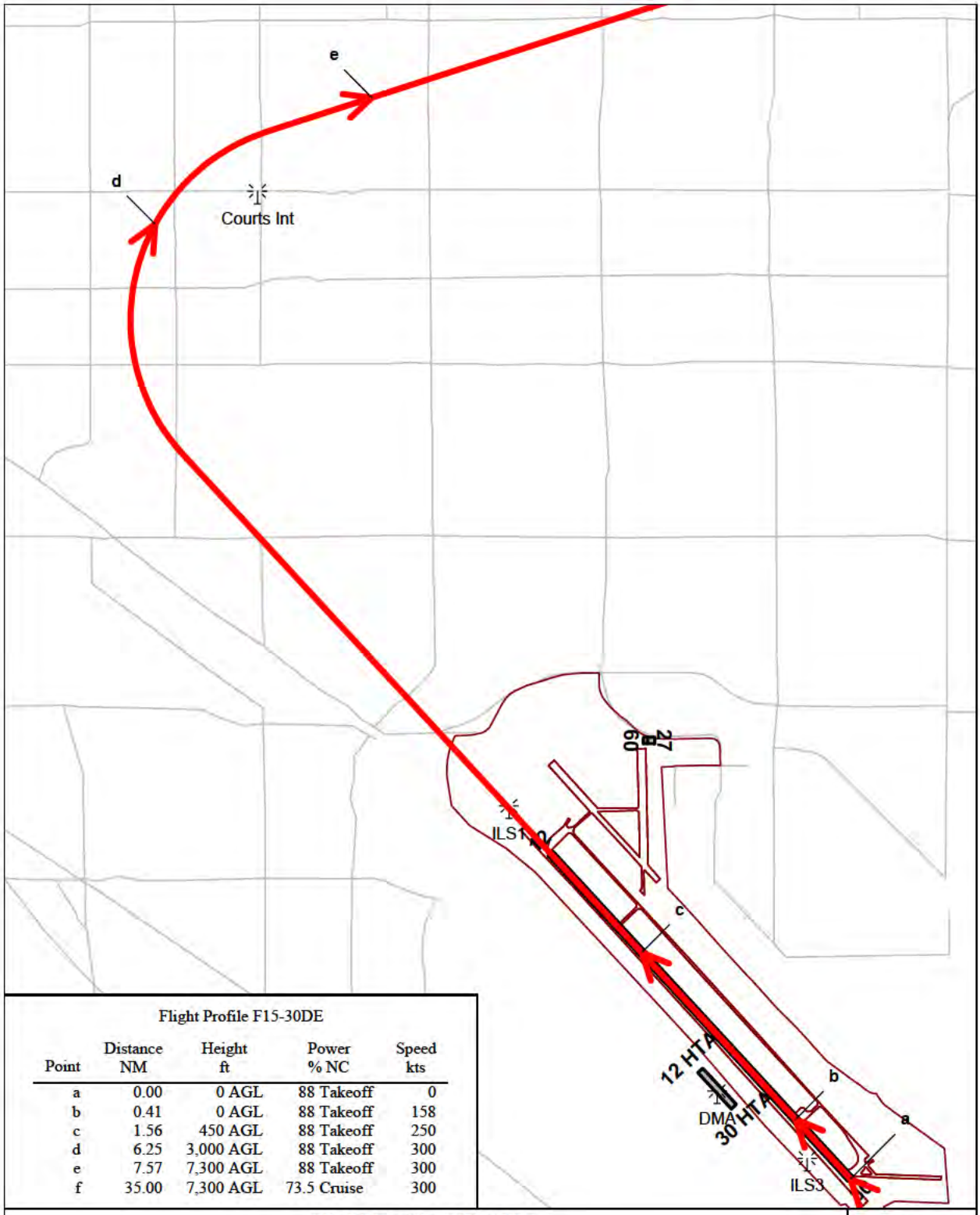
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.00	0 AGL	91 Afterburner	180
c	1.07	300 AGL	88 Takeoff	250
d	1.23	500 AGL	88 Takeoff	300
e	1.56	700 AGL	82 Takeoff	300
f	5.00	4,300 AGL	82 Takeoff	300
g	6.50	7,300 AGL	82 Takeoff	350
h	35.00	7,300 AGL	73.5 Cruise	350

Flight Profile F15-30DE
Tubac AB--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:151,000 (1 inch = 12,600 feet)

N



Flight Profile F15-30DE

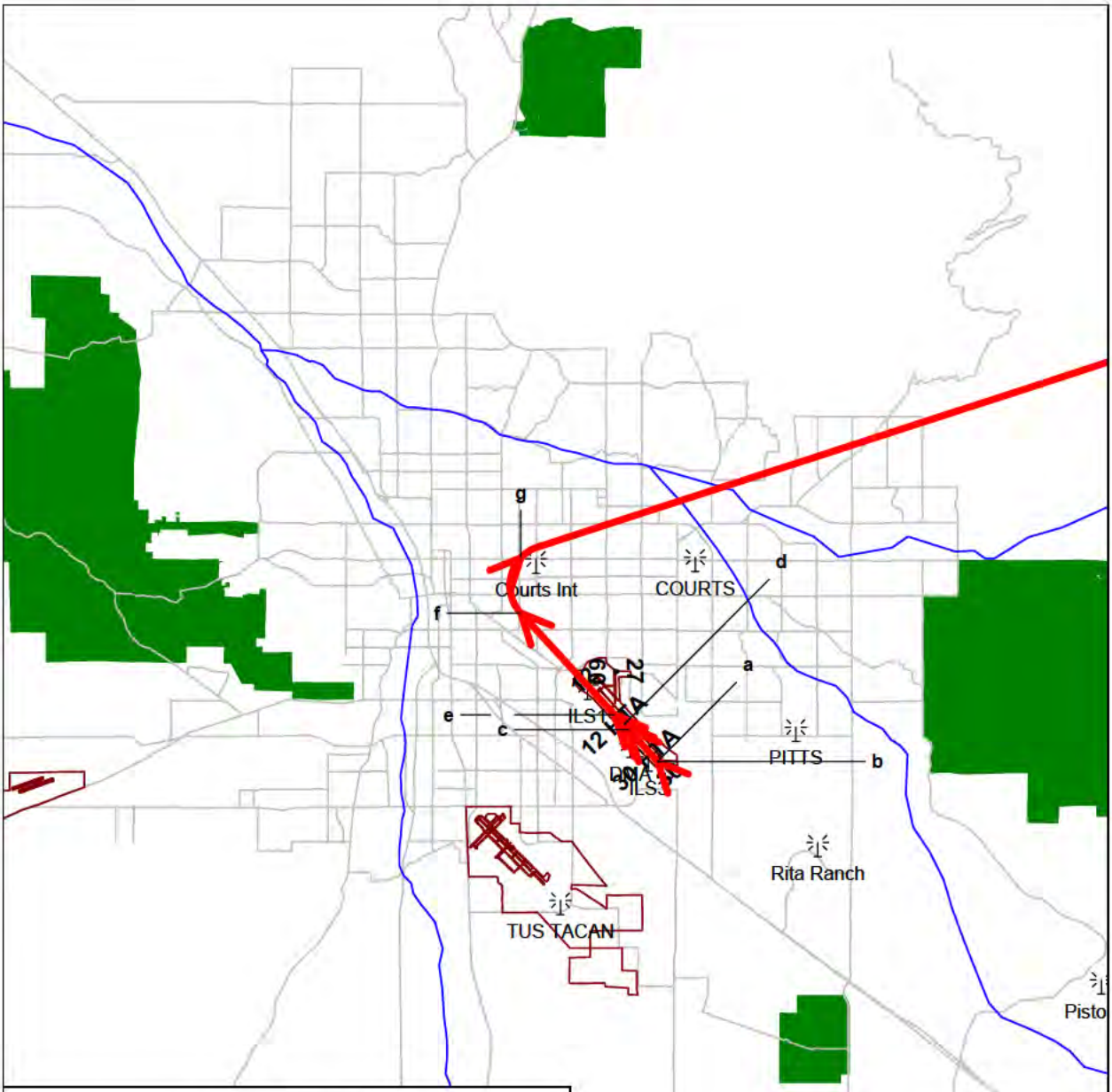
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.41	0 AGL	88 Takeoff	158
c	1.56	450 AGL	88 Takeoff	250
d	6.25	3,000 AGL	88 Takeoff	300
e	7.57	7,300 AGL	88 Takeoff	300
f	35.00	7,300 AGL	73.5 Cruise	300

Flight Profile F15-30DE
Jackal--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:55,500 (1 inch = 4,620 feet)

N



Flight Profile F15-30DF

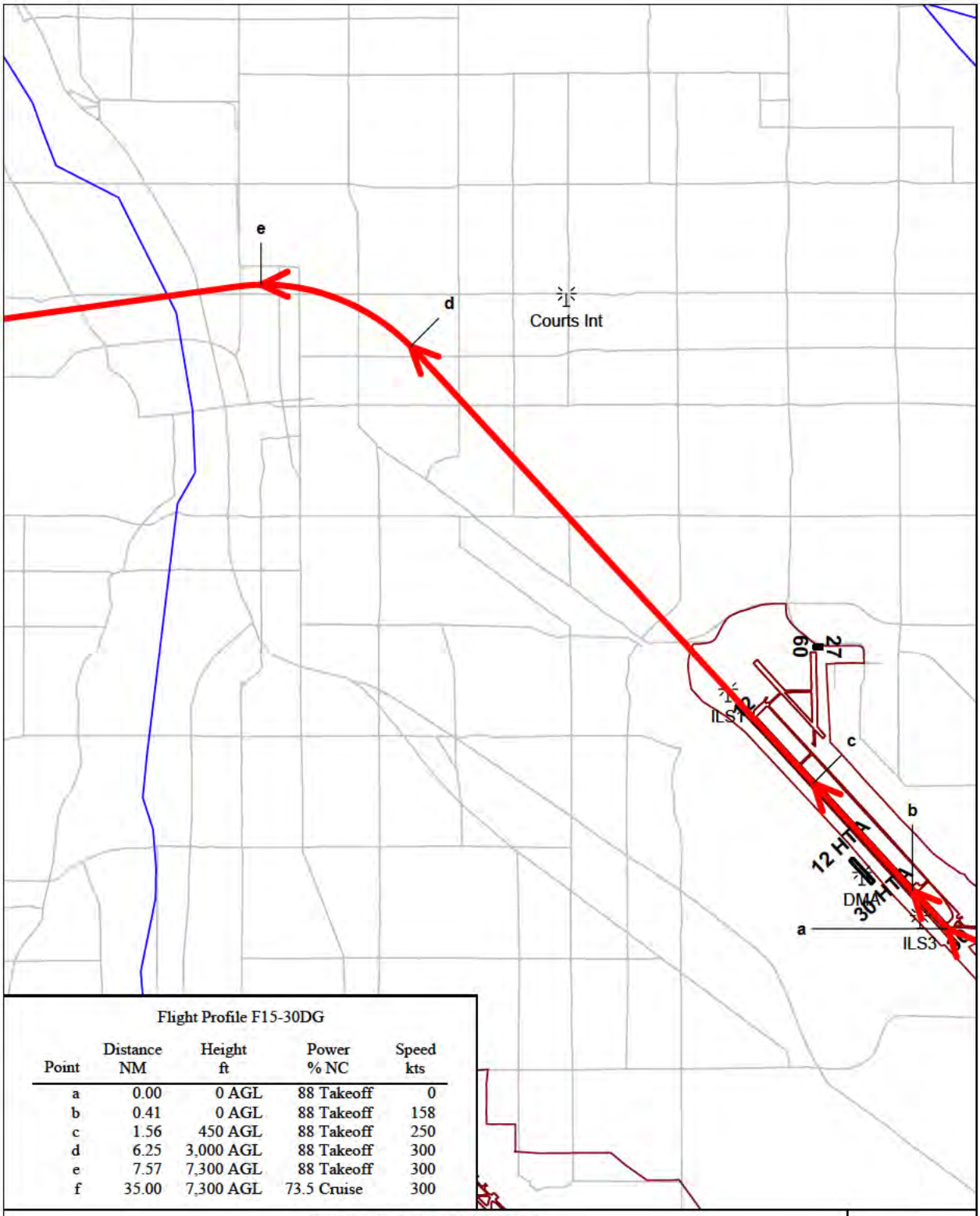
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.00	0 AGL	91 Afterburner	180
c	1.07	300 AGL	88 Takeoff	250
d	1.23	500 AGL	88 Takeoff	300
e	1.56	700 AGL	82 Takeoff	300
f	5.00	4,300 AGL	82 Takeoff	300
g	6.50	7,300 AGL	82 Takeoff	350
h	35.00	7,300 AGL	73.5 Cruise	350

Flight Profile F15-30DF
Jackal AB--Snowbird

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000

Scale in Feet 1:308,000 (1 inch = 25,600 feet)

N



Flight Profile F15-30DG

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.41	0 AGL	88 Takeoff	158
c	1.56	450 AGL	88 Takeoff	250
d	6.25	3,000 AGL	88 Takeoff	300
e	7.57	7,300 AGL	88 Takeoff	300
f	35.00	7,300 AGL	73.5 Cruise	300

Flight Profile F15-30DG

Sells--Snowbird

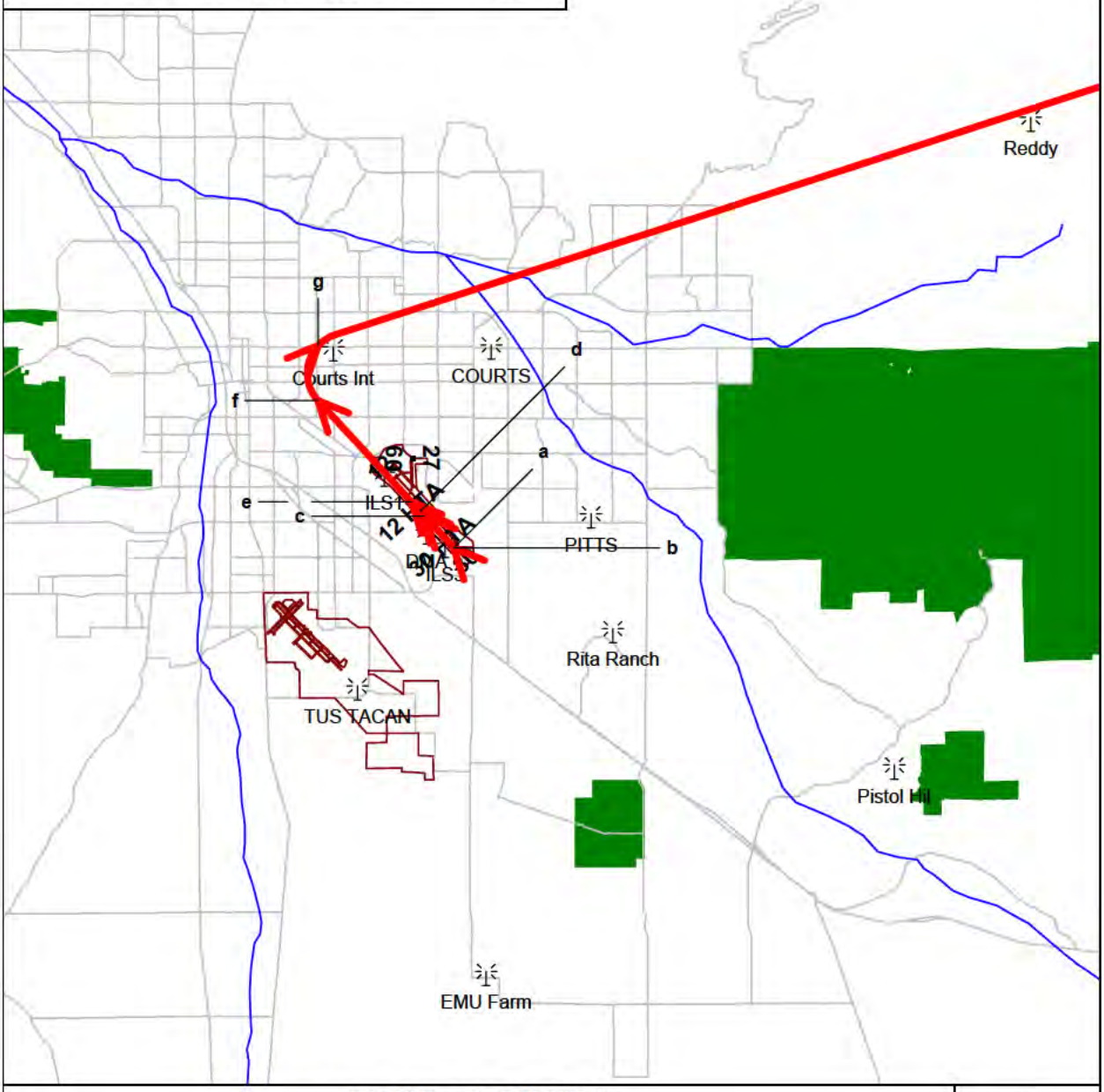
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:86,400 (1 inch = 7,200 feet)

N

Flight Profile F15-30DH

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	88 Takeoff	0
b	0.00	0 AGL	91 Afterburner	180
c	1.07	300 AGL	88 Takeoff	250
d	1.23	500 AGL	88 Takeoff	300
e	1.56	700 AGL	82 Takeoff	300
f	5.00	4,300 AGL	82 Takeoff	300
g	6.50	7,300 AGL	82 Takeoff	350
h	35.00	7,300 AGL	73.5 Cruise	350



Flight Profile F15-30DH
Sells AB--Snowbird

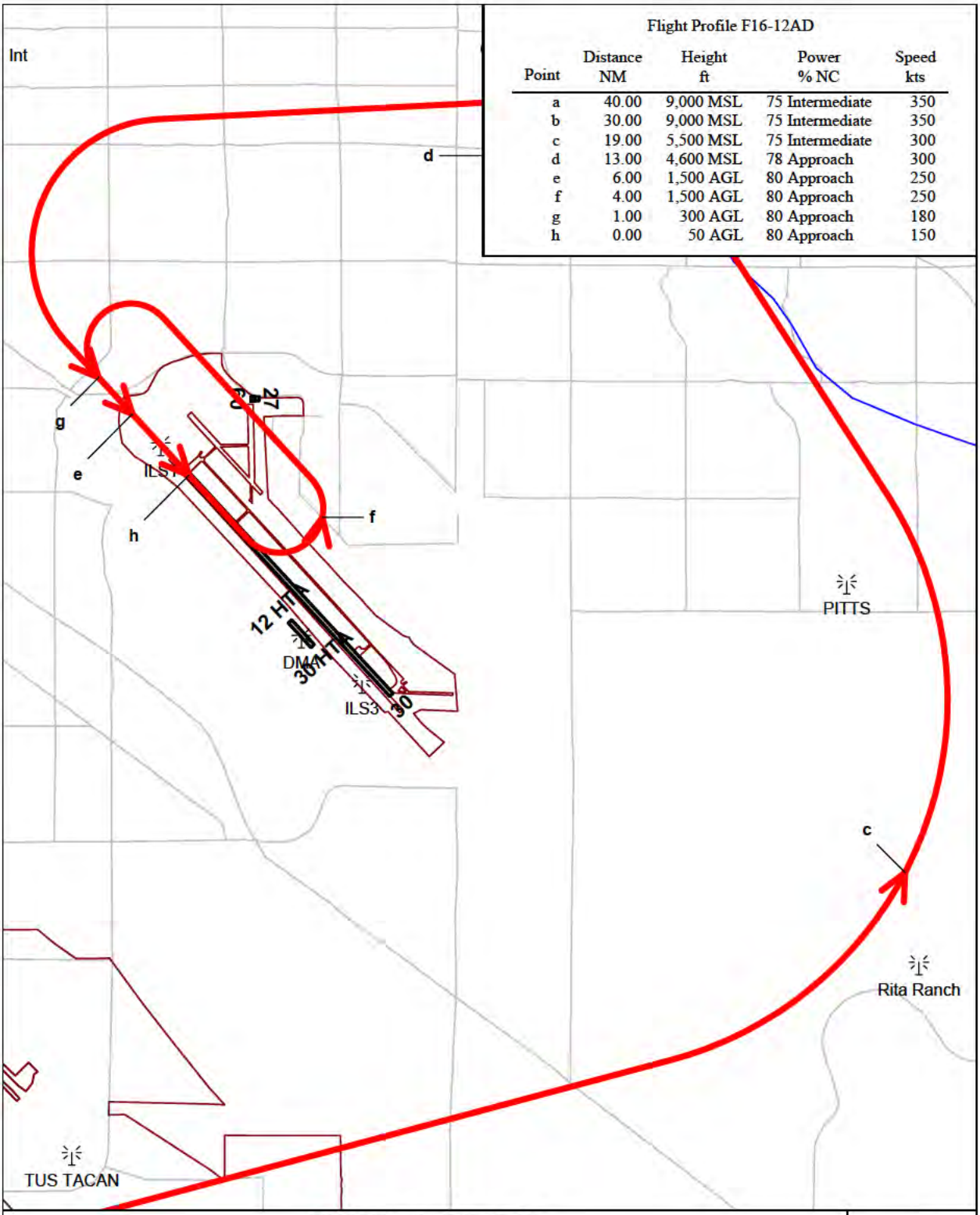
0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000

Scale in Feet 1:308,000 (1 inch = 25,600 feet)

N

Flight Profile F16-12AD

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	75 Intermediate	350
b	30.00	9,000 MSL	75 Intermediate	350
c	19.00	5,500 MSL	75 Intermediate	300
d	13.00	4,600 MSL	78 Approach	300
e	6.00	1,500 AGL	80 Approach	250
f	4.00	1,500 AGL	80 Approach	250
g	1.00	300 AGL	80 Approach	180
h	0.00	50 AGL	80 Approach	150



Flight Profile F16-12AD
Davez 1st Ship--Snowbird

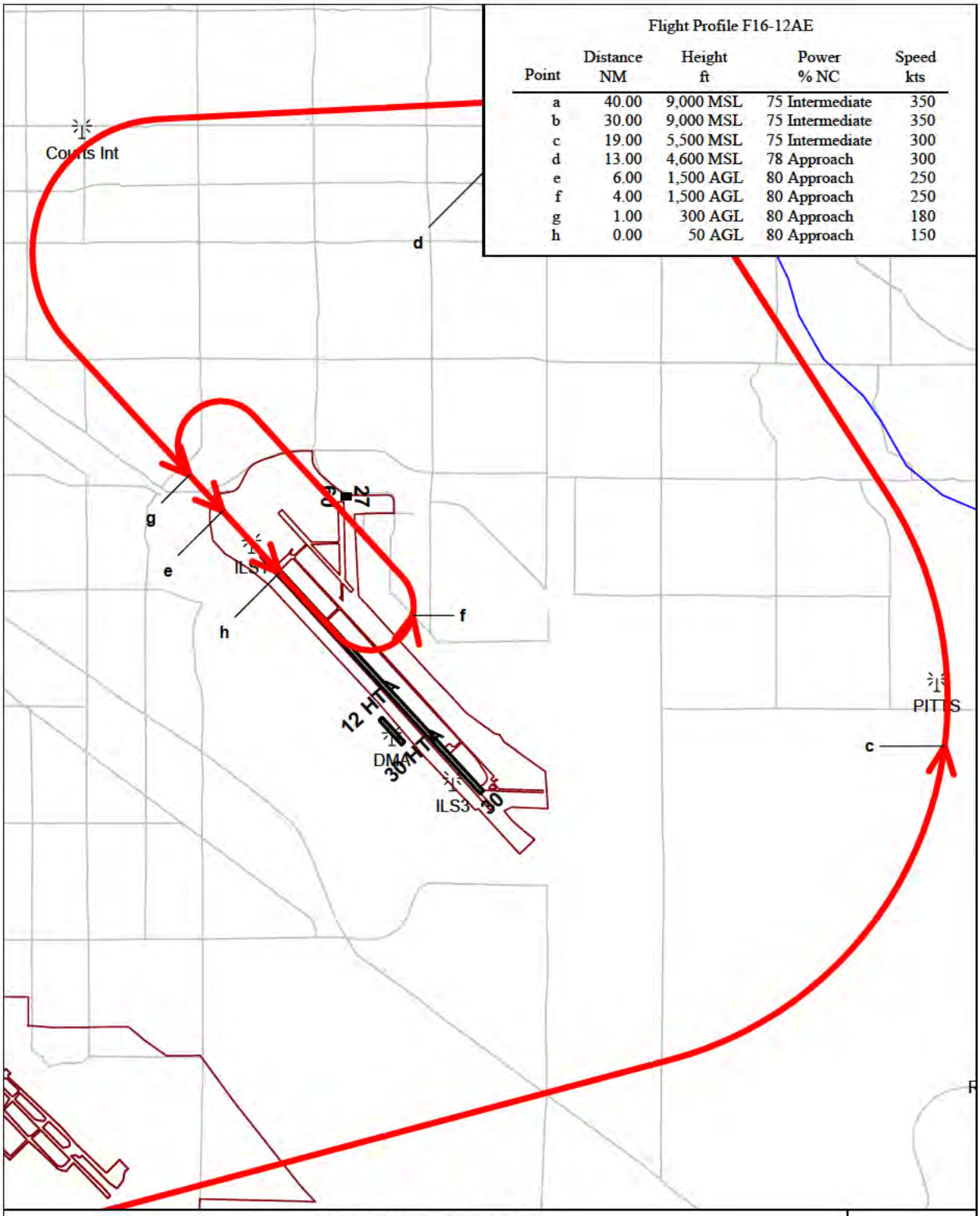
0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:82,300 (1 inch = 6,860 feet)

N

Flight Profile F16-12AE

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	75 Intermediate	350
b	30.00	9,000 MSL	75 Intermediate	350
c	19.00	5,500 MSL	75 Intermediate	300
d	13.00	4,600 MSL	78 Approach	300
e	6.00	1,500 AGL	80 Approach	250
f	4.00	1,500 AGL	80 Approach	250
g	1.00	300 AGL	80 Approach	180
h	0.00	50 AGL	80 Approach	150

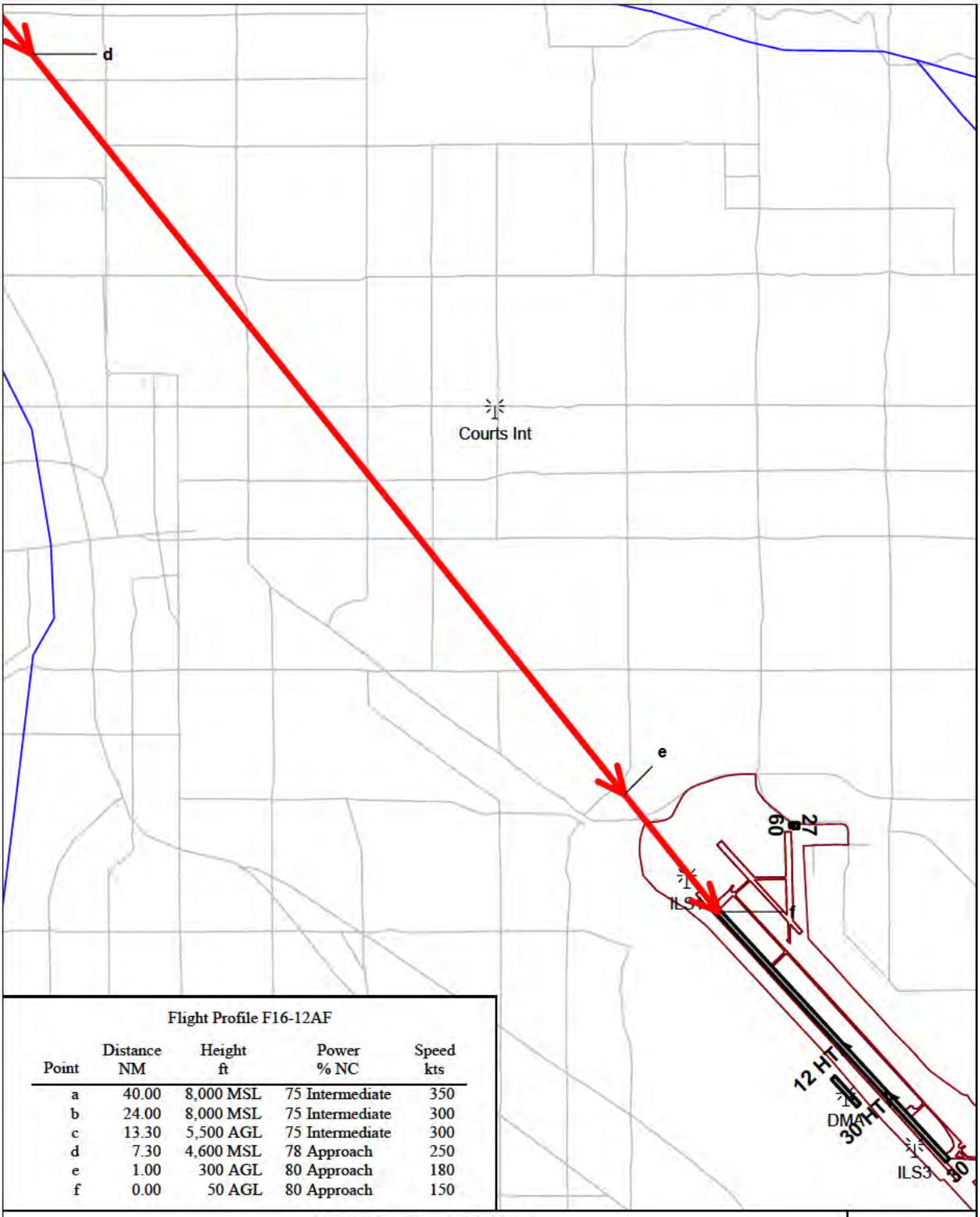


Flight Profile F16-12AE
Davez 2nd Ship--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:82,300 (1 inch = 6,860 feet)

N



Flight Profile F16-12AF

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	8,000 MSL	75 Intermediate	350
b	24.00	8,000 MSL	75 Intermediate	300
c	13.30	5,500 AGL	75 Intermediate	300
d	7.30	4,600 MSL	78 Approach	250
e	1.00	300 AGL	80 Approach	180
f	0.00	50 AGL	80 Approach	150

Flight Profile F16-12AF
TACAN--Snowbird

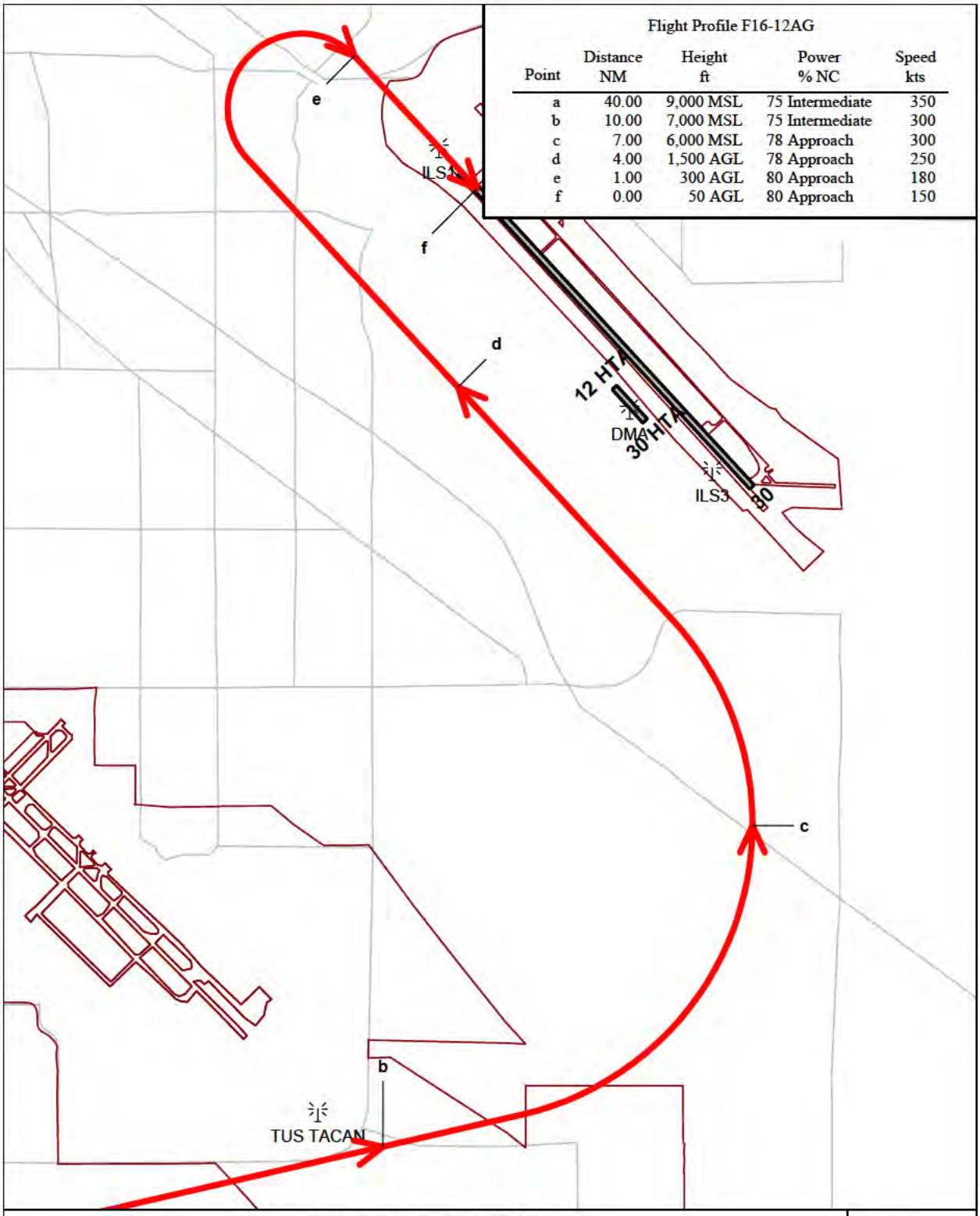
0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:72,800 (1 inch = 6,070 feet)

N

Flight Profile F16-12AG

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	75 Intermediate	350
b	10.00	7,000 MSL	75 Intermediate	300
c	7.00	6,000 MSL	78 Approach	300
d	4.00	1,500 AGL	78 Approach	250
e	1.00	300 AGL	80 Approach	180
f	0.00	50 AGL	80 Approach	150

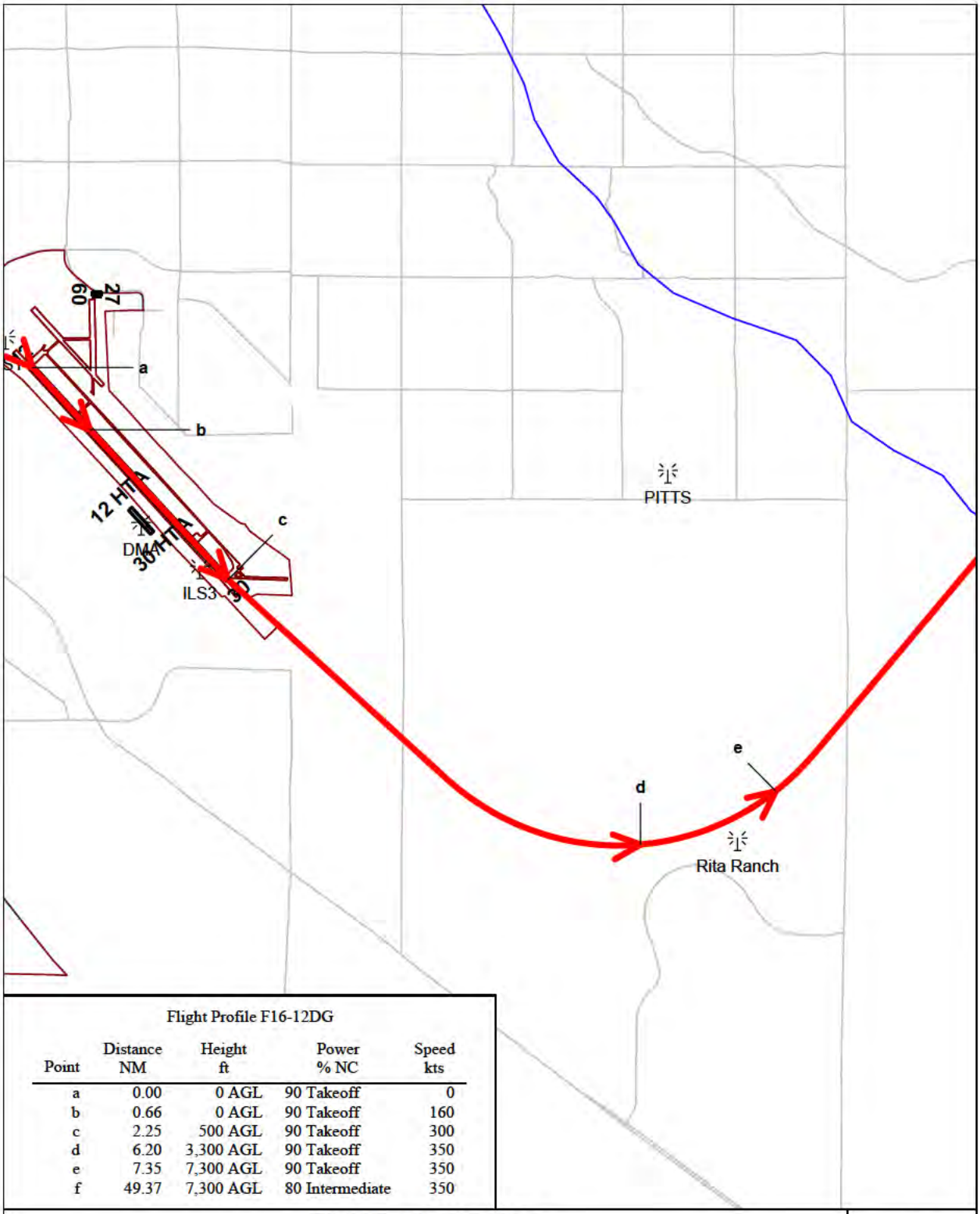


Flight Profile F16-12AG
HUNG--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000 20,000

Scale in Feet 1:60,600 (1 inch = 5,050 feet)

N



Flight Profile F16-12DG

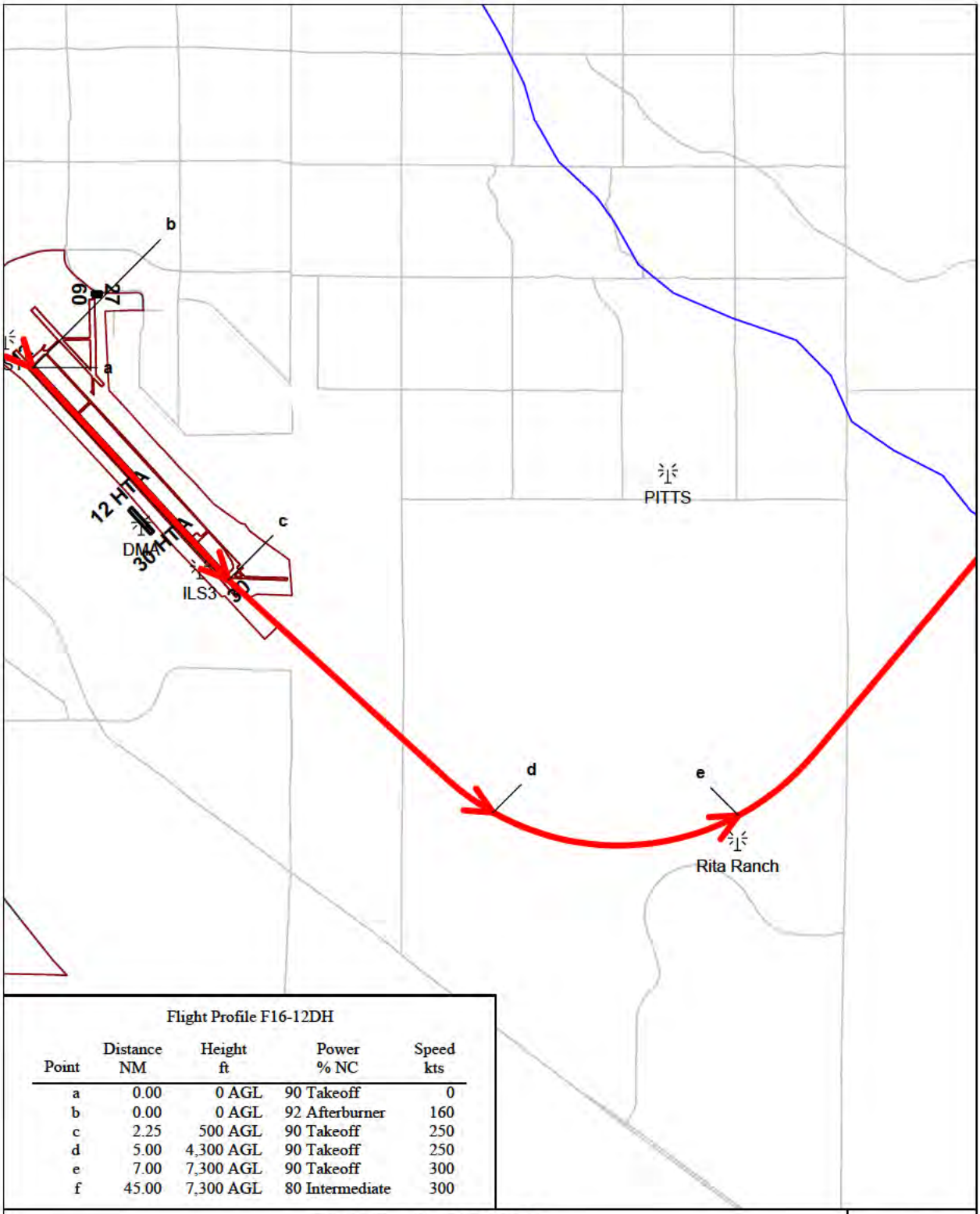
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.66	0 AGL	90 Takeoff	160
c	2.25	500 AGL	90 Takeoff	300
d	6.20	3,300 AGL	90 Takeoff	350
e	7.35	7,300 AGL	90 Takeoff	350
f	49.37	7,300 AGL	80 Intermediate	350

Flight Profile F16-12DG
Reddy--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:85,200 (1 inch = 7,100 feet)

N



Flight Profile F16-12DH

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	92 Afterburner	160
c	2.25	500 AGL	90 Takeoff	250
d	5.00	4,300 AGL	90 Takeoff	250
e	7.00	7,300 AGL	90 Takeoff	300
f	45.00	7,300 AGL	80 Intermediate	300

Flight Profile F16-12DH
Reddy AB Dep--Snowbird

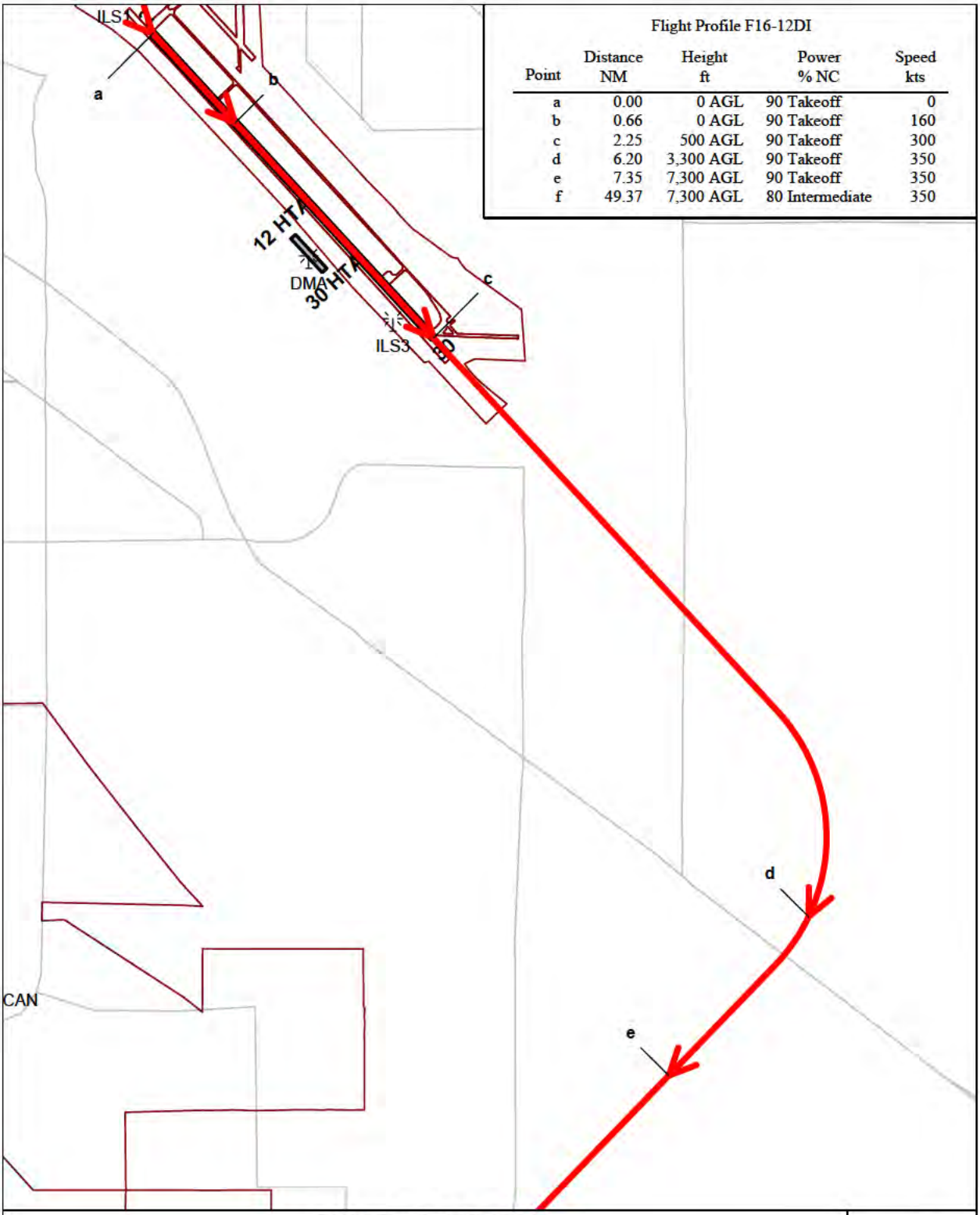
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:85,200 (1 inch = 7,100 feet)

N

Flight Profile F16-12DI

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.66	0 AGL	90 Takeoff	160
c	2.25	500 AGL	90 Takeoff	300
d	6.20	3,300 AGL	90 Takeoff	350
e	7.35	7,300 AGL	90 Takeoff	350
f	49.37	7,300 AGL	80 Intermediate	350

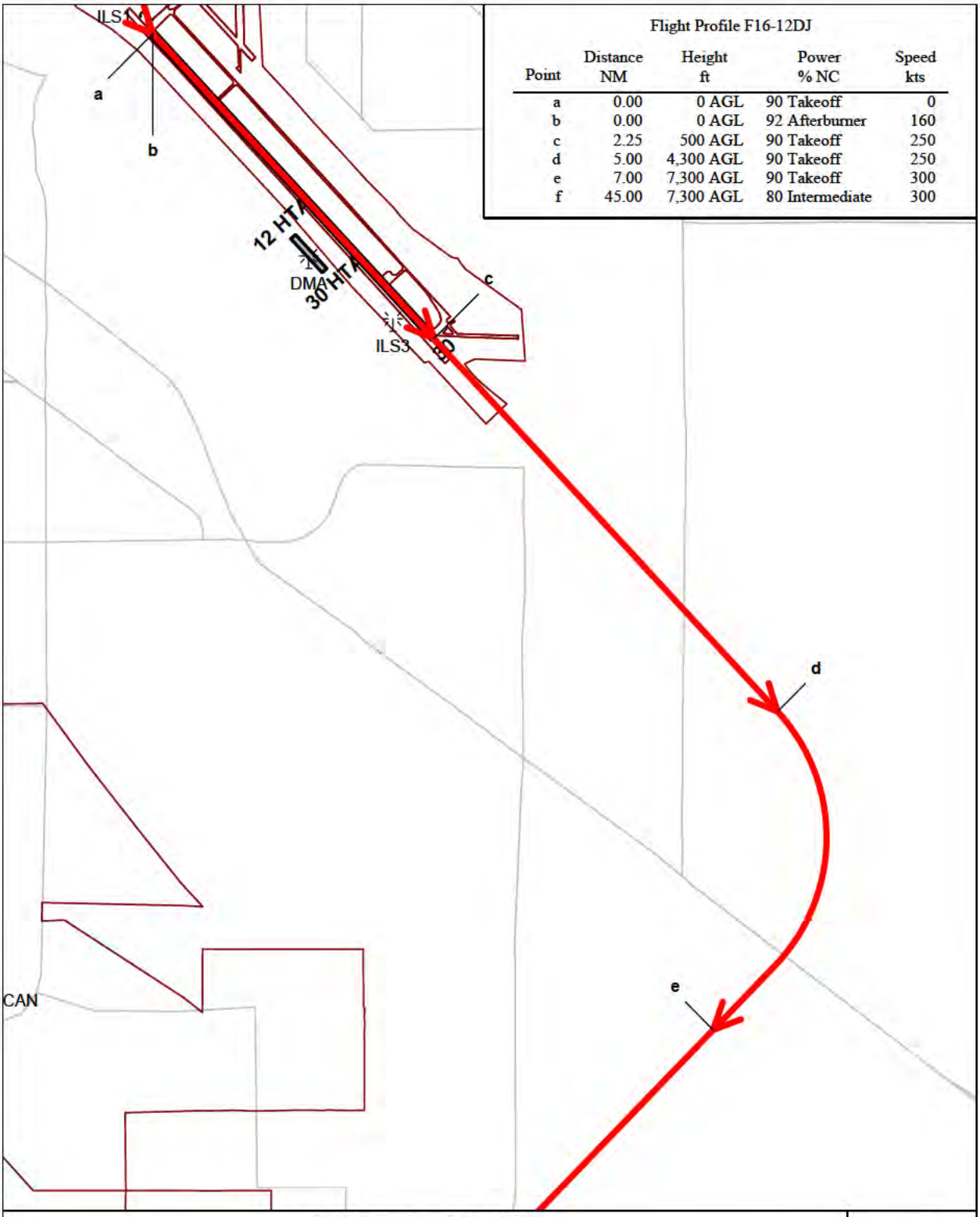


Flight Profile F16-12DI
Tubac--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000 20,000

Scale in Feet 1:59,400 (1 inch = 4,950 feet)

N



Flight Profile F16-12DJ

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	92 Afterburner	160
c	2.25	500 AGL	90 Takeoff	250
d	5.00	4,300 AGL	90 Takeoff	250
e	7.00	7,300 AGL	90 Takeoff	300
f	45.00	7,300 AGL	80 Intermediate	300

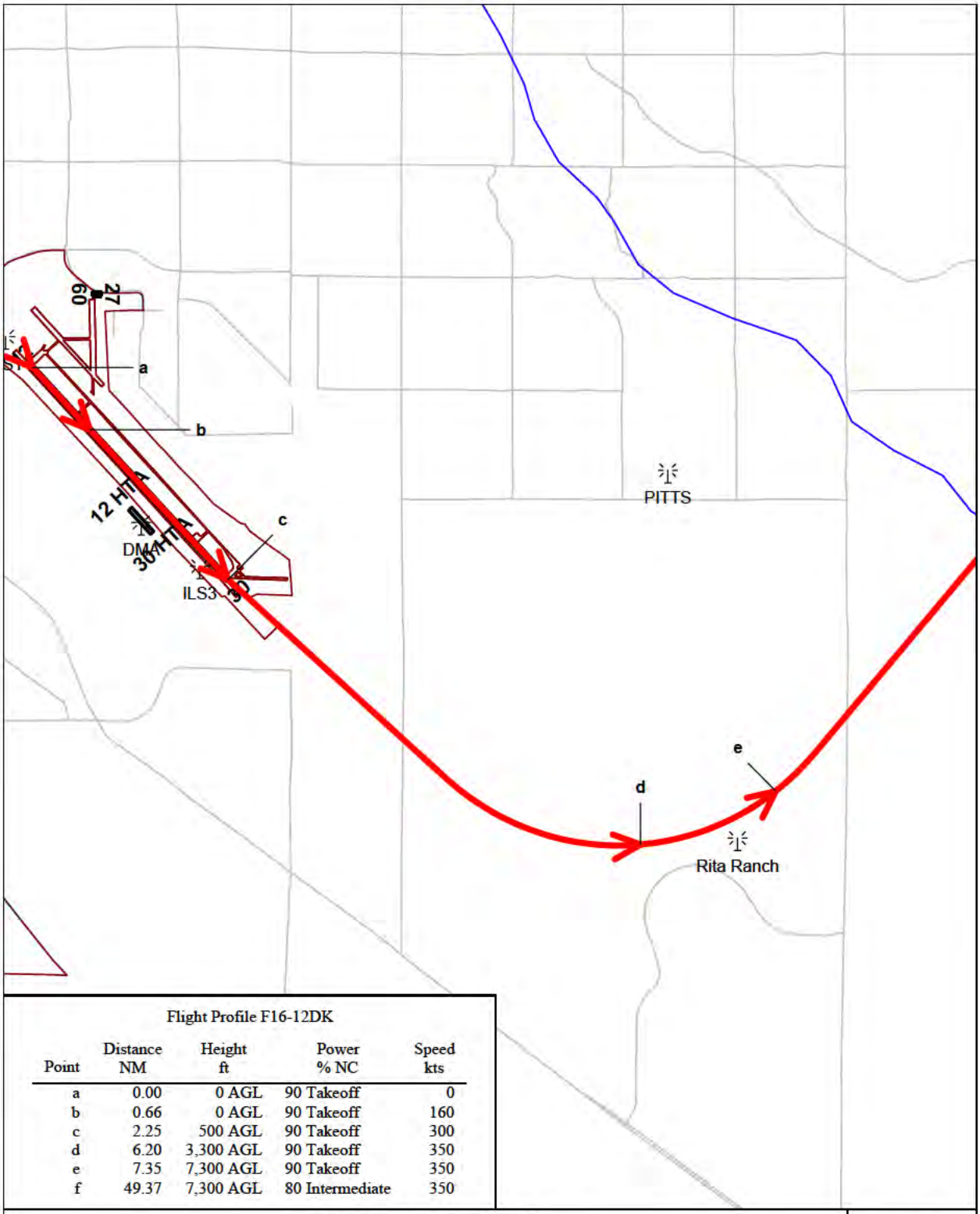
Flight Profile F16-12DJ

Tubac AB Dep--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000 20,000

Scale in Feet 1:59,400 (1 inch = 4,950 feet)

N



Flight Profile F16-12DK

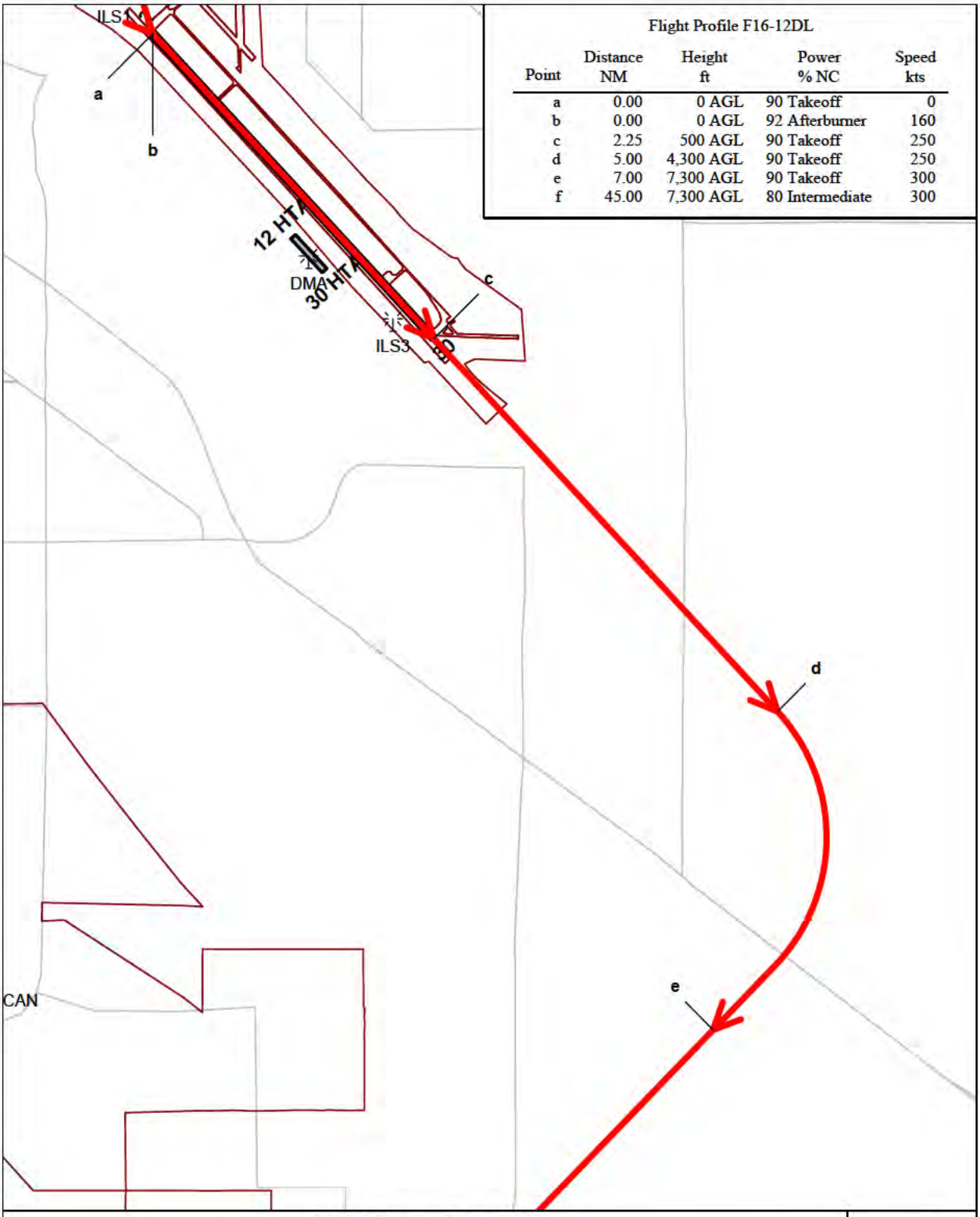
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.66	0 AGL	90 Takeoff	160
c	2.25	500 AGL	90 Takeoff	300
d	6.20	3,300 AGL	90 Takeoff	350
e	7.35	7,300 AGL	90 Takeoff	350
f	49.37	7,300 AGL	80 Intermediate	350

Flight Profile F16-12DK
Jackal--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:85,200 (1 inch = 7,100 feet)

N



Flight Profile F16-12DL

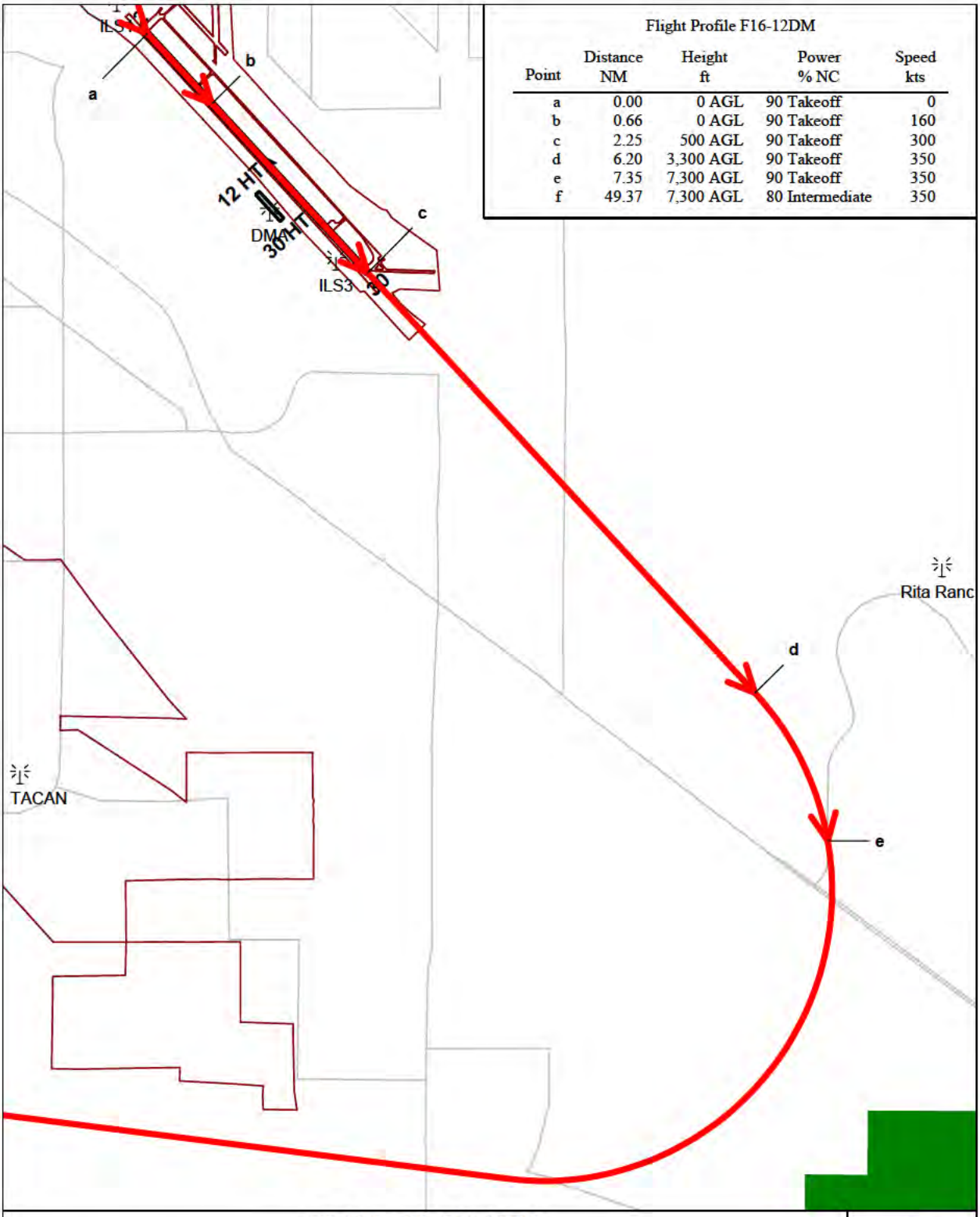
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	92 Afterburner	160
c	2.25	500 AGL	90 Takeoff	250
d	5.00	4,300 AGL	90 Takeoff	250
e	7.00	7,300 AGL	90 Takeoff	300
f	45.00	7,300 AGL	80 Intermediate	300

Flight Profile F16-12DL
Jackal AB Dep--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000 20,000

Scale in Feet 1:59,400 (1 inch = 4,950 feet)

N



Flight Profile F16-12DM

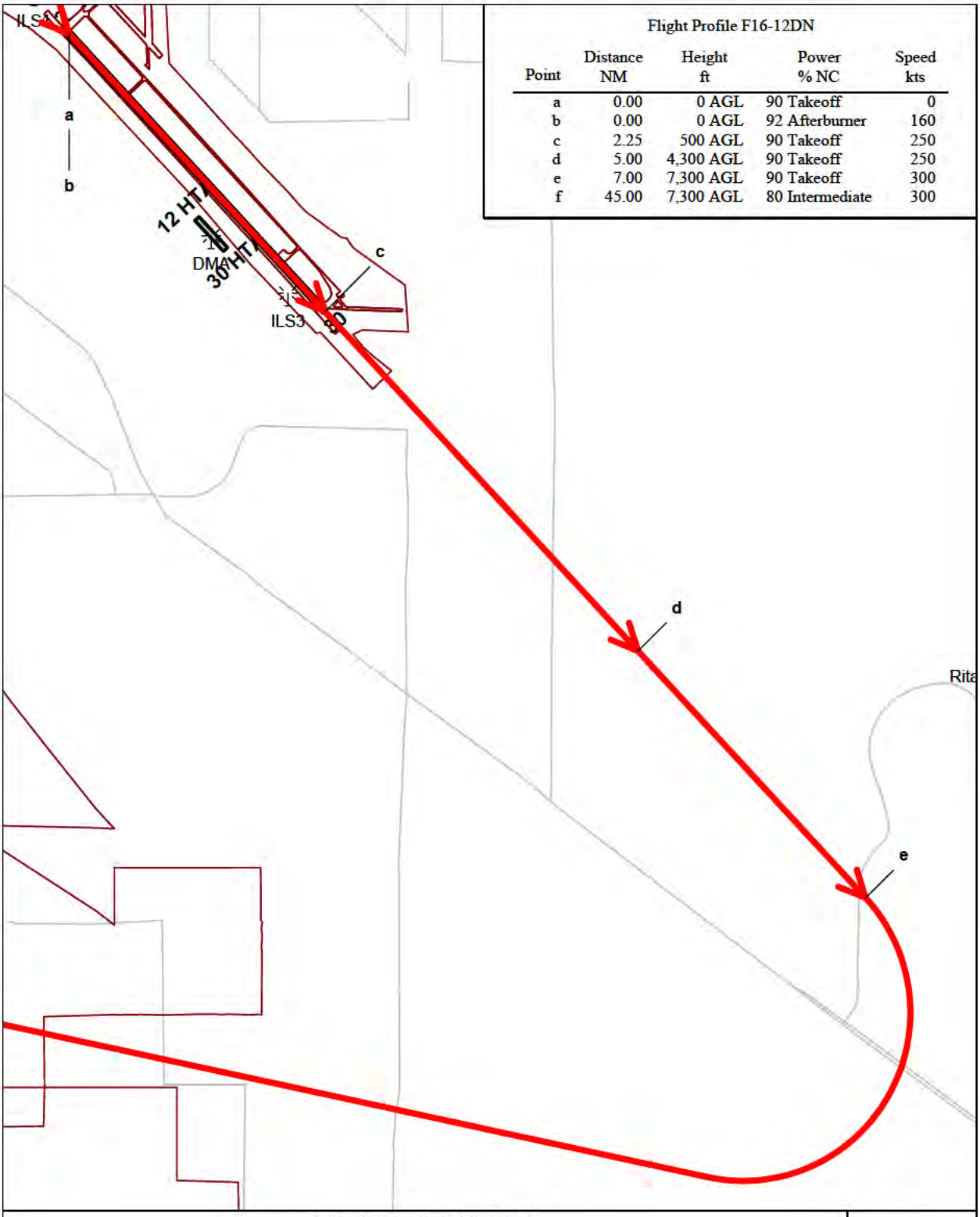
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.66	0 AGL	90 Takeoff	160
c	2.25	500 AGL	90 Takeoff	300
d	6.20	3,300 AGL	90 Takeoff	350
e	7.35	7,300 AGL	90 Takeoff	350
f	49.37	7,300 AGL	80 Intermediate	350

Flight Profile F16-12DM
Sells Dep--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:75,700 (1 inch = 6,310 feet)

N



Flight Profile F16-12DN

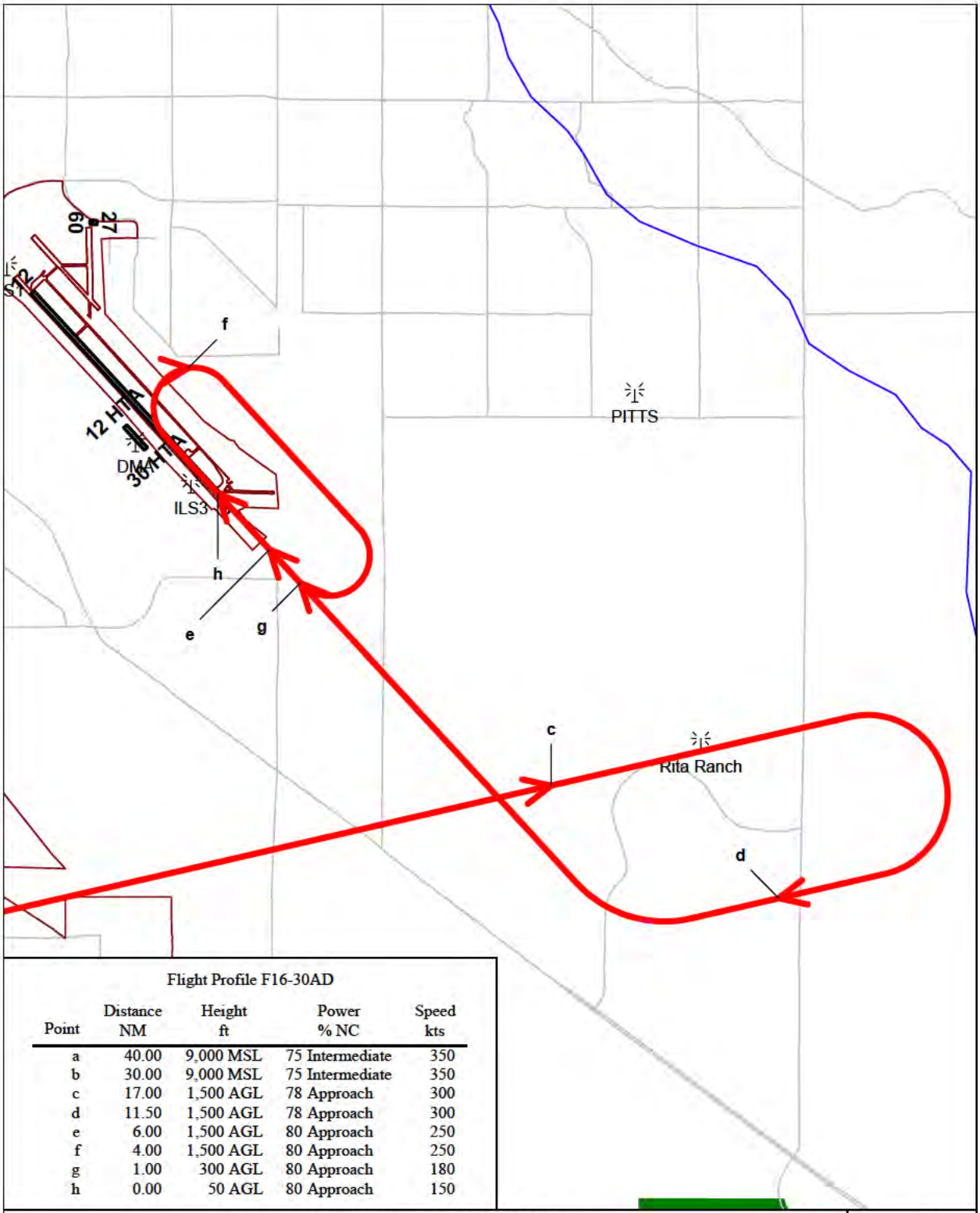
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	92 Afterburner	160
c	2.25	500 AGL	90 Takeoff	250
d	5.00	4,300 AGL	90 Takeoff	250
e	7.00	7,300 AGL	90 Takeoff	300
f	45.00	7,300 AGL	80 Intermediate	300

Flight Profile F16-12DN
Sells AB Dep--Snowbird

0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:65,200 (1 inch = 5,440 feet)

N



Flight Profile F16-30AD

Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	75 Intermediate	350
b	30.00	9,000 MSL	75 Intermediate	350
c	17.00	1,500 AGL	78 Approach	300
d	11.50	1,500 AGL	78 Approach	300
e	6.00	1,500 AGL	80 Approach	250
f	4.00	1,500 AGL	80 Approach	250
g	1.00	300 AGL	80 Approach	180
h	0.00	50 AGL	80 Approach	150

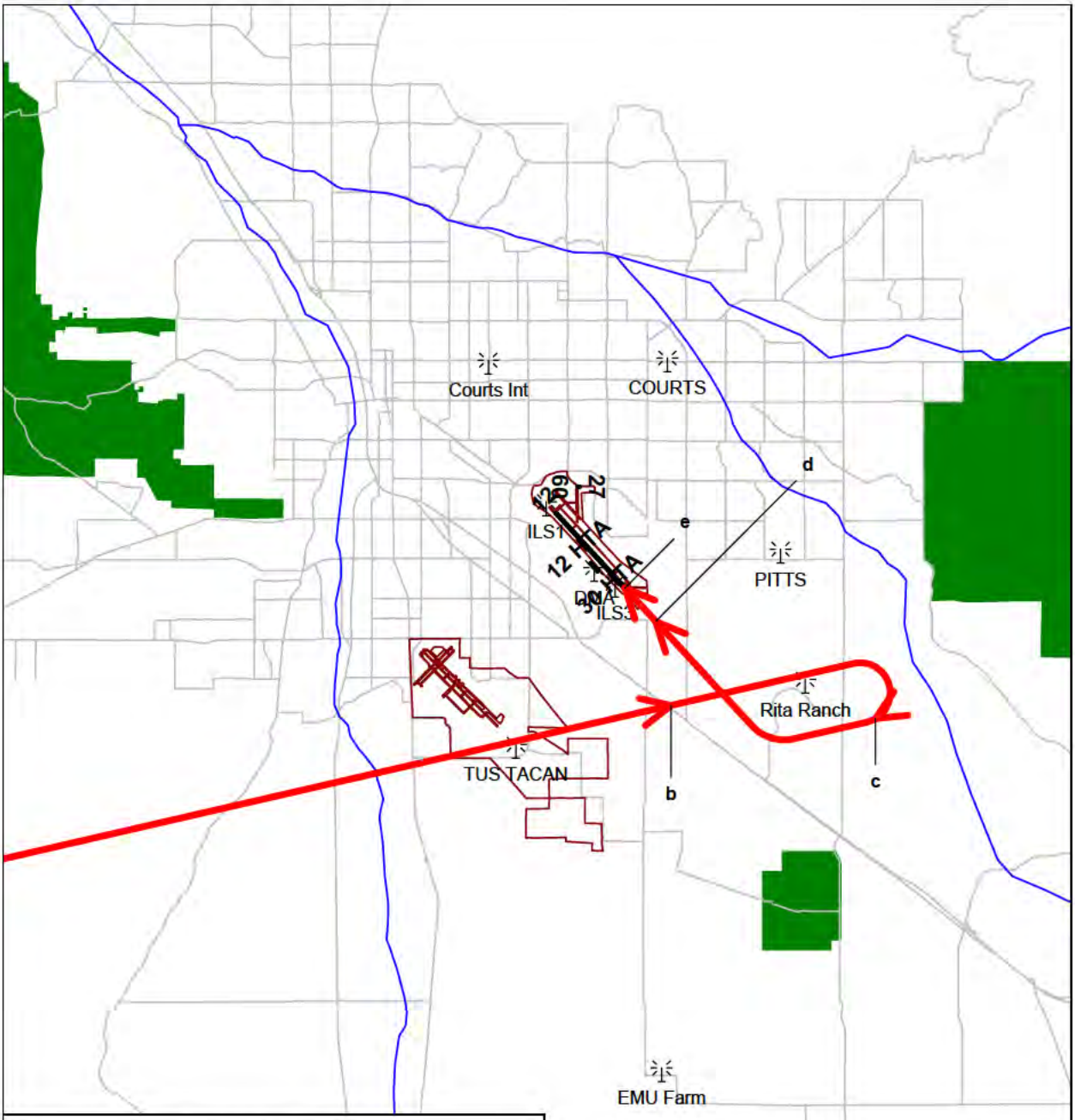
Flight Profile F16-30AD

Davez 1st Ship--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:89,900 (1 inch = 7,490 feet)

N



Flight Profile F16-30AE

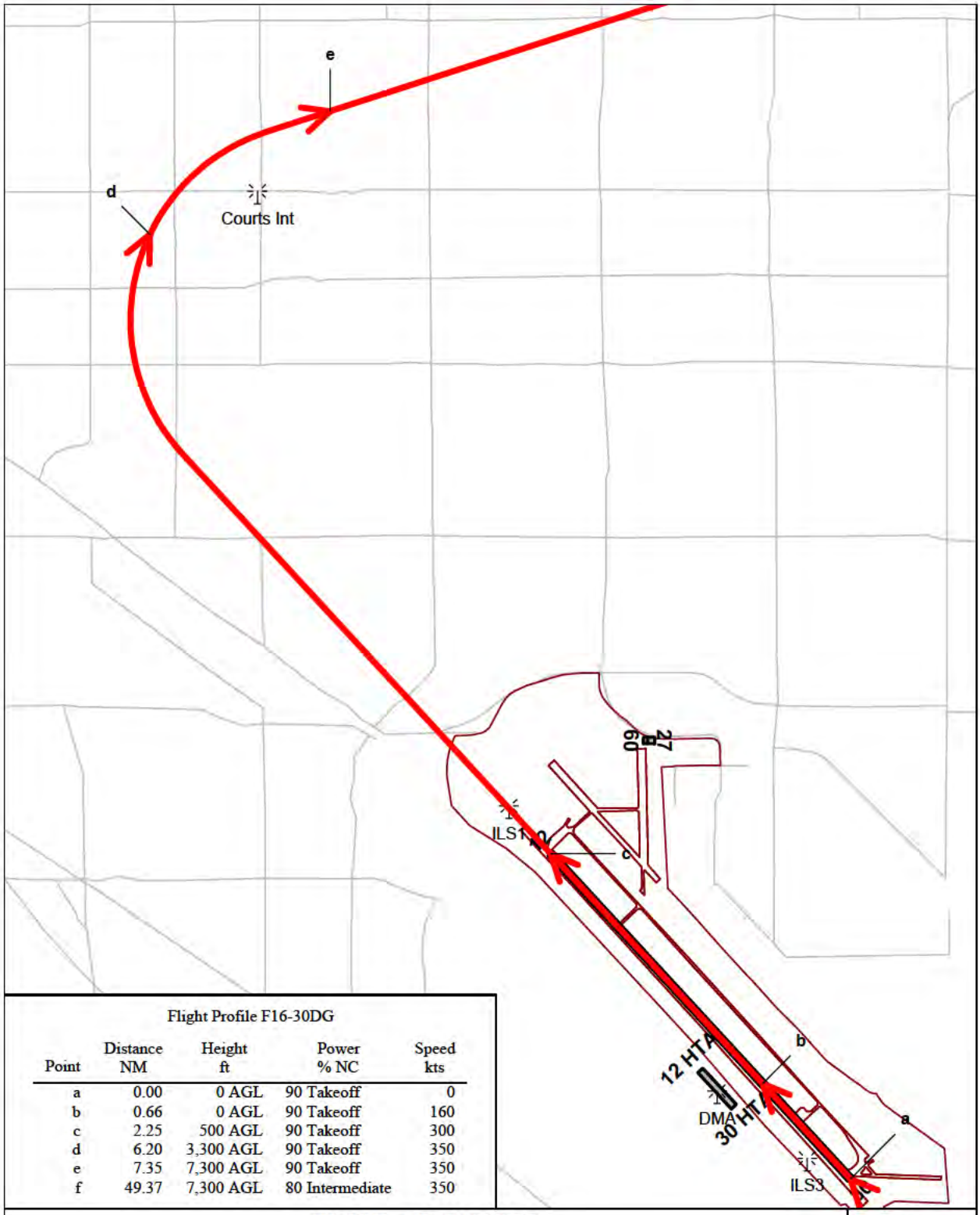
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	9,000 MSL	75 Intermediate	350
b	13.00	1,500 AGL	75 Intermediate	300
c	7.00	1,500 AGL	78 Approach	250
d	1.00	300 AGL	80 Approach	180
e	0.00	50 AGL	80 Approach	150

Flight Profile F16-30AE
HUNG--Snowbird

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:264,000 (1 inch = 22,000 feet)

N



Flight Profile F16-30DG

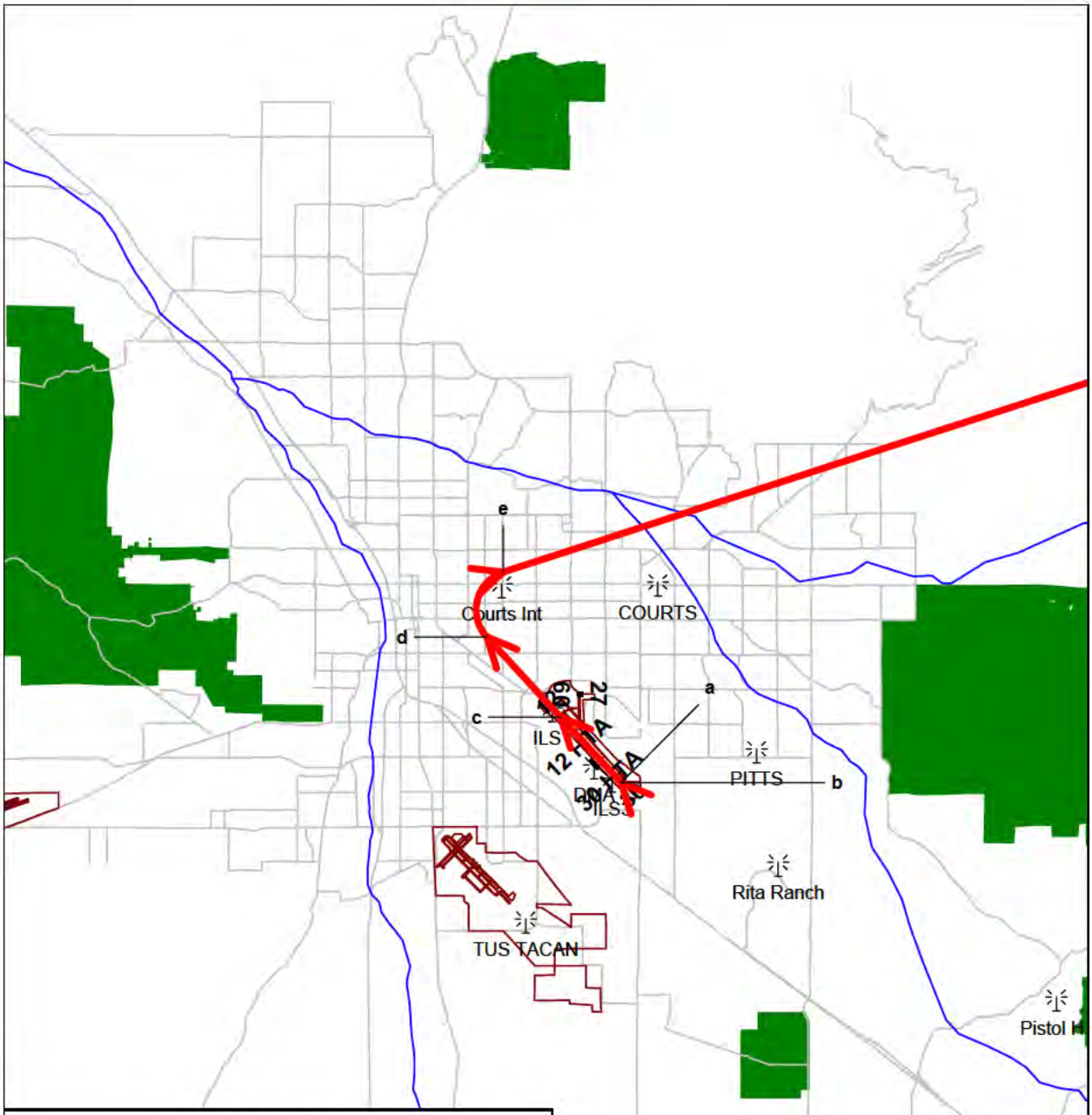
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.66	0 AGL	90 Takeoff	160
c	2.25	500 AGL	90 Takeoff	300
d	6.20	3,300 AGL	90 Takeoff	350
e	7.35	7,300 AGL	90 Takeoff	350
f	49.37	7,300 AGL	80 Intermediate	350

Flight Profile F16-30DG
Reddy--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:55,500 (1 inch = 4,620 feet)

N



Flight Profile F16-30DH

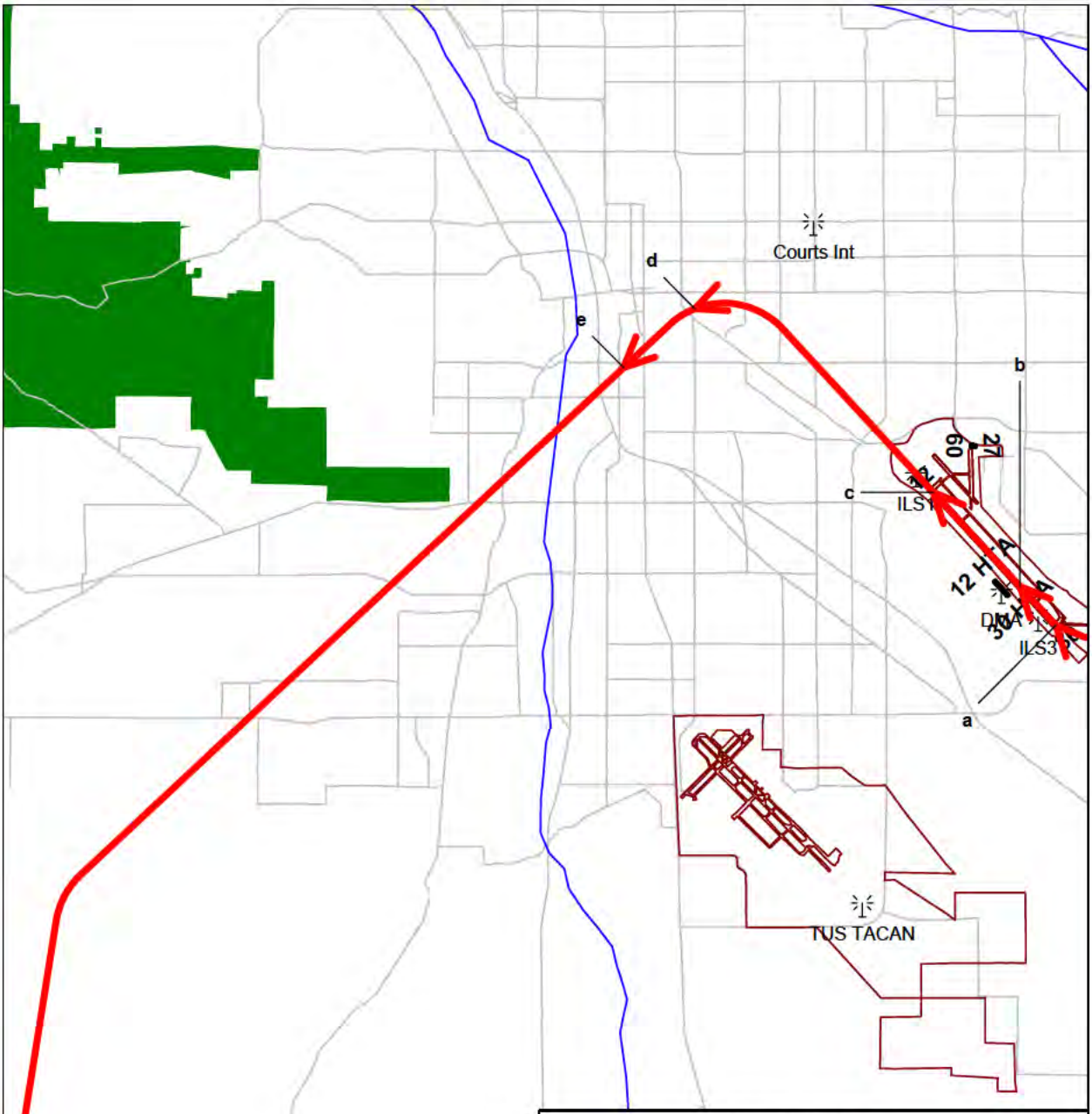
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	92 Afterburner	160
c	2.25	500 AGL	90 Takeoff	250
d	5.00	4,300 AGL	90 Takeoff	250
e	7.00	7,300 AGL	90 Takeoff	300
f	45.00	7,300 AGL	80 Intermediate	300

Flight Profile F16-30DH
Reddy AB Dep--Snowbird

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000 100,000

Scale in Feet 1:308,000 (1 inch = 25,600 feet)

N



Flight Profile F16-30DI

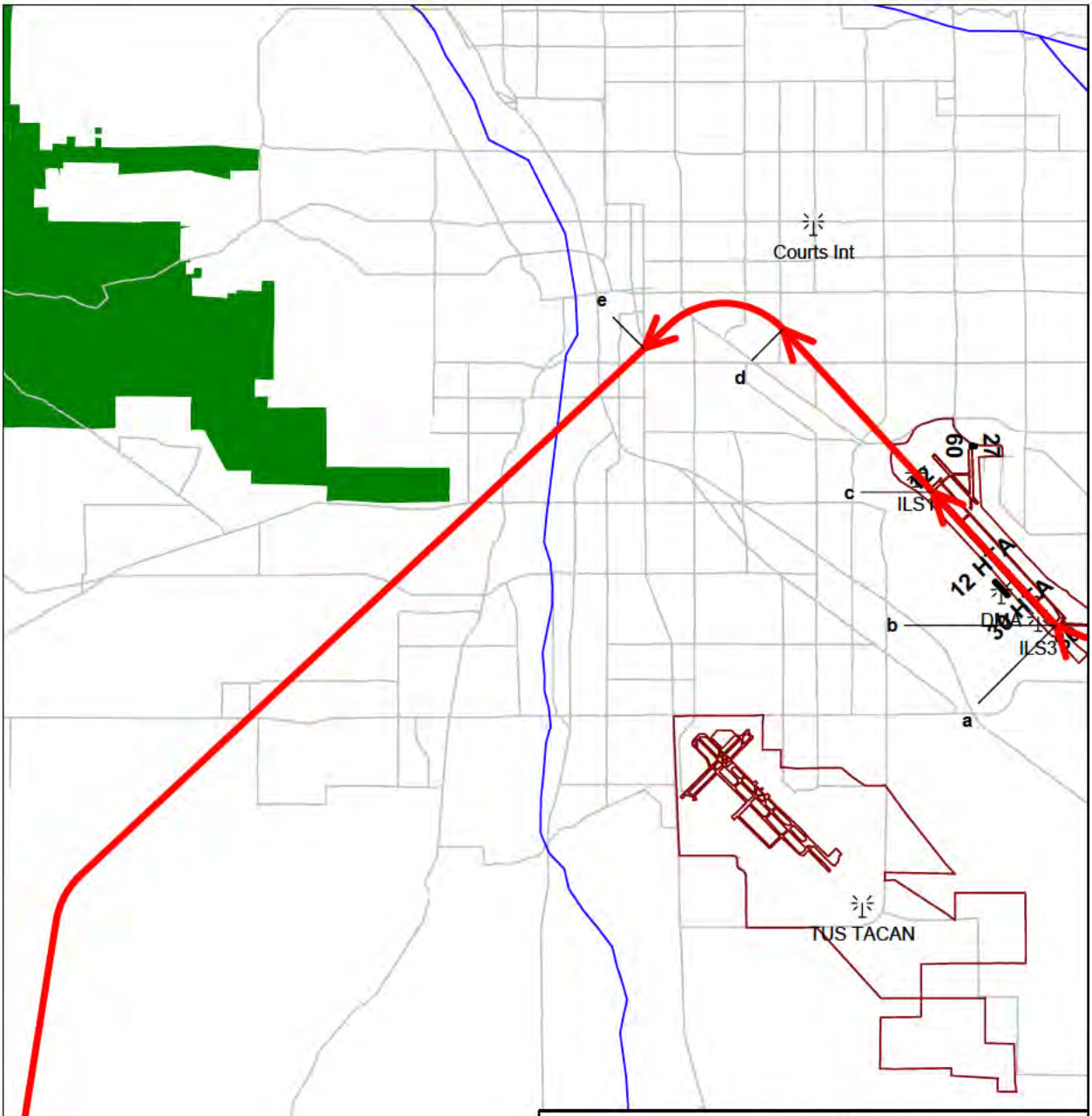
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.66	0 AGL	90 Takeoff	160
c	2.25	500 AGL	90 Takeoff	300
d	6.20	3,300 AGL	90 Takeoff	350
e	7.35	7,300 AGL	90 Takeoff	350
f	49.37	7,300 AGL	80 Intermediate	350

Flight Profile F16-30DI
Tubac--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:151,000 (1 inch = 12,600 feet)

N



Flight Profile F16-30DJ

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	92 Afterburner	160
c	2.25	500 AGL	90 Takeoff	250
d	5.00	4,300 AGL	90 Takeoff	250
e	7.00	7,300 AGL	90 Takeoff	300
f	45.00	7,300 AGL	80 Intermediate	300

Flight Profile F16-30DJ
Tubac AB Dep--Snowbird

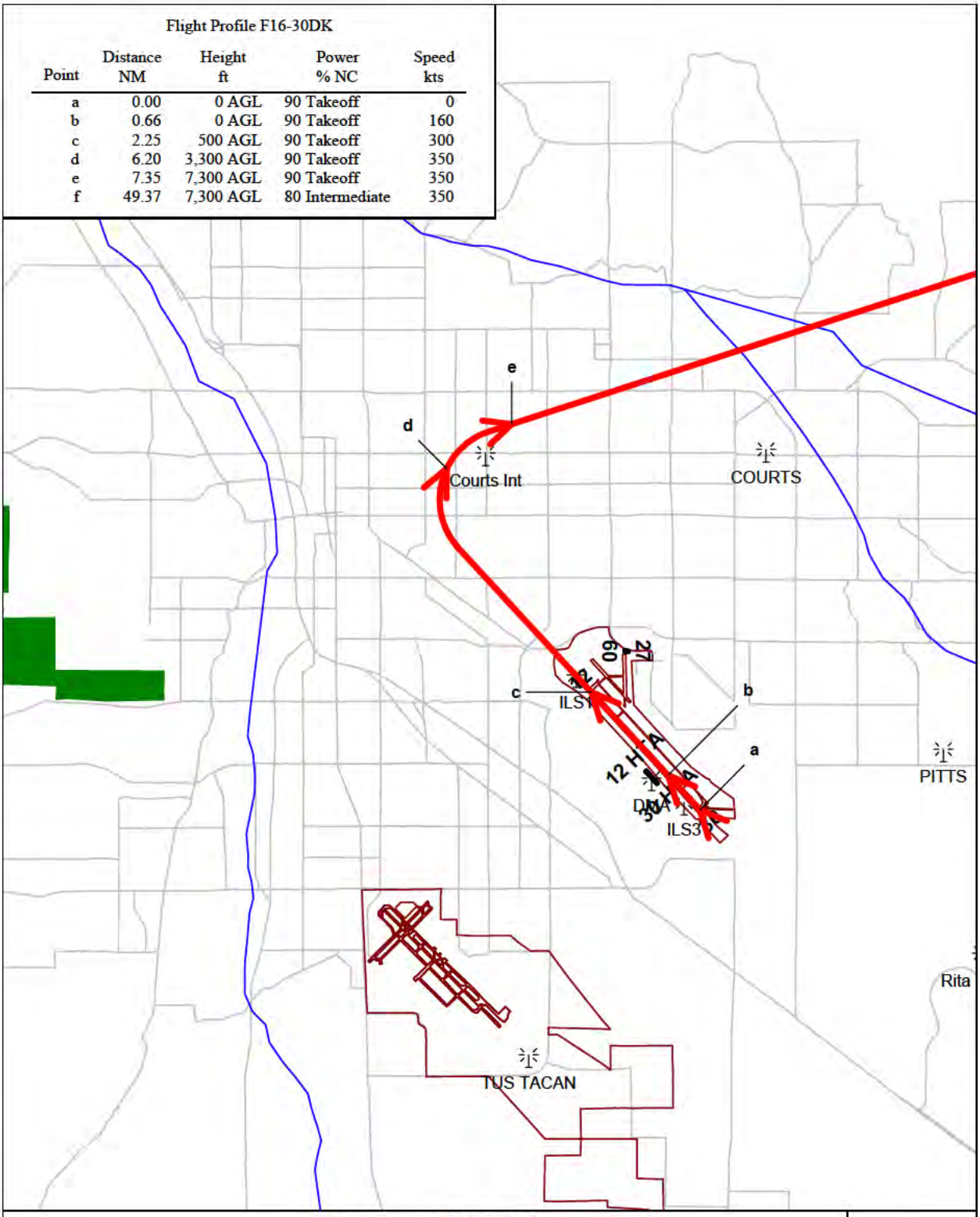
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:151,000 (1 inch = 12,600 feet)

N

Flight Profile F16-30DK

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.66	0 AGL	90 Takeoff	160
c	2.25	500 AGL	90 Takeoff	300
d	6.20	3,300 AGL	90 Takeoff	350
e	7.35	7,300 AGL	90 Takeoff	350
f	49.37	7,300 AGL	80 Intermediate	350

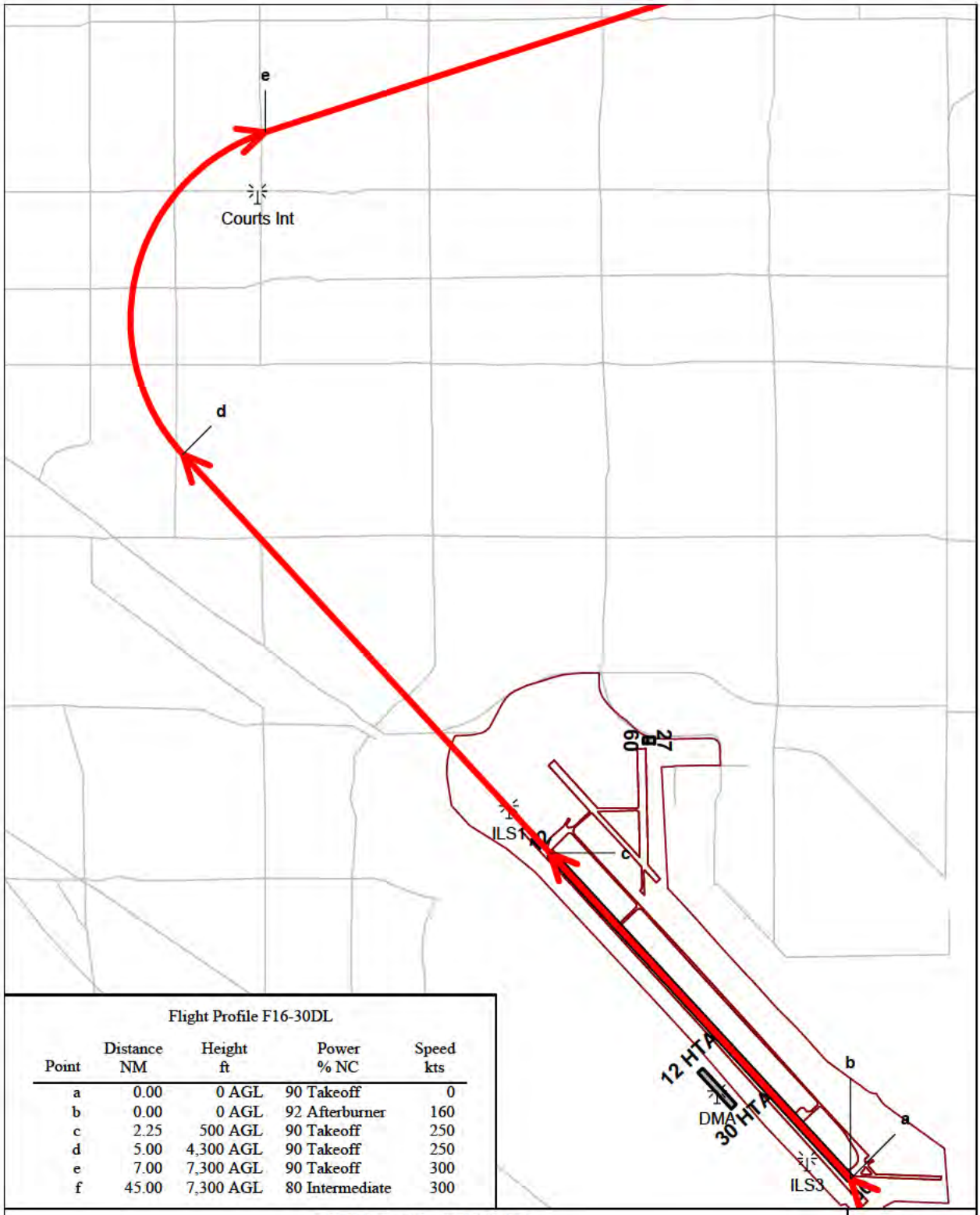


Flight Profile F16-30DK
Jackal--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:154,000 (1 inch = 12,800 feet)

N



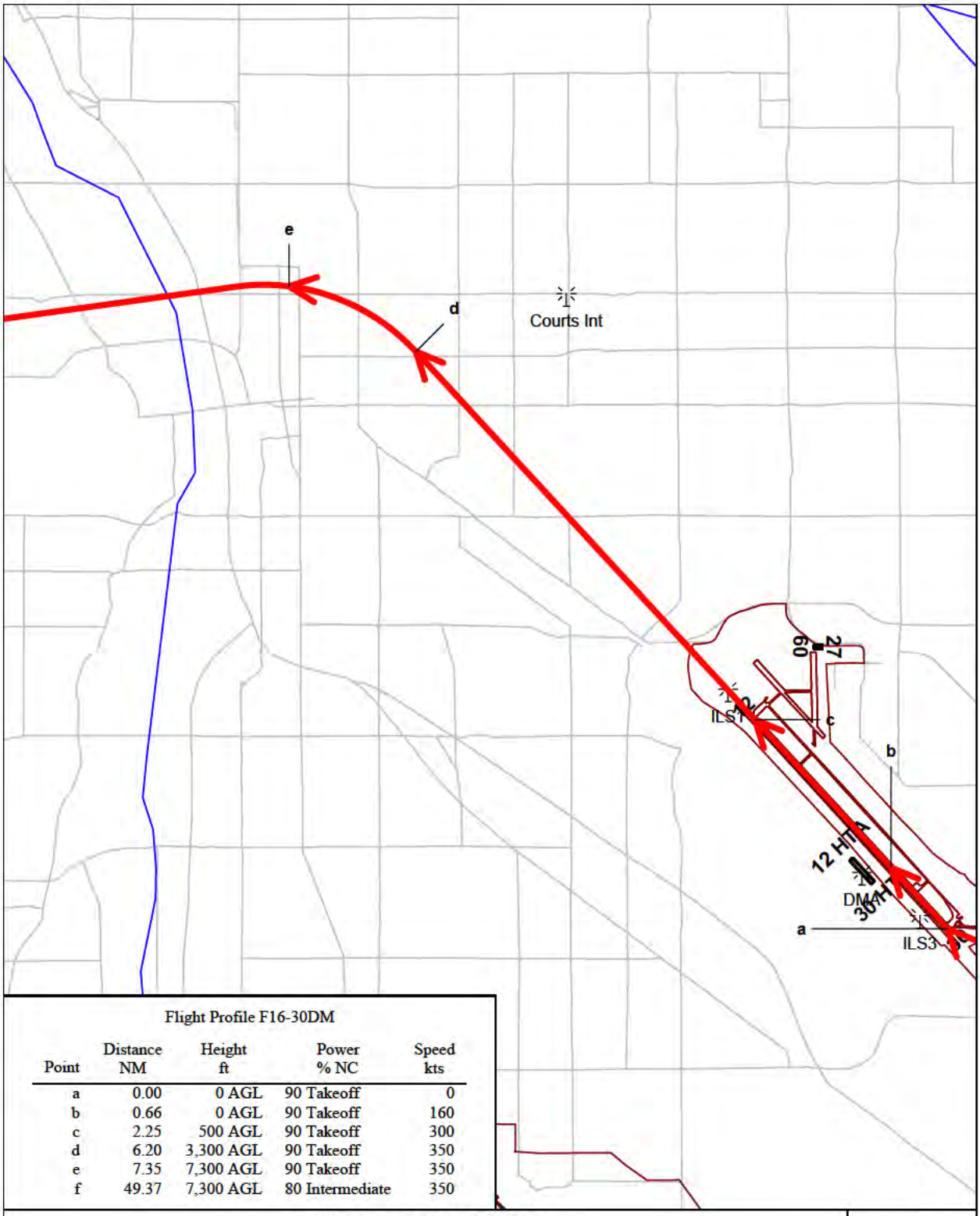
Flight Profile F16-30DL

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	92 Afterburner	160
c	2.25	500 AGL	90 Takeoff	250
d	5.00	4,300 AGL	90 Takeoff	250
e	7.00	7,300 AGL	90 Takeoff	300
f	45.00	7,300 AGL	80 Intermediate	300

Flight Profile F16-30DL
Jackal AB Dep--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:55,500 (1 inch = 4,620 feet)



Flight Profile F16-30DM

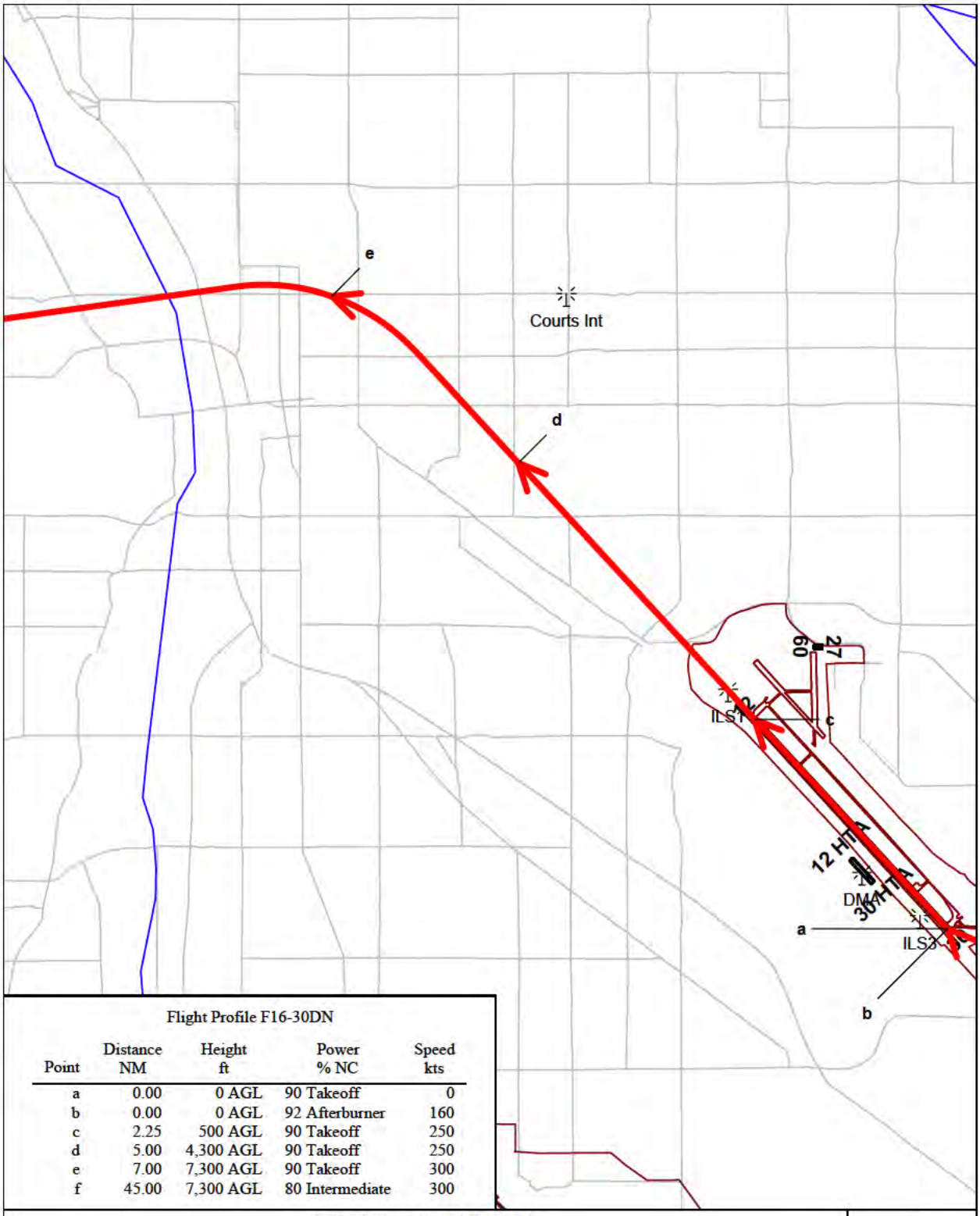
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.66	0 AGL	90 Takeoff	160
c	2.25	500 AGL	90 Takeoff	300
d	6.20	3,300 AGL	90 Takeoff	350
e	7.35	7,300 AGL	90 Takeoff	350
f	49.37	7,300 AGL	80 Intermediate	350

Flight Profile F16-30DM
Sells--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:86,400 (1 inch = 7,200 feet)

N



Flight Profile F16-30DN

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	92 Afterburner	160
c	2.25	500 AGL	90 Takeoff	250
d	5.00	4,300 AGL	90 Takeoff	250
e	7.00	7,300 AGL	90 Takeoff	300
f	45.00	7,300 AGL	80 Intermediate	300

Flight Profile F16-30DN
Sells AB Dep--Snowbird

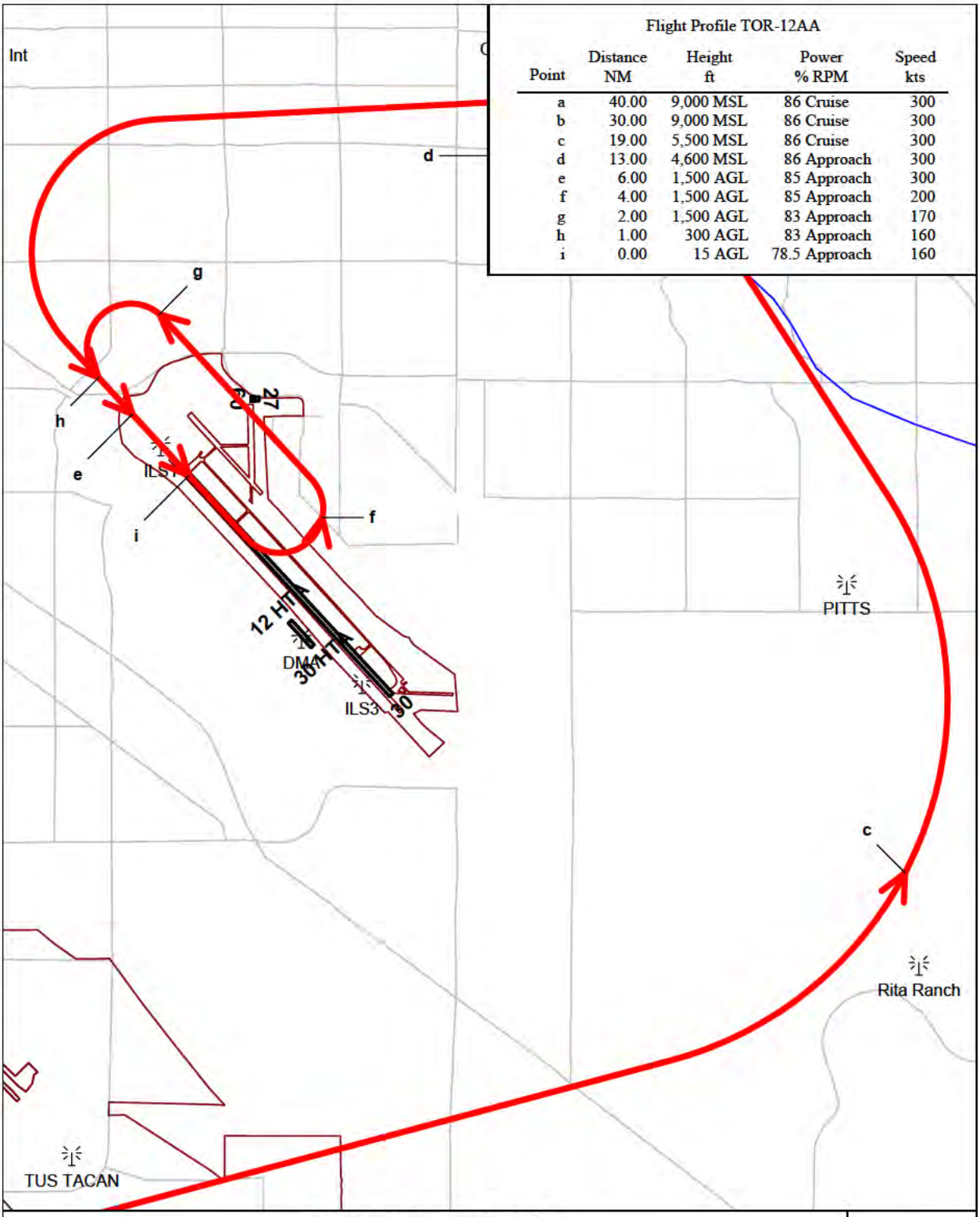
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:86,400 (1 inch = 7,200 feet)

N

Flight Profile TOR-12AA

Point	Distance NM	Height ft	Power % RPM	Speed kts
a	40.00	9,000 MSL	86 Cruise	300
b	30.00	9,000 MSL	86 Cruise	300
c	19.00	5,500 MSL	86 Cruise	300
d	13.00	4,600 MSL	86 Approach	300
e	6.00	1,500 AGL	85 Approach	300
f	4.00	1,500 AGL	85 Approach	200
g	2.00	1,500 AGL	83 Approach	170
h	1.00	300 AGL	83 Approach	160
i	0.00	15 AGL	78.5 Approach	160

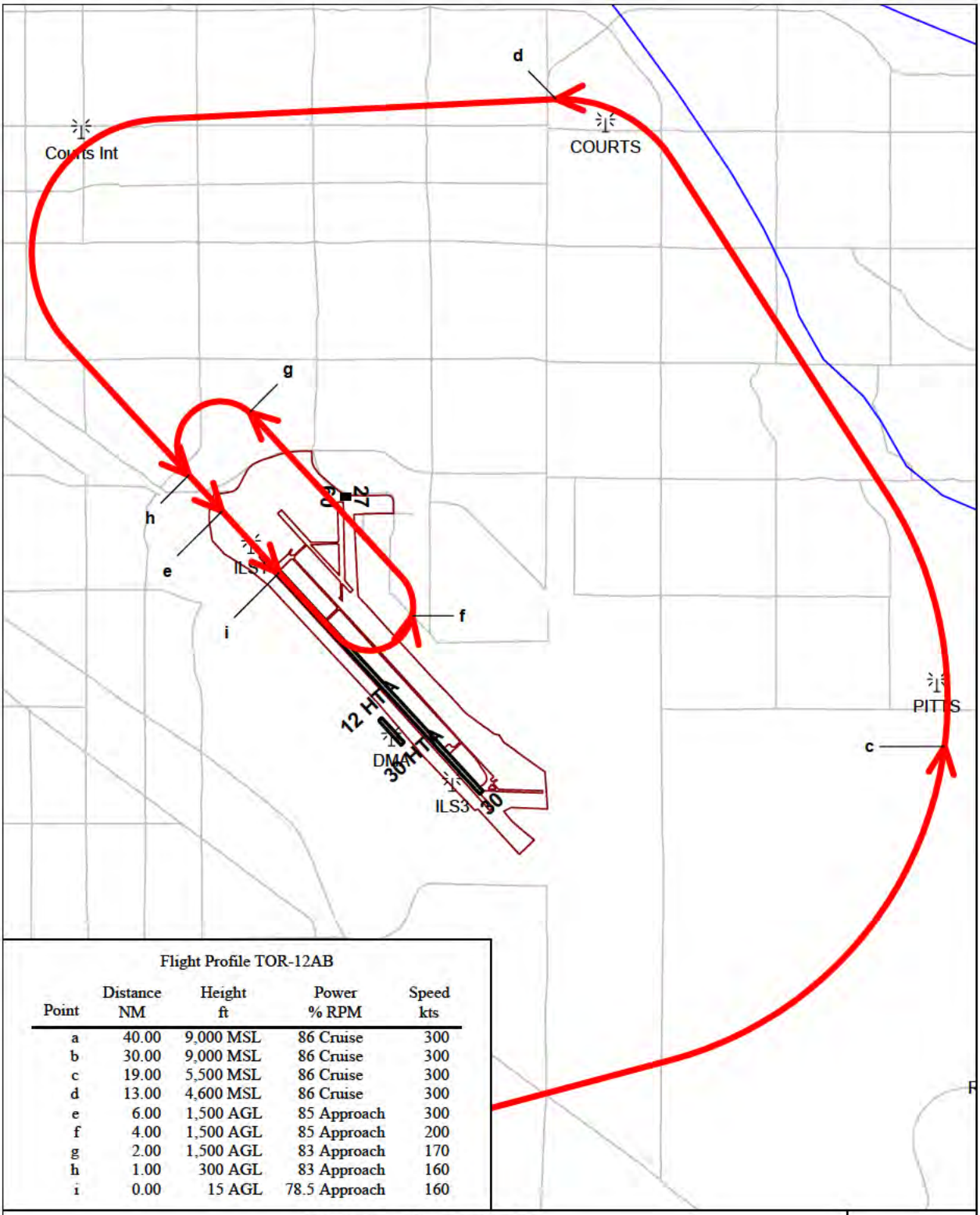


Flight Profile TOR-12AA
DAVIS RECOVERY 1st SHIP--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:82,300 (1 inch = 6,860 feet)

N



Flight Profile TOR-12AB

Point	Distance NM	Height ft	Power % RPM	Speed kts
a	40.00	9,000 MSL	86 Cruise	300
b	30.00	9,000 MSL	86 Cruise	300
c	19.00	5,500 MSL	86 Cruise	300
d	13.00	4,600 MSL	86 Cruise	300
e	6.00	1,500 AGL	85 Approach	300
f	4.00	1,500 AGL	85 Approach	200
g	2.00	1,500 AGL	83 Approach	170
h	1.00	300 AGL	83 Approach	160
i	0.00	15 AGL	78.5 Approach	160

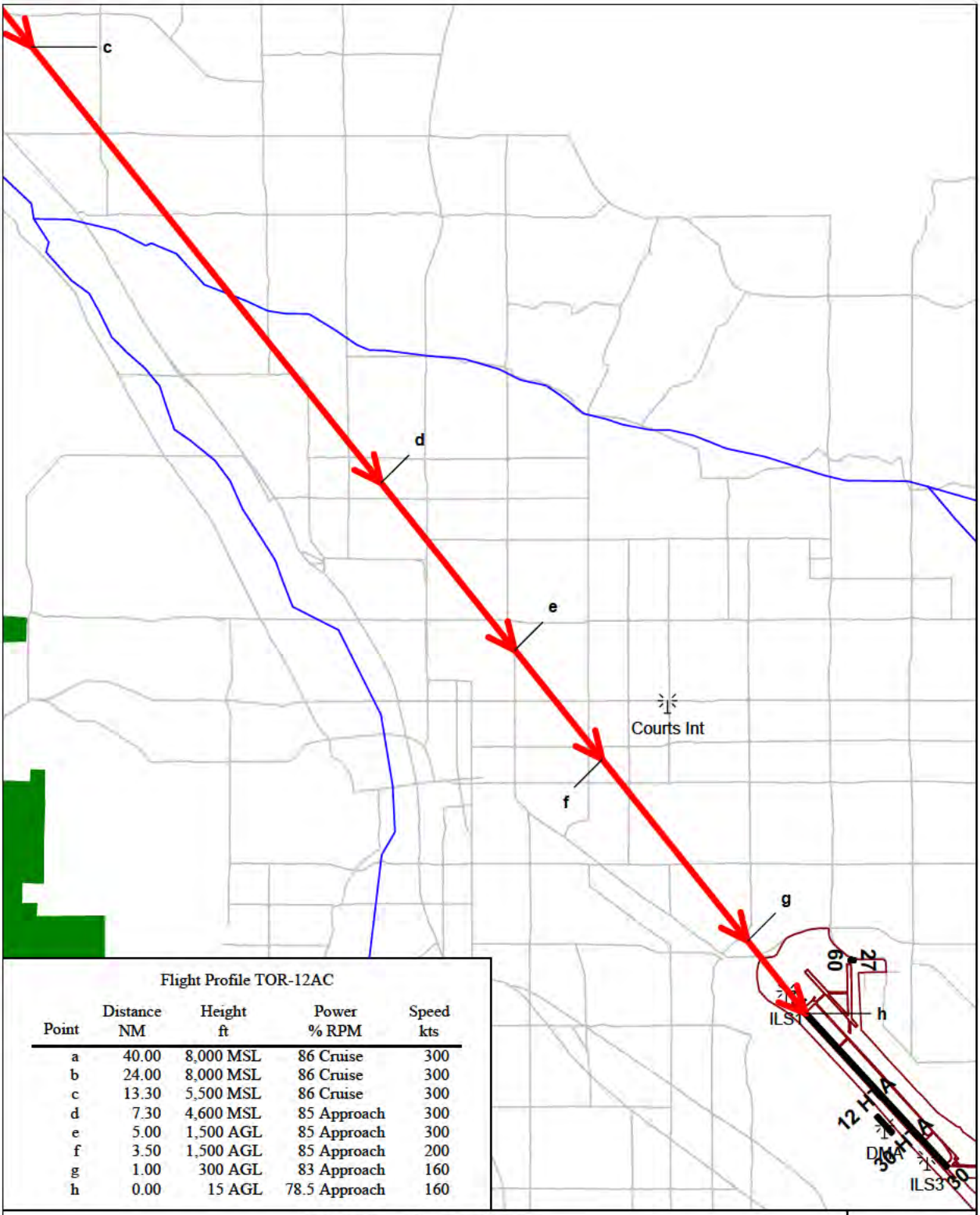
Flight Profile TOR-12AB

DAVIS RECOVERY 2nd SHIP--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:82,300 (1 inch = 6,860 feet)

N



Flight Profile TOR-12AC

Point	Distance NM	Height ft	Power % RPM	Speed kts
a	40.00	8,000 MSL	86 Cruise	300
b	24.00	8,000 MSL	86 Cruise	300
c	13.30	5,500 MSL	86 Cruise	300
d	7.30	4,600 MSL	85 Approach	300
e	5.00	1,500 AGL	85 Approach	300
f	3.50	1,500 AGL	85 Approach	200
g	1.00	300 AGL	83 Approach	160
h	0.00	15 AGL	78.5 Approach	160

Flight Profile TOR-12AC
TACAN--Snowbird

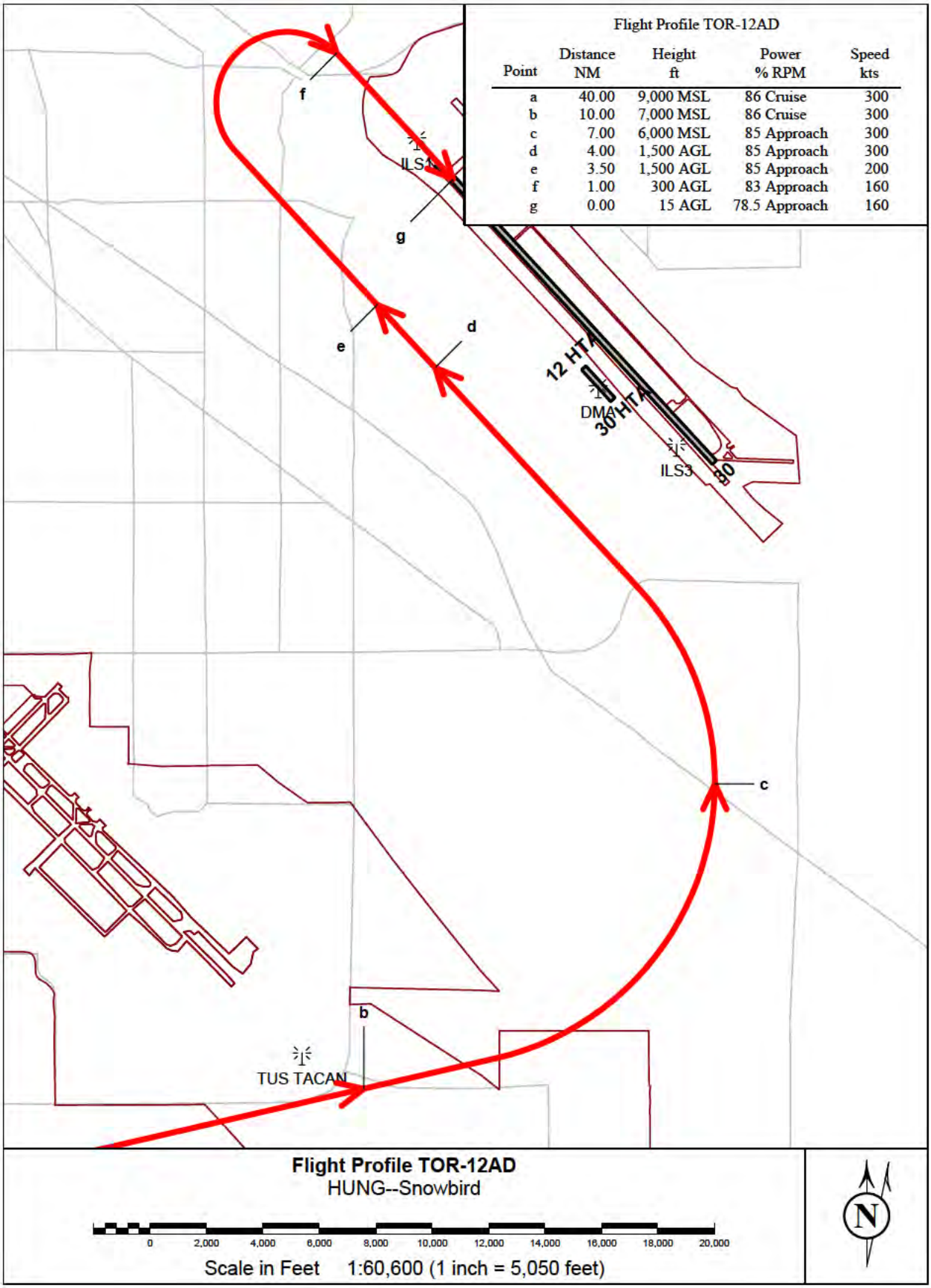
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:118,000 (1 inch = 9,800 feet)

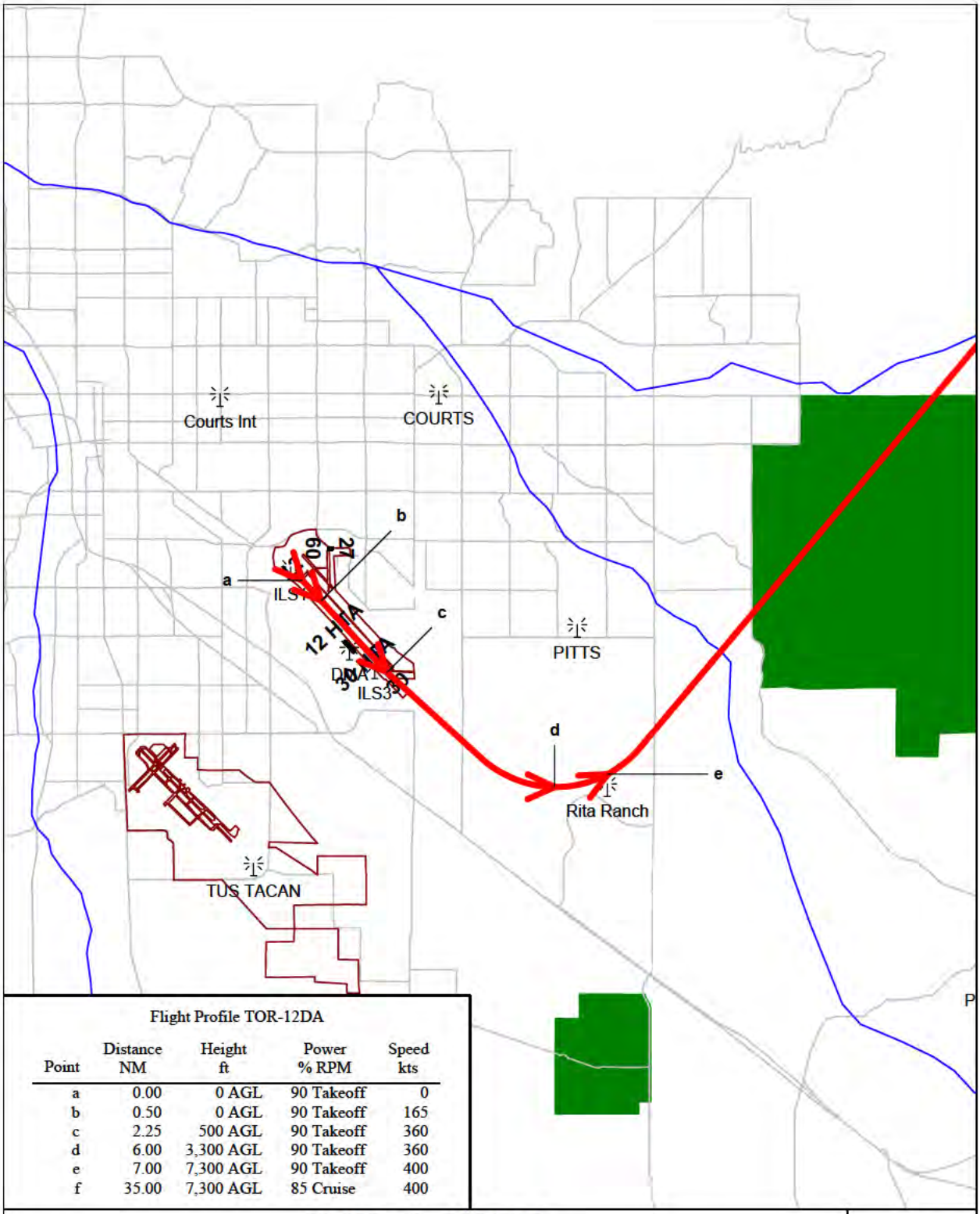
N

Flight Profile TOR-12AD

Point	Distance NM	Height ft	Power % RPM	Speed kts
a	40.00	9,000 MSL	86 Cruise	300
b	10.00	7,000 MSL	86 Cruise	300
c	7.00	6,000 MSL	85 Approach	300
d	4.00	1,500 AGL	85 Approach	300
e	3.50	1,500 AGL	85 Approach	200
f	1.00	300 AGL	83 Approach	160
g	0.00	15 AGL	78.5 Approach	160



Flight Profile TOR-12AD
HUNG--Snowbird



Flight Profile TOR-12DA

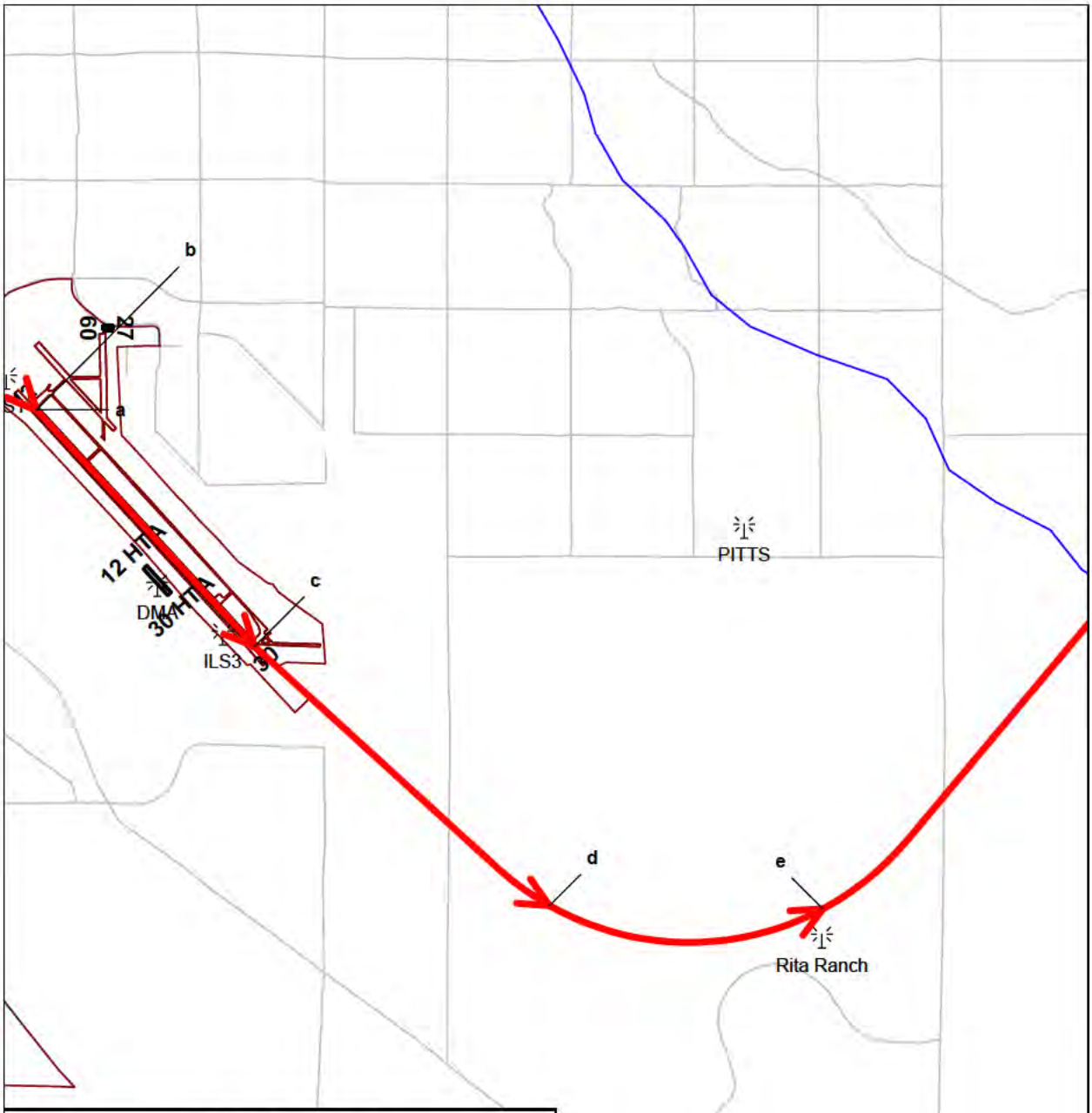
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.50	0 AGL	90 Takeoff	165
c	2.25	500 AGL	90 Takeoff	360
d	6.00	3,300 AGL	90 Takeoff	360
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-12DA
Reddy--Snowbird

0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:197,000 (1 inch = 16,400 feet)

N



Flight Profile TOR-12DB

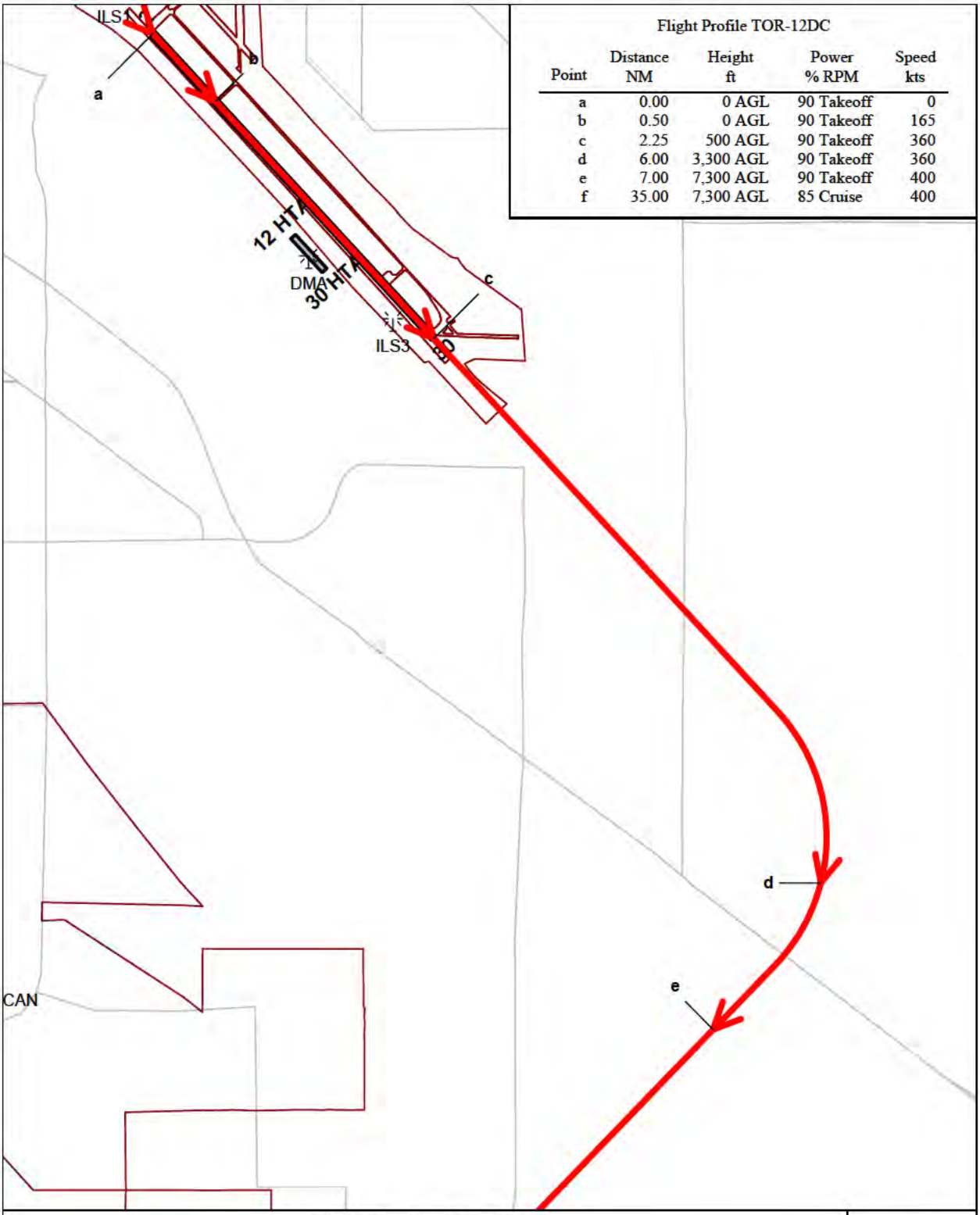
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	100 Afterburner	185
c	2.25	600 AGL	95 Takeoff	360
d	5.00	4,300 AGL	90 Takeoff	400
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-12DB
Reddy AB--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:85,200 (1 inch = 7,100 feet)

N



Flight Profile TOR-12DC

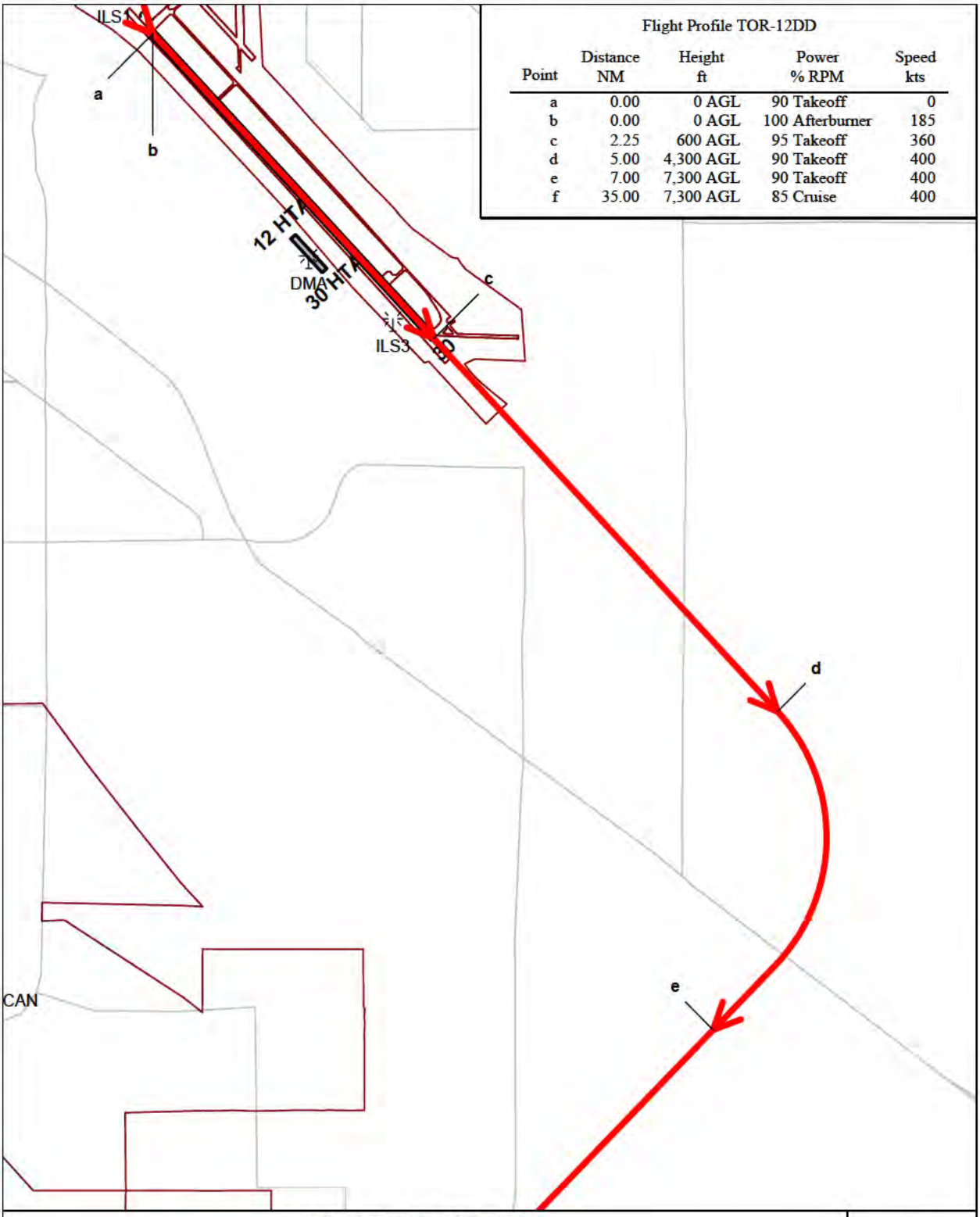
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.50	0 AGL	90 Takeoff	165
c	2.25	500 AGL	90 Takeoff	360
d	6.00	3,300 AGL	90 Takeoff	360
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-12DC
Tubac--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000 20,000

Scale in Feet 1:59,400 (1 inch = 4,950 feet)

N



Flight Profile TOR-12DD

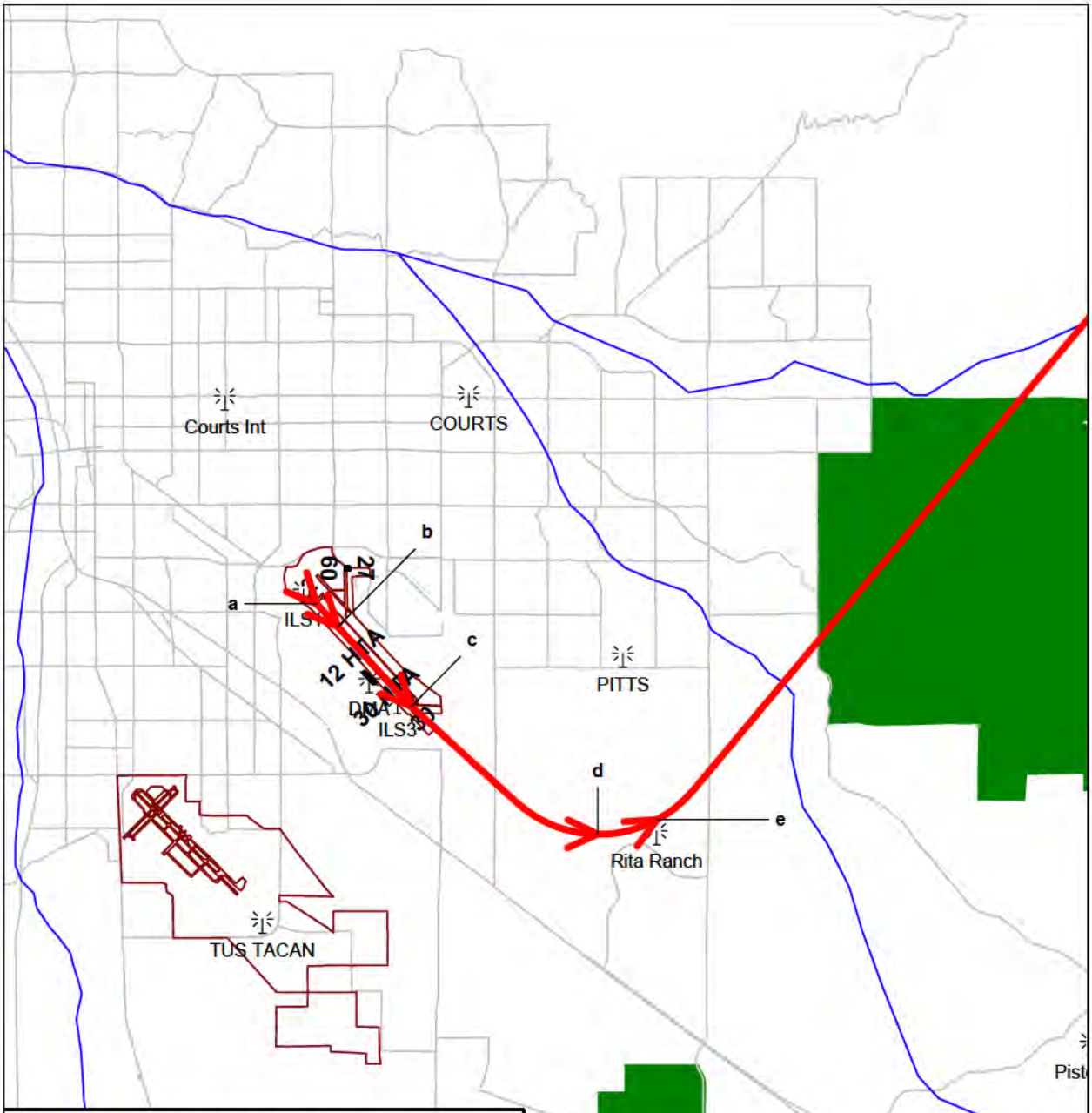
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	100 Afterburner	185
c	2.25	600 AGL	95 Takeoff	360
d	5.00	4,300 AGL	90 Takeoff	400
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-12DD
Tubac AB--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000 20,000

Scale in Feet 1:59,400 (1 inch = 4,950 feet)

N



Flight Profile TOR-12DE

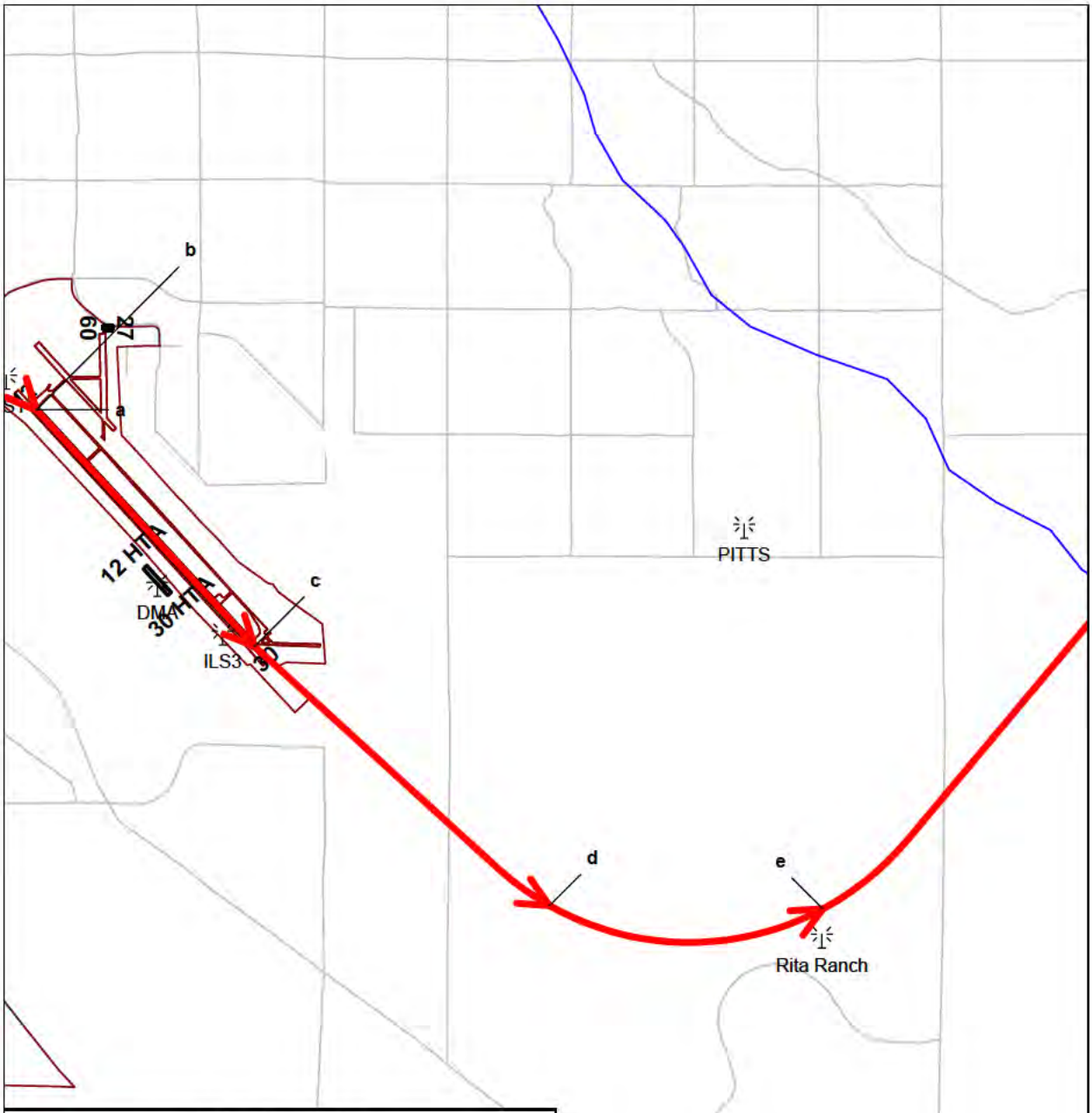
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.50	0 AGL	90 Takeoff	165
c	2.25	500 AGL	90 Takeoff	360
d	6.00	3,300 AGL	90 Takeoff	360
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-12DE
Jackal--Snowbird

0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:197,000 (1 inch = 16,400 feet)

N



Flight Profile TOR-12DF

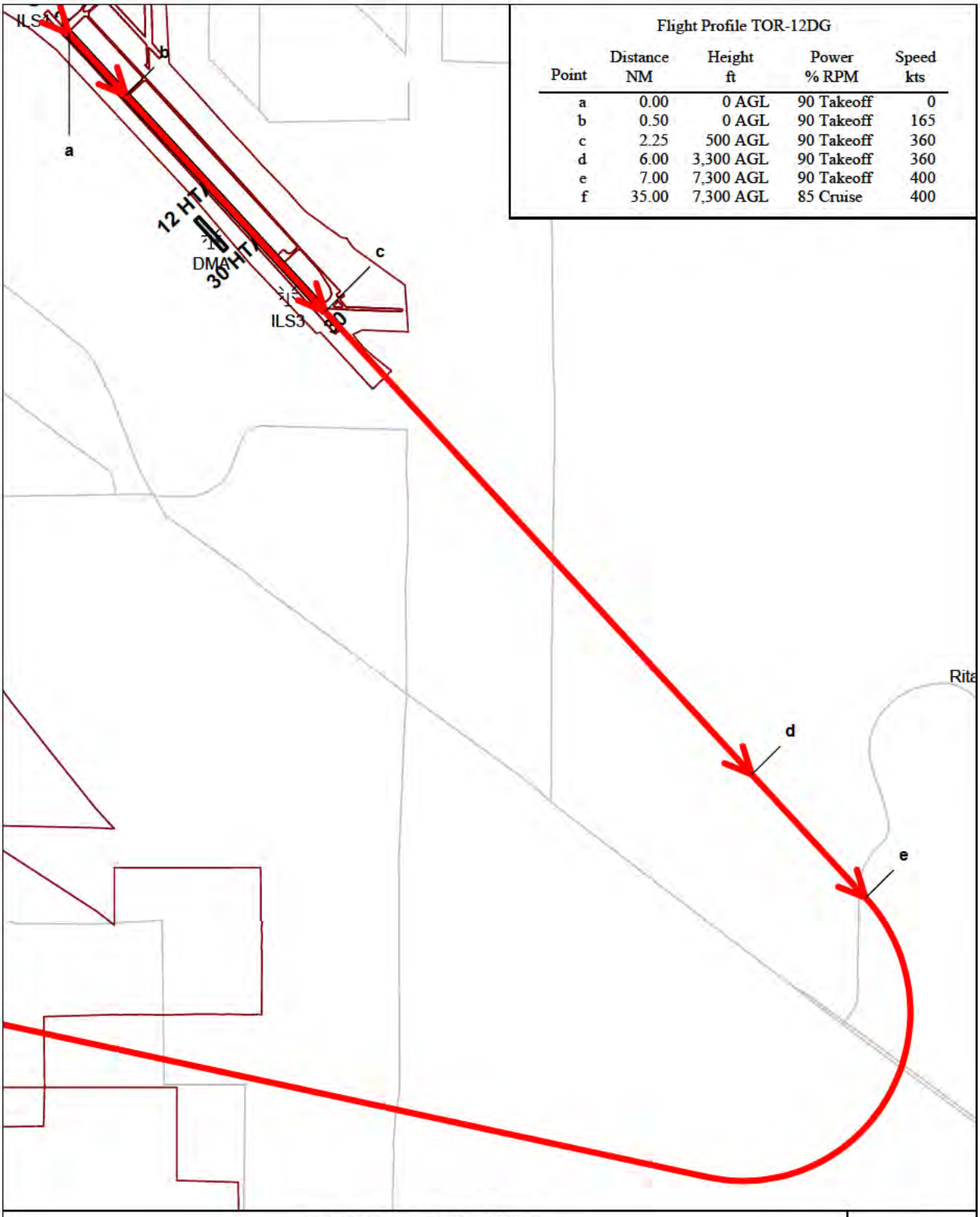
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	100 Afterburner	185
c	2.25	600 AGL	95 Takeoff	360
d	5.00	4,300 AGL	90 Takeoff	400
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-12DF
Jackal AB--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:85,200 (1 inch = 7,100 feet)

N



Flight Profile TOR-12DG

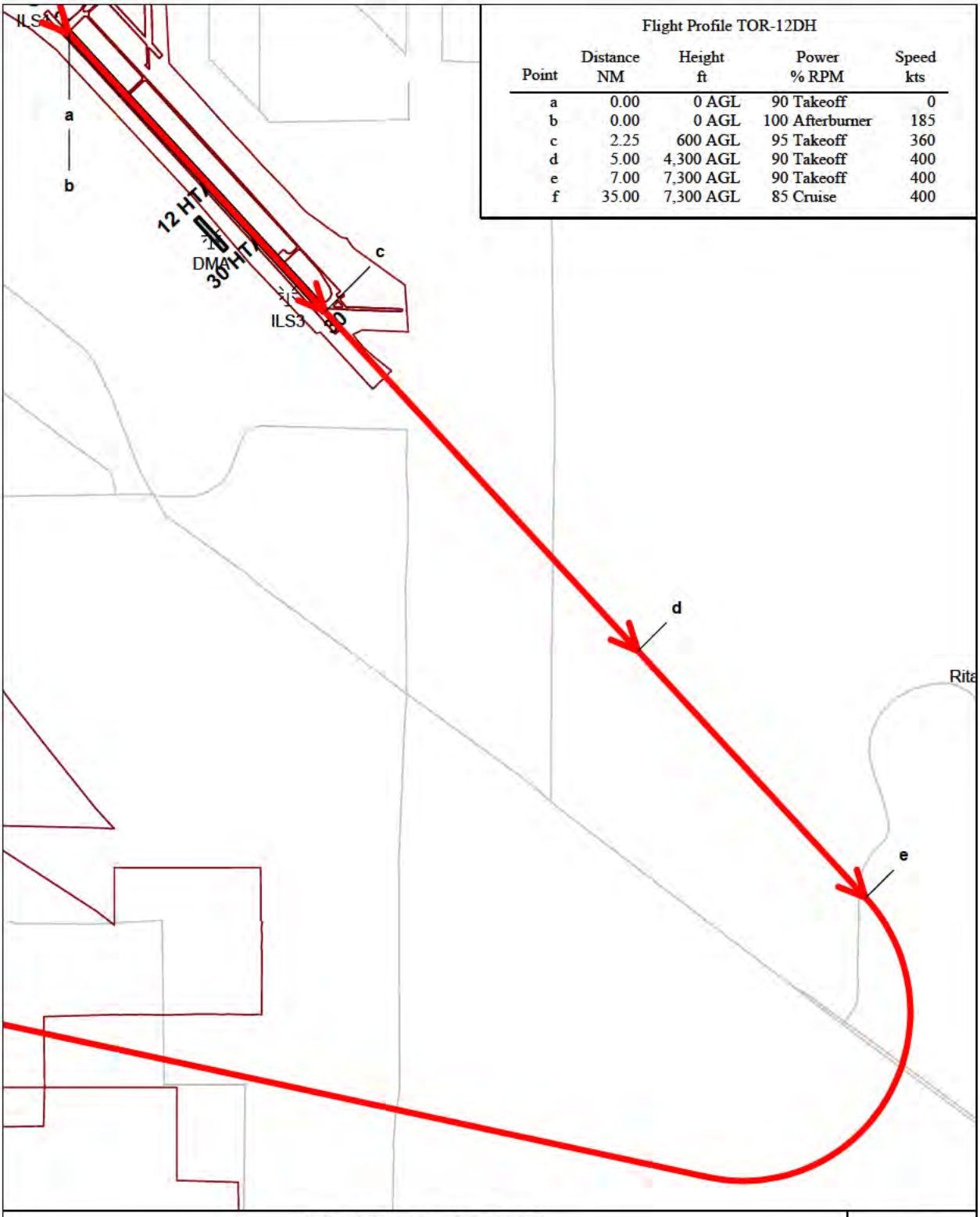
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.50	0 AGL	90 Takeoff	165
c	2.25	500 AGL	90 Takeoff	360
d	6.00	3,300 AGL	90 Takeoff	360
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-12DG
Sells--Snowbird

0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:65,200 (1 inch = 5,440 feet)

N



Flight Profile TOR-12DH

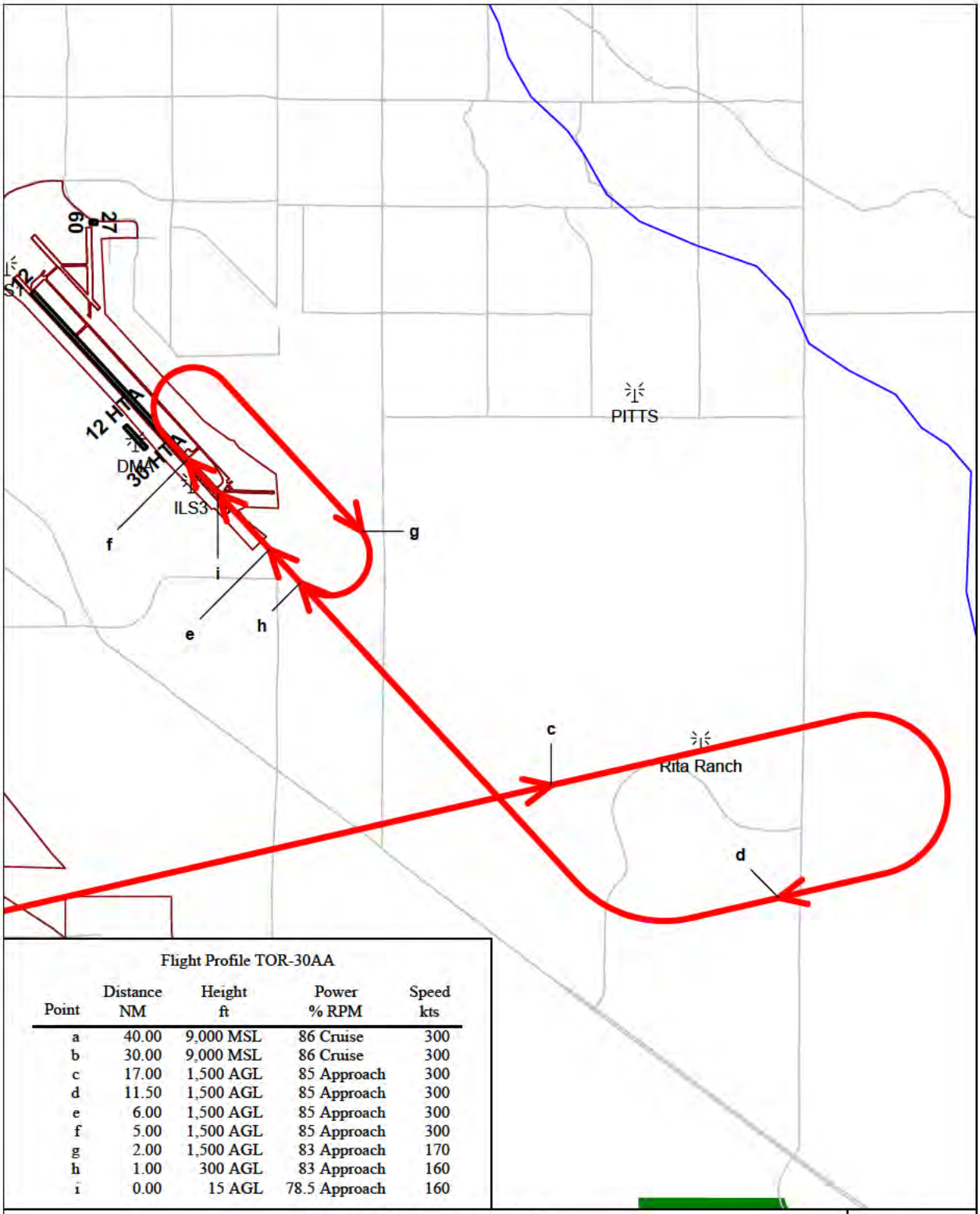
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	100 Afterburner	185
c	2.25	600 AGL	95 Takeoff	360
d	5.00	4,300 AGL	90 Takeoff	400
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-12DH
Sells AB--Snowbird

0 4,000 8,000 12,000 16,000 20,000

Scale in Feet 1:65,200 (1 inch = 5,440 feet)

N



Flight Profile TOR-30AA

Point	Distance NM	Height ft	Power % RPM	Speed kts
a	40.00	9,000 MSL	86 Cruise	300
b	30.00	9,000 MSL	86 Cruise	300
c	17.00	1,500 AGL	85 Approach	300
d	11.50	1,500 AGL	85 Approach	300
e	6.00	1,500 AGL	85 Approach	300
f	5.00	1,500 AGL	85 Approach	300
g	2.00	1,500 AGL	83 Approach	170
h	1.00	300 AGL	83 Approach	160
i	0.00	15 AGL	78.5 Approach	160

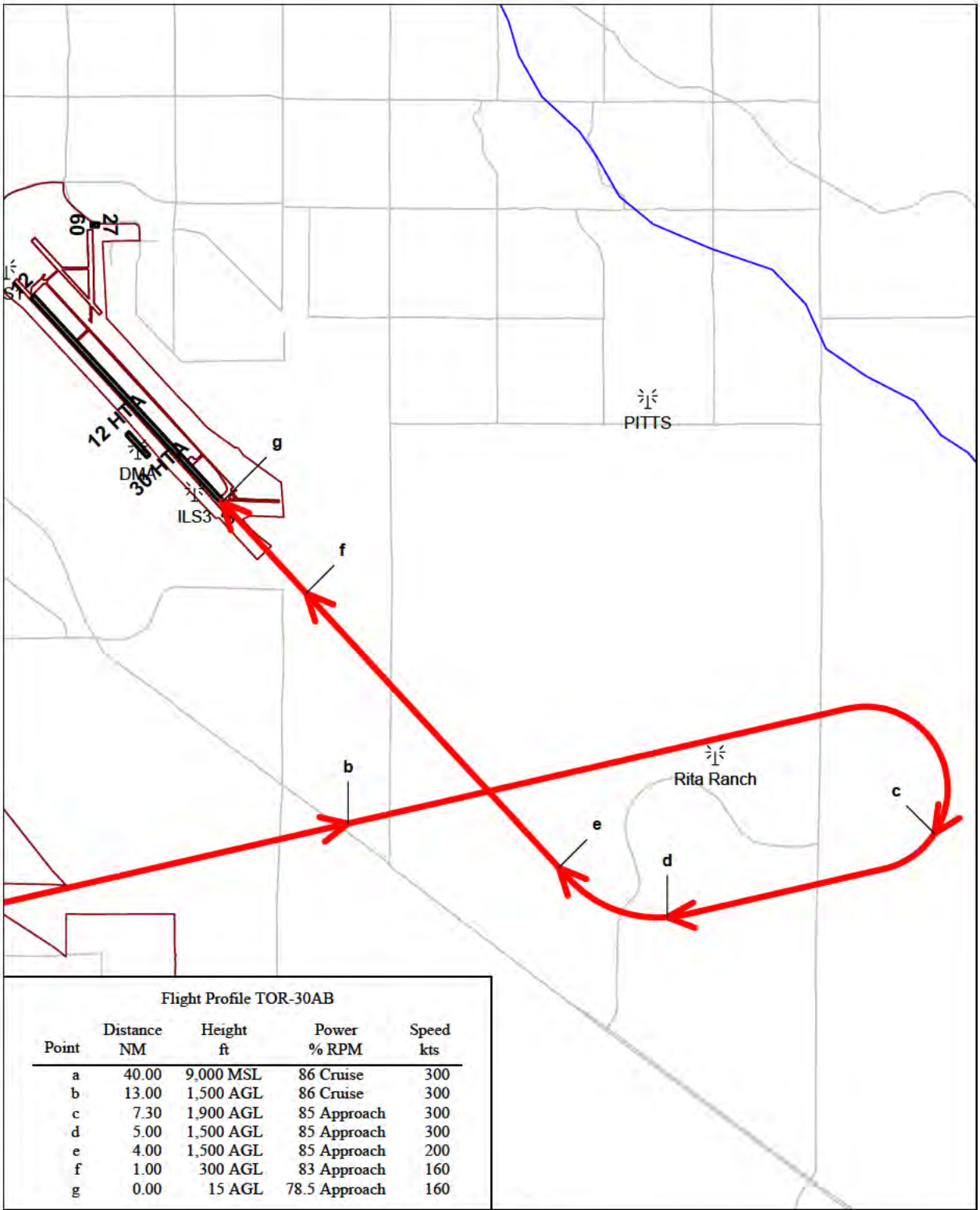
Flight Profile TOR-30AA

DAVIS RECOVERY 1st SHIP--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:89,900 (1 inch = 7,490 feet)

N



Flight Profile TOR-30AB

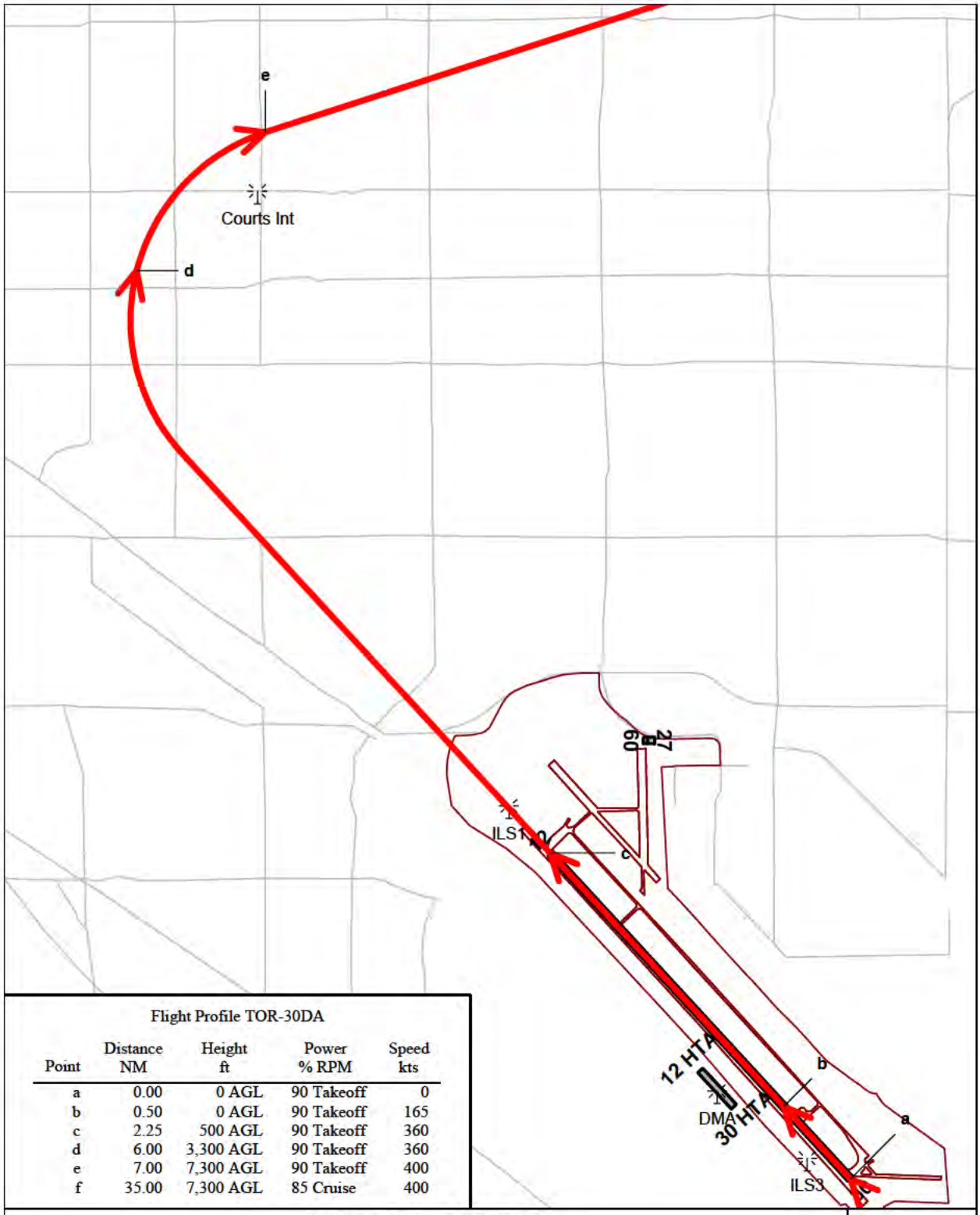
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	40.00	9,000 MSL	86 Cruise	300
b	13.00	1,500 AGL	86 Cruise	300
c	7.30	1,900 AGL	85 Approach	300
d	5.00	1,500 AGL	85 Approach	300
e	4.00	1,500 AGL	85 Approach	200
f	1.00	300 AGL	83 Approach	160
g	0.00	15 AGL	78.5 Approach	160

Flight Profile TOR-30AB
HUNG--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:88,000 (1 inch = 7,330 feet)

N



Flight Profile TOR-30DA

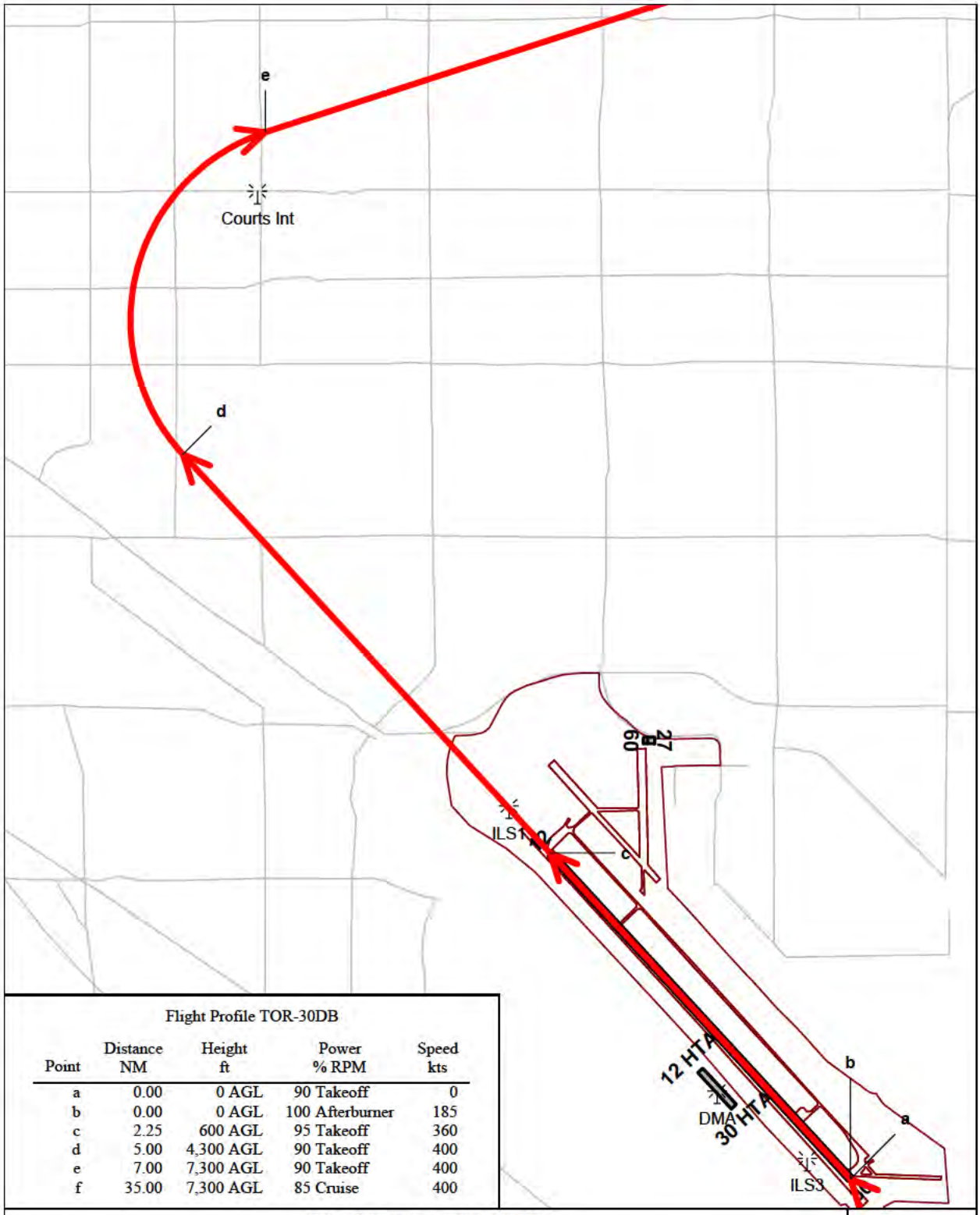
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.50	0 AGL	90 Takeoff	165
c	2.25	500 AGL	90 Takeoff	360
d	6.00	3,300 AGL	90 Takeoff	360
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-30DA
Reddy--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:55,500 (1 inch = 4,620 feet)

N



Flight Profile TOR-30DB

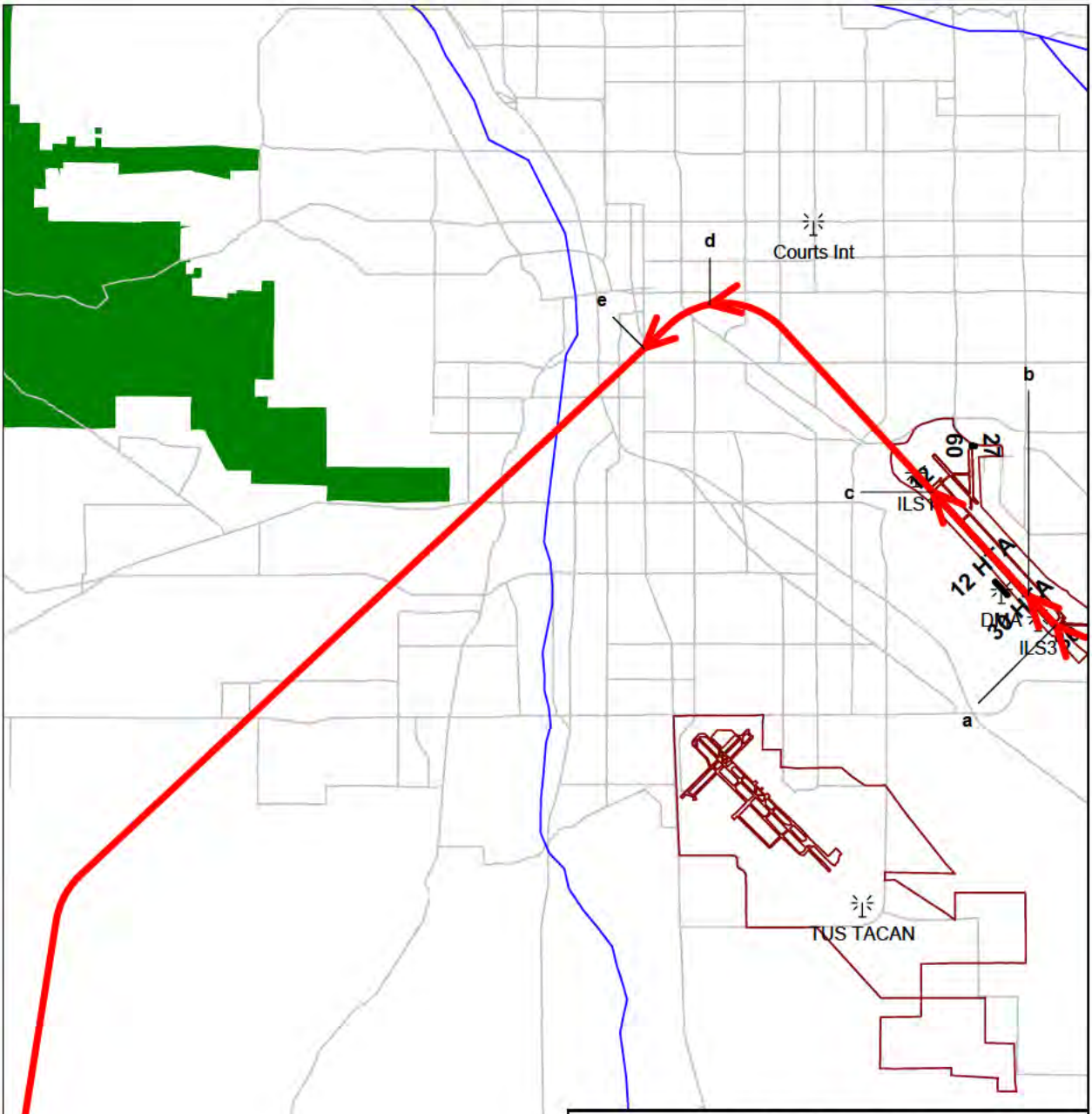
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	100 Afterburner	185
c	2.25	600 AGL	95 Takeoff	360
d	5.00	4,300 AGL	90 Takeoff	400
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-30DB
Reddy AB--Snowbird

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:55,500 (1 inch = 4,620 feet)

N



Flight Profile TOR-30DC

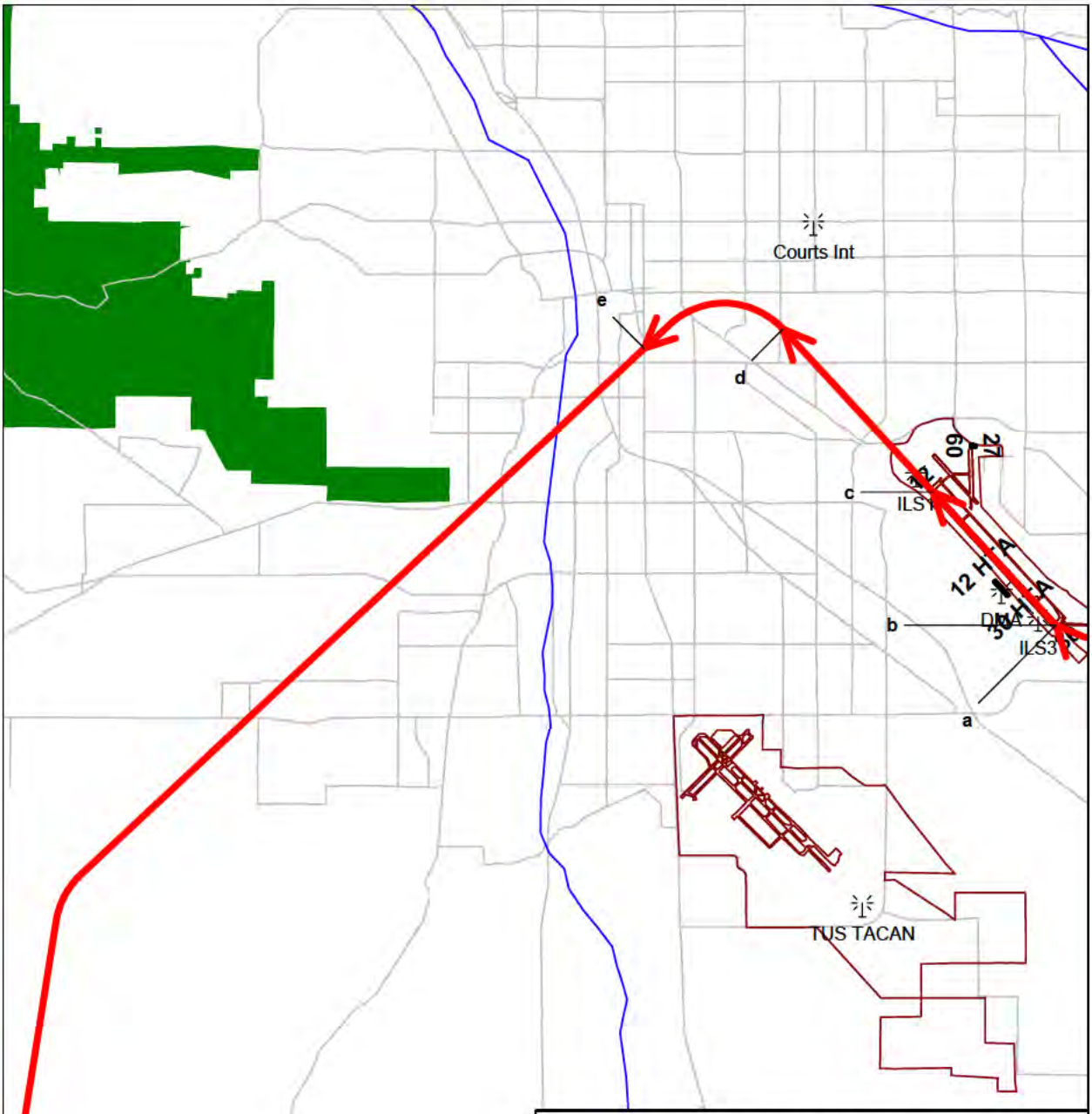
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.50	0 AGL	90 Takeoff	165
c	2.25	500 AGL	90 Takeoff	360
d	6.00	3,300 AGL	90 Takeoff	360
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-30DC
Tubac--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:151,000 (1 inch = 12,600 feet)

N



Flight Profile TOR-30DD

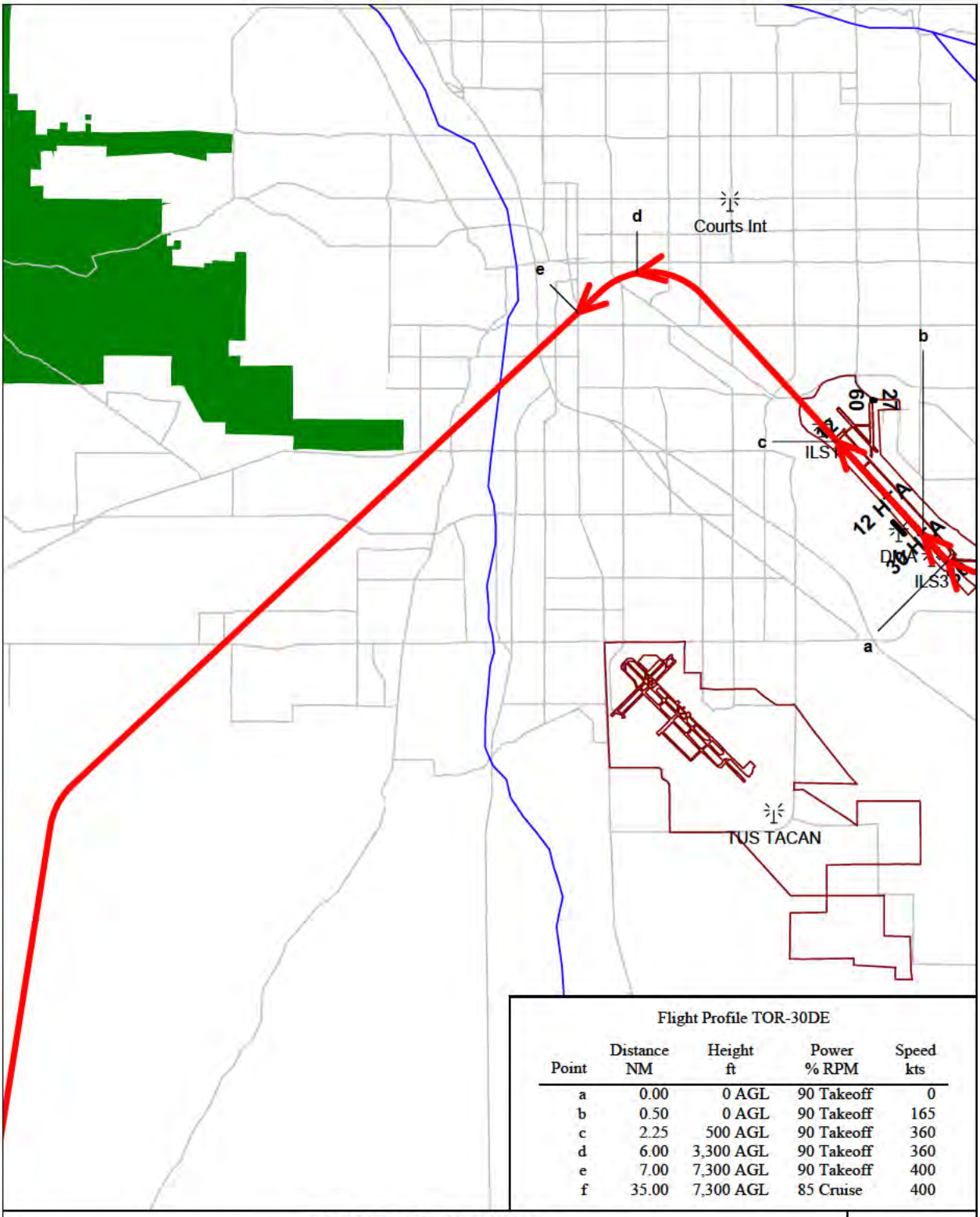
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	100 Afterburner	185
c	2.25	600 AGL	95 Takeoff	360
d	5.00	4,300 AGL	90 Takeoff	400
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-30DD
Tubac AB--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:151,000 (1 inch = 12,600 feet)

N



Flight Profile TOR-30DE

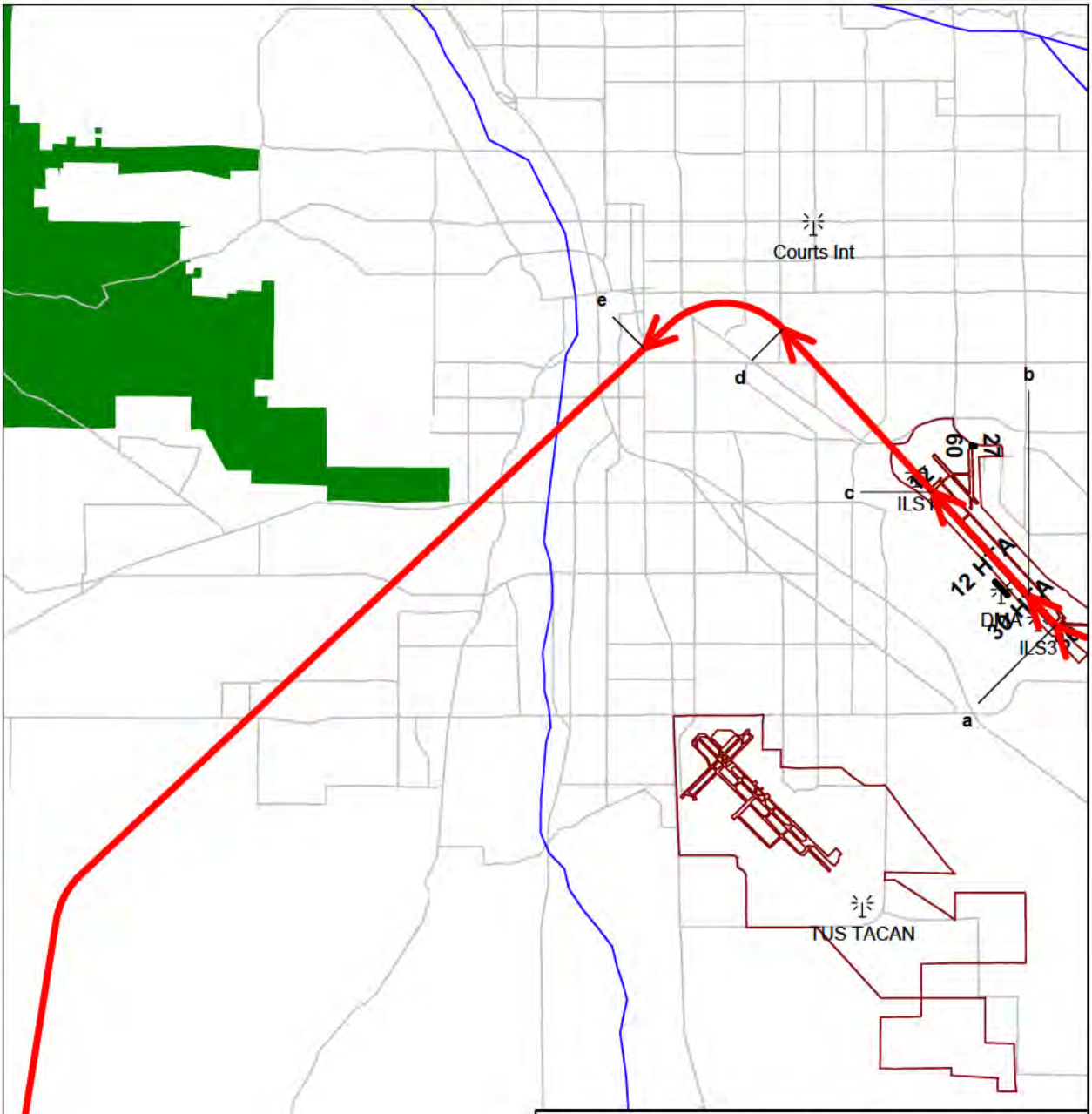
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.50	0 AGL	90 Takeoff	165
c	2.25	500 AGL	90 Takeoff	360
d	6.00	3,300 AGL	90 Takeoff	360
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-30DE
Jackal--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:151,000 (1 inch = 12,600 feet)

N



Flight Profile TOR-30DF

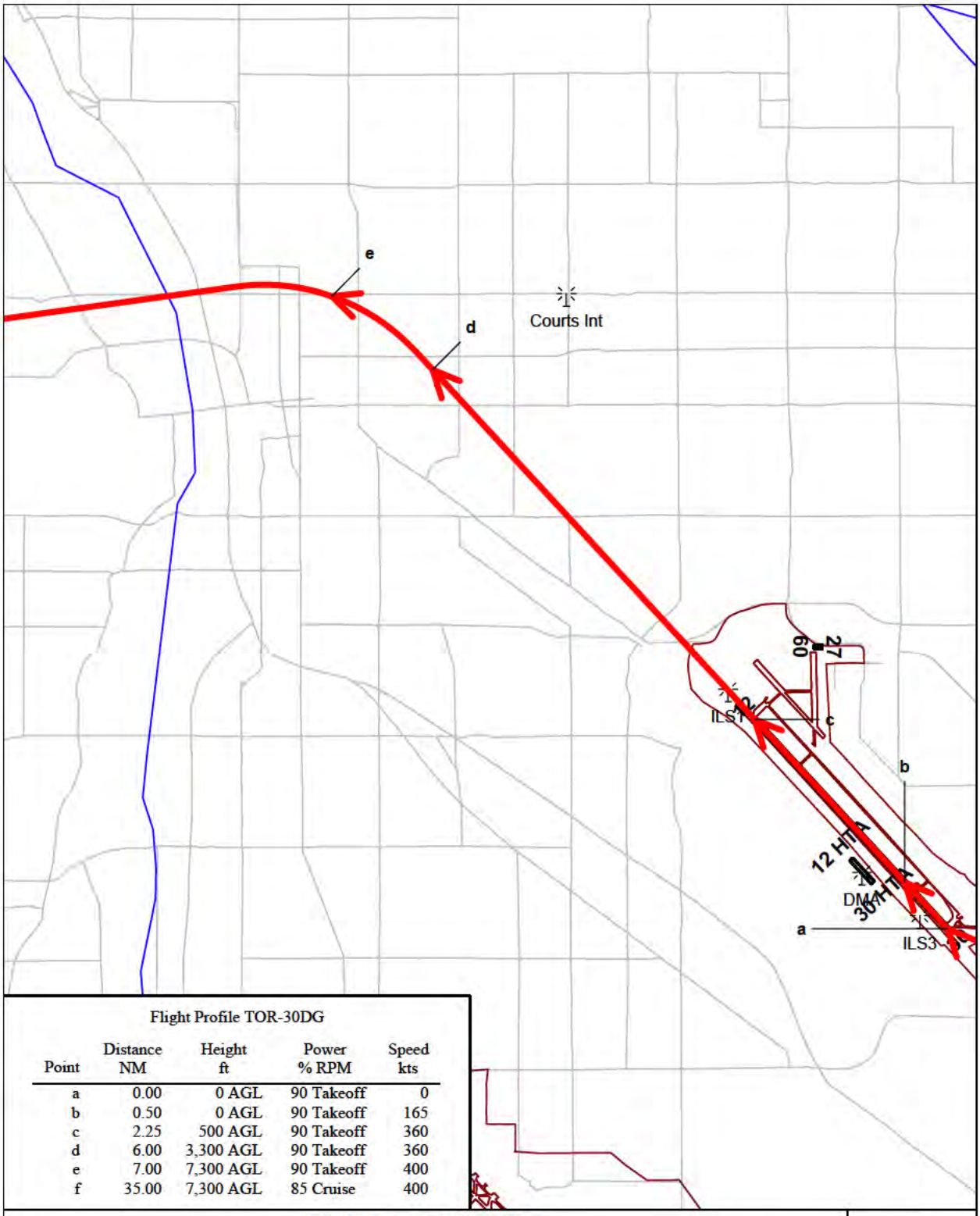
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.50	0 AGL	100 Afterburner	185
c	2.25	600 AGL	95 Takeoff	360
d	5.00	4,300 AGL	90 Takeoff	400
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-30DF
Jackal AB--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:151,000 (1 inch = 12,600 feet)

N



Flight Profile TOR-30DG

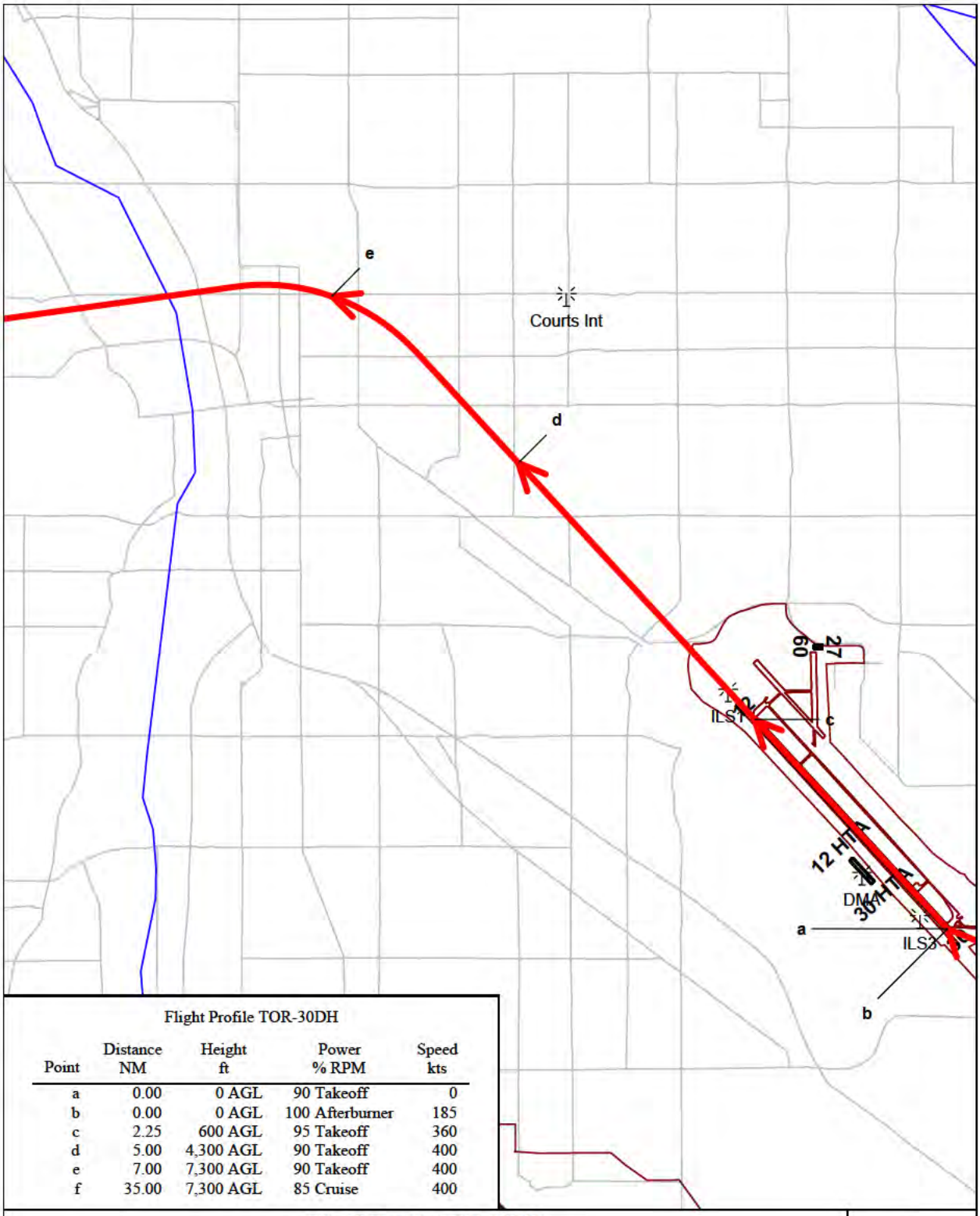
Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.50	0 AGL	90 Takeoff	165
c	2.25	500 AGL	90 Takeoff	360
d	6.00	3,300 AGL	90 Takeoff	360
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-30DG
Sells--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:86,400 (1 inch = 7,200 feet)

N



Flight Profile TOR-30DH

Point	Distance NM	Height ft	Power % RPM	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	100 Afterburner	185
c	2.25	600 AGL	95 Takeoff	360
d	5.00	4,300 AGL	90 Takeoff	400
e	7.00	7,300 AGL	90 Takeoff	400
f	35.00	7,300 AGL	85 Cruise	400

Flight Profile TOR-30DH
Sells AB--Snowbird

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:86,400 (1 inch = 7,200 feet)

N

Static Profile Details

Eng Mal - Engine Malfunction--Snowbird

Notes
Aircraft F-16C
Engine F100-PW-220
Suppressor NONE
Pad Snowbird - Snowbird Ramp
Heading 350 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
85 Idle	0.6	0	3600	1

Flightline - Flightline--Snowbird

Notes
Aircraft A-10A
Engine TF34-GE-100
Suppressor NONE
Pad Snowbird - Snowbird Ramp
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
65 Idle	0.06	0	1800	1

Flightline - Flightline--Snowbird

Notes
Aircraft F-15
Engine F100-PW-100
Suppressor AF32A-23
Pad Snowbird - Snowbird Ramp
Heading 125 ° mag
Profile Segments

Power % RPM	Day Ops	Night Ops	Duration sec	Number Engines
91 Mil	0.6	0	1800	1

Flightline - Flightline--Snowbird

Notes
Aircraft F-16C
Engine F100-PW-220
Suppressor NONE

Pad Snowbird - Snowbird Ramp
Heading 350 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
67 Idle	0.6	0	1800	1

Leak Ck - Leak Check--Snowbird

Notes
Aircraft F-16C
Engine F100-PW-220
Suppressor NONE
Pad Trim Pad 2
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
60 Idle	0.6	0	900	1
80 80% RPM Eng Runup	0.6	0	180	1
92 Max A/B	0.6	0	120	1

Power - Power Run--Snowbird

Notes
Aircraft F-16C
Engine F100-PW-220
Suppressor NONE
Pad Trim Pad 2
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
92 Max A/B	0.333	0	300	1

Trim Pad - Trim Pad 2--Snowbird

Notes
Aircraft F-16C
Engine F100-PW-220
Suppressor NONE
Pad Trim Pad 2
Heading 125 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
67 Idle	0.2	0	3600	1

ATTACHMENT 9

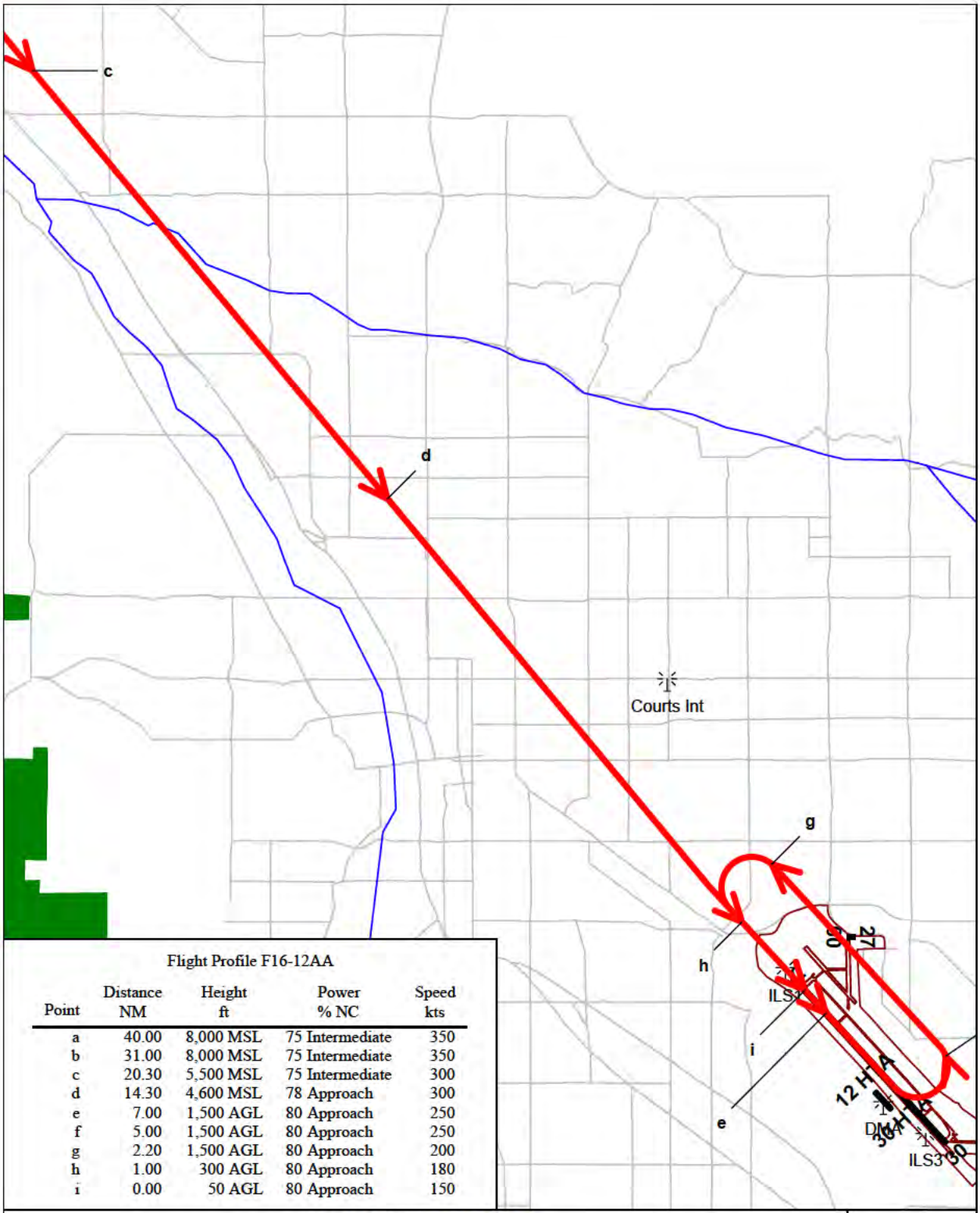
162 FW SUMMARY DATA

2007 AICUZ Re-Validation 07/30/07

162 FW Flight Profile Operations Summary

12:32 PM
Monday, September 24, 2007
BaseOps 7.3

Maps of Flight Profiles



Flight Profile F16-12AA

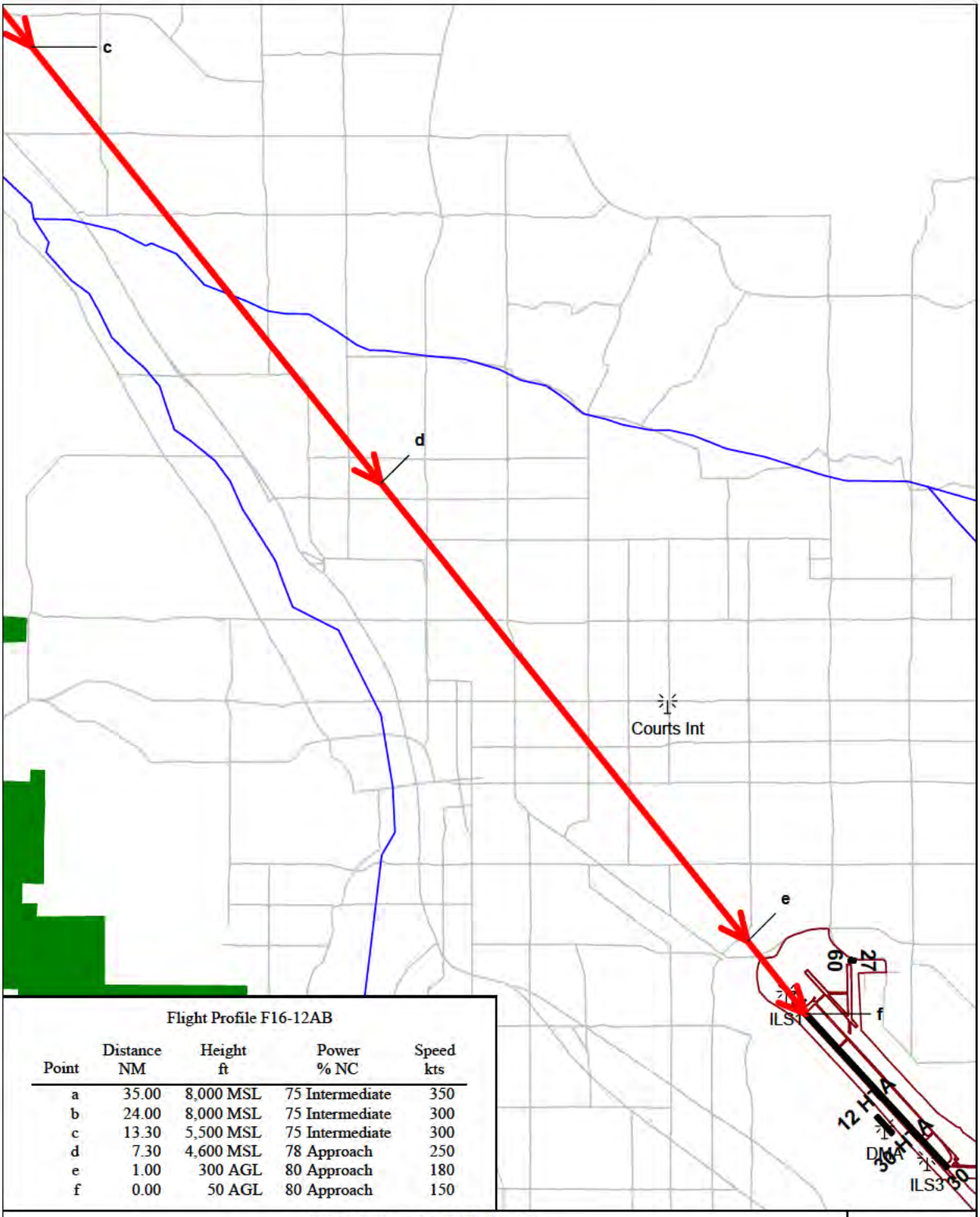
Point	Distance NM	Height ft	Power % NC	Speed kts
a	40.00	8,000 MSL	75 Intermediate	350
b	31.00	8,000 MSL	75 Intermediate	350
c	20.30	5,500 MSL	75 Intermediate	300
d	14.30	4,600 MSL	78 Approach	300
e	7.00	1,500 AGL	80 Approach	250
f	5.00	1,500 AGL	80 Approach	250
g	2.20	1,500 AGL	80 Approach	200
h	1.00	300 AGL	80 Approach	180
i	0.00	50 AGL	80 Approach	150

Flight Profile F16-12AA
ILS to overhead--162 FW

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:118,000 (1 inch = 9,840 feet)

N



Flight Profile F16-12AB

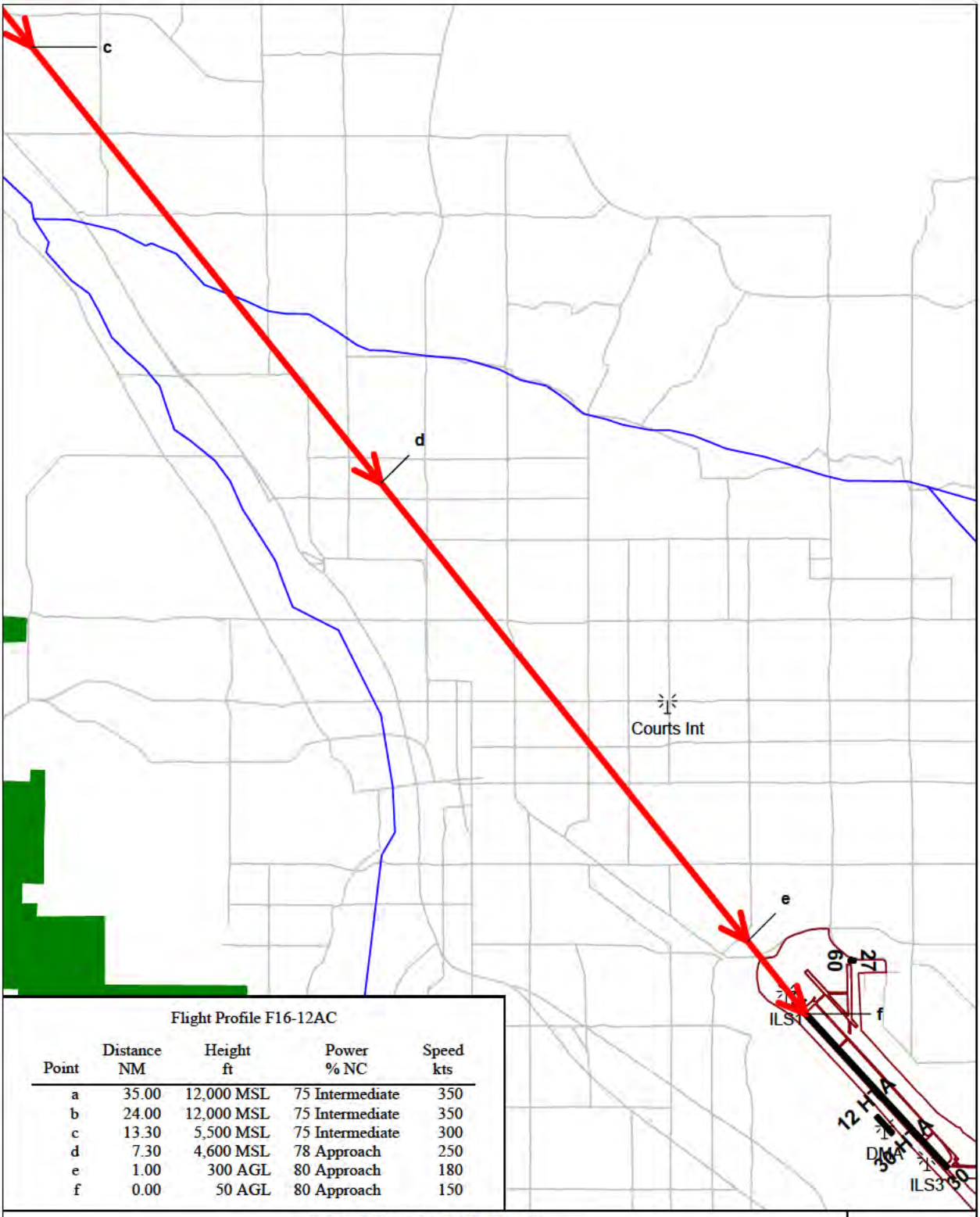
Point	Distance NM	Height ft	Power % NC	Speed kts
a	35.00	8,000 MSL	75 Intermediate	350
b	24.00	8,000 MSL	75 Intermediate	300
c	13.30	5,500 MSL	75 Intermediate	300
d	7.30	4,600 MSL	78 Approach	250
e	1.00	300 AGL	80 Approach	180
f	0.00	50 AGL	80 Approach	150

Flight Profile F16-12AB
ILS--162 FW

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:118,000 (1 inch = 9,800 feet)

N



Flight Profile F16-12AC

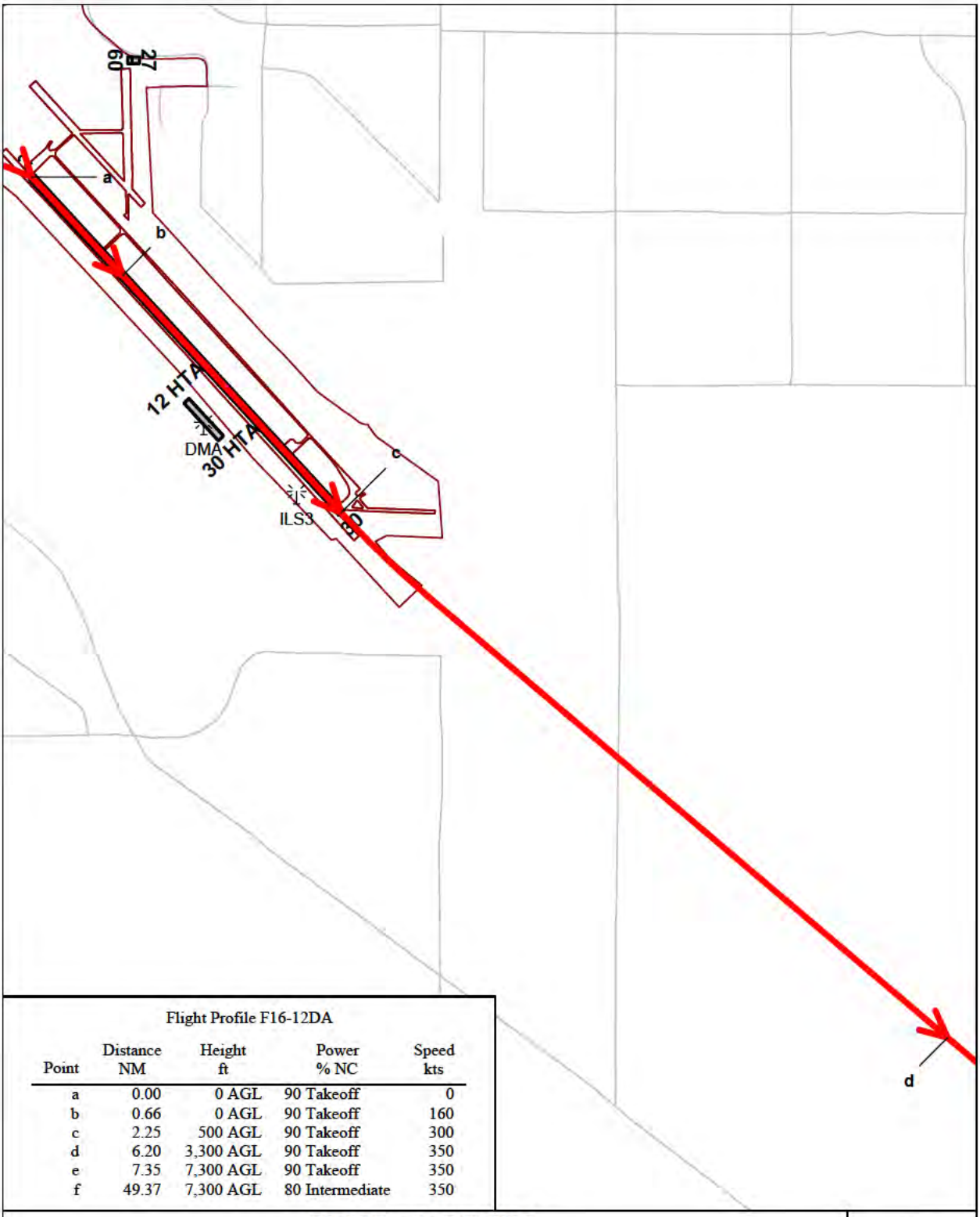
Point	Distance NM	Height ft	Power % NC	Speed kts
a	35.00	12,000 MSL	75 Intermediate	350
b	24.00	12,000 MSL	75 Intermediate	350
c	13.30	5,500 MSL	75 Intermediate	300
d	7.30	4,600 MSL	78 Approach	250
e	1.00	300 AGL	80 Approach	180
f	0.00	50 AGL	80 Approach	150

Flight Profile F16-12AC
High ILS--162 FW

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000

Scale in Feet 1:118,000 (1 inch = 9,800 feet)

N



Flight Profile F16-12DA

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.66	0 AGL	90 Takeoff	160
c	2.25	500 AGL	90 Takeoff	300
d	6.20	3,300 AGL	90 Takeoff	350
e	7.35	7,300 AGL	90 Takeoff	350
f	49.37	7,300 AGL	80 Intermediate	350

Flight Profile F16-12DA
Tombstone Mil Dep--162 FW

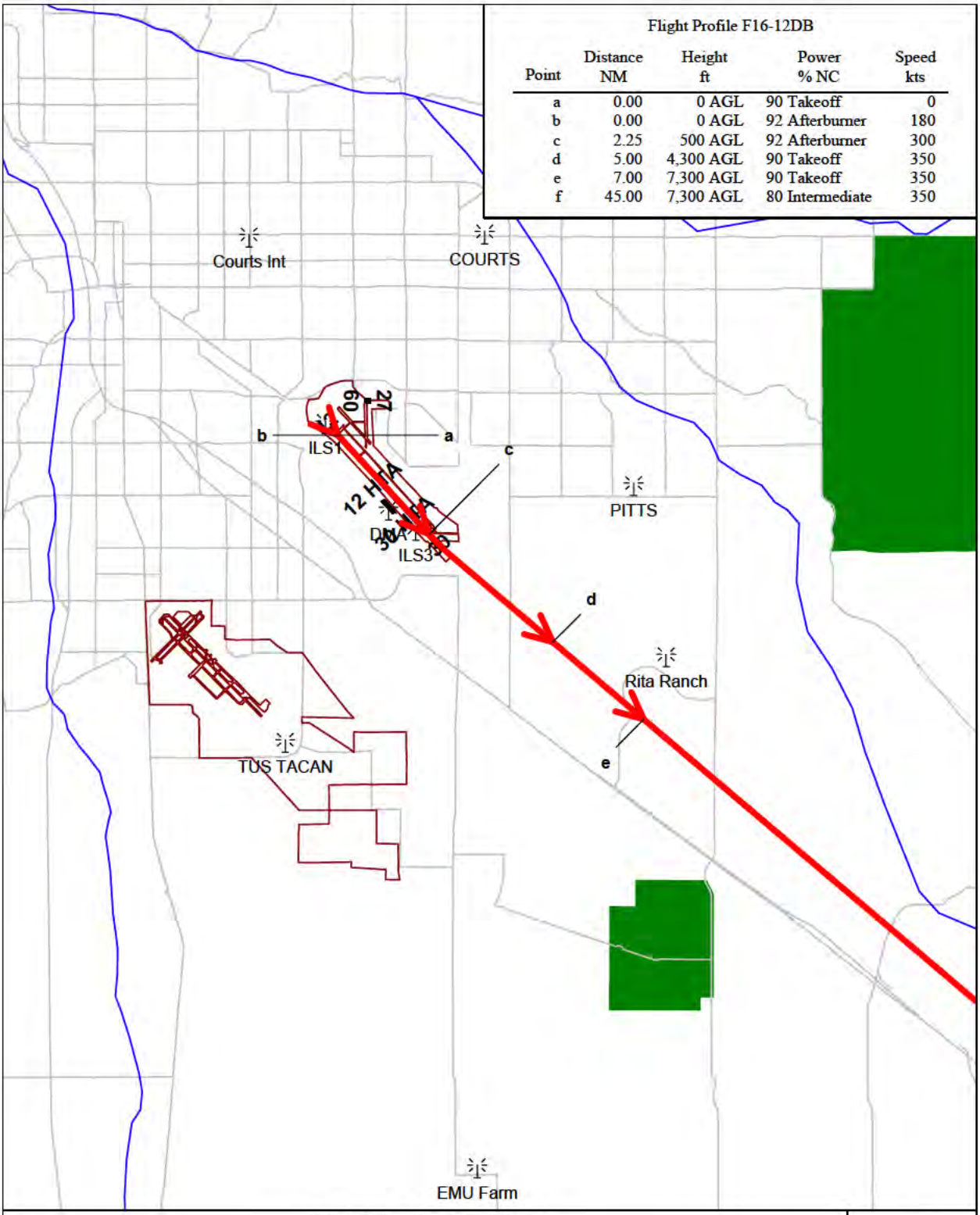
0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:53,900 (1 inch = 4,490 feet)

N

Flight Profile F16-12DB

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	92 Afterburner	180
c	2.25	500 AGL	92 Afterburner	300
d	5.00	4,300 AGL	90 Takeoff	350
e	7.00	7,300 AGL	90 Takeoff	350
f	45.00	7,300 AGL	80 Intermediate	350

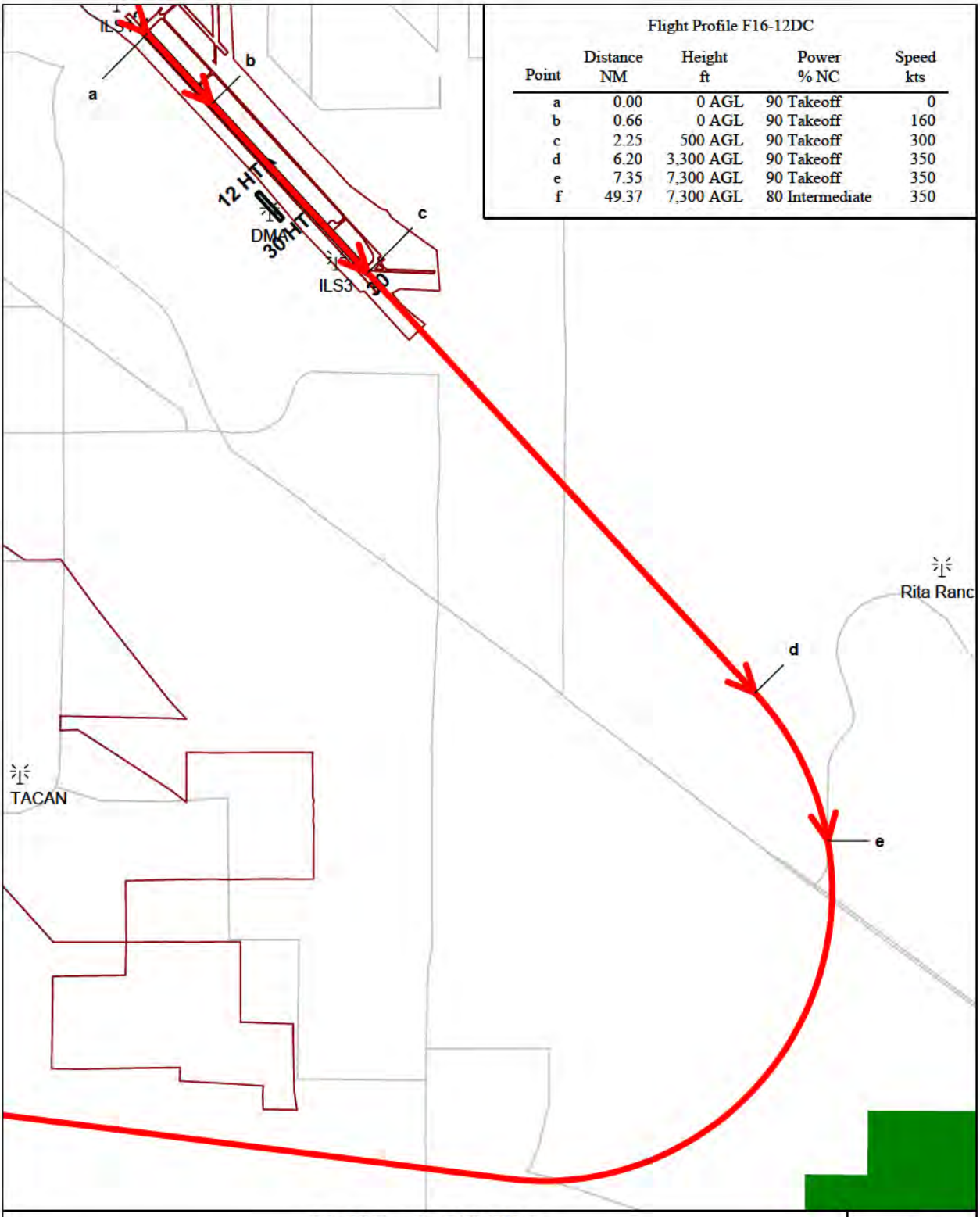


Flight Profile F16-12DB
Tombstone AB Dep--162 FW

0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:183,000 (1 inch = 15,300 feet)

N



Flight Profile F16-12DC

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.66	0 AGL	90 Takeoff	160
c	2.25	500 AGL	90 Takeoff	300
d	6.20	3,300 AGL	90 Takeoff	350
e	7.35	7,300 AGL	90 Takeoff	350
f	49.37	7,300 AGL	80 Intermediate	350

Flight Profile F16-12DC
Sells Mil Dep--162 FW

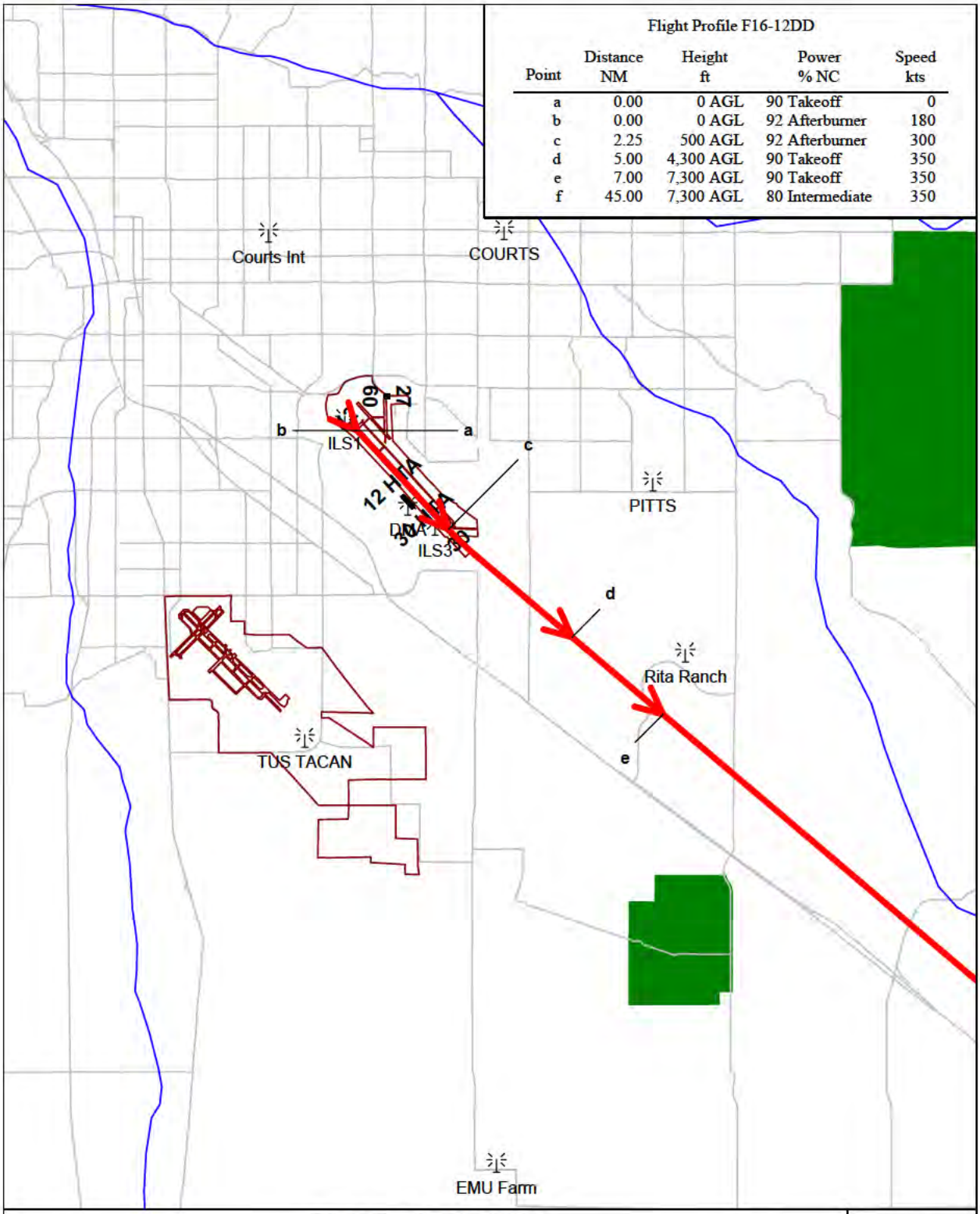
0 4,000 8,000 12,000 16,000 20,000 24,000

Scale in Feet 1:75,700 (1 inch = 6,310 feet)

N

Flight Profile F16-12DD

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	92 Afterburner	180
c	2.25	500 AGL	92 Afterburner	300
d	5.00	4,300 AGL	90 Takeoff	350
e	7.00	7,300 AGL	90 Takeoff	350
f	45.00	7,300 AGL	80 Intermediate	350

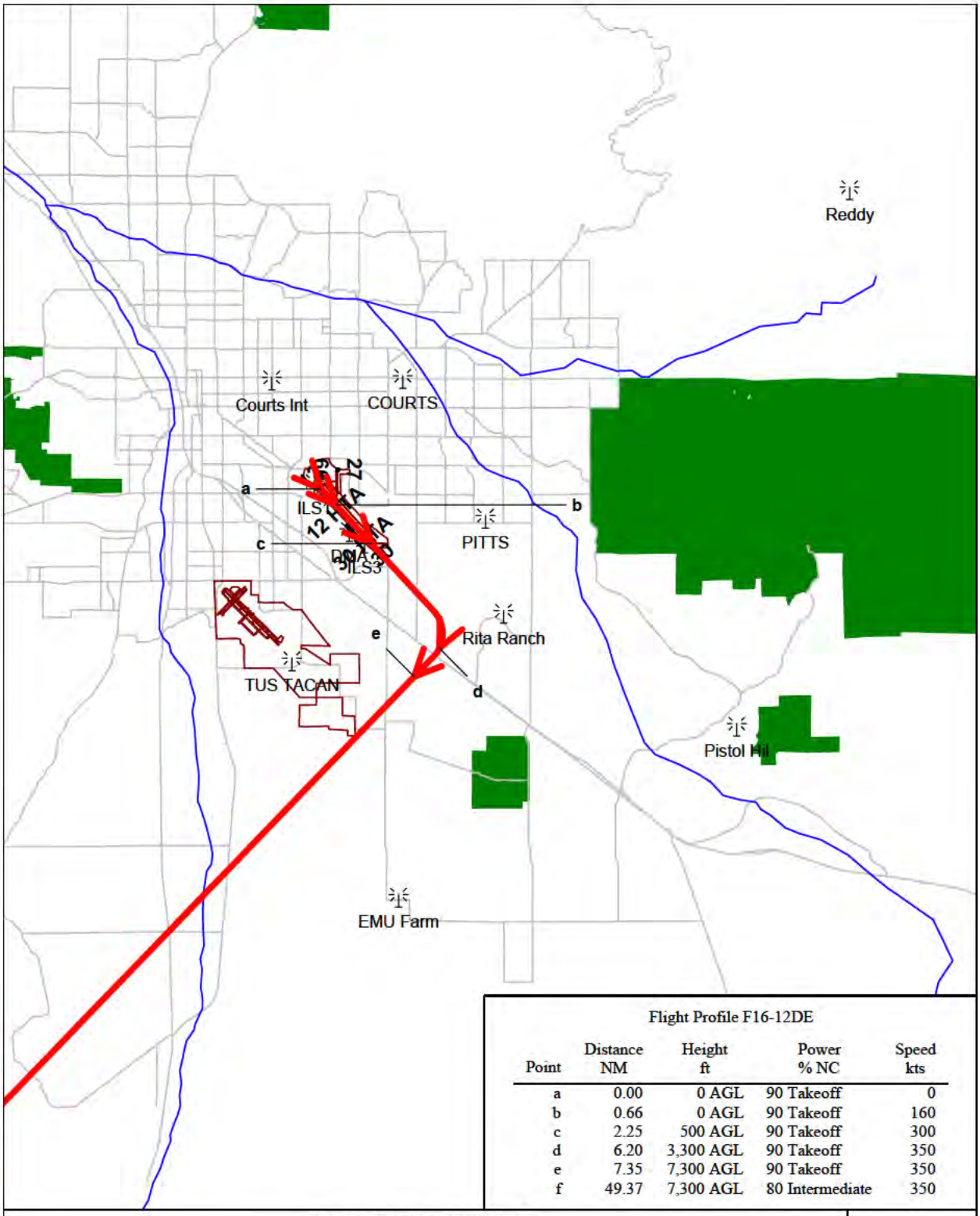


Flight Profile F16-12DD
Sells AB Dep--162 FW

0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:183,000 (1 inch = 15,300 feet)

N



Flight Profile F16-12DE

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.66	0 AGL	90 Takeoff	160
c	2.25	500 AGL	90 Takeoff	300
d	6.20	3,300 AGL	90 Takeoff	350
e	7.35	7,300 AGL	90 Takeoff	350
f	49.37	7,300 AGL	80 Intermediate	350

Flight Profile F16-12DE
Rubby Mil Dep--162 FW

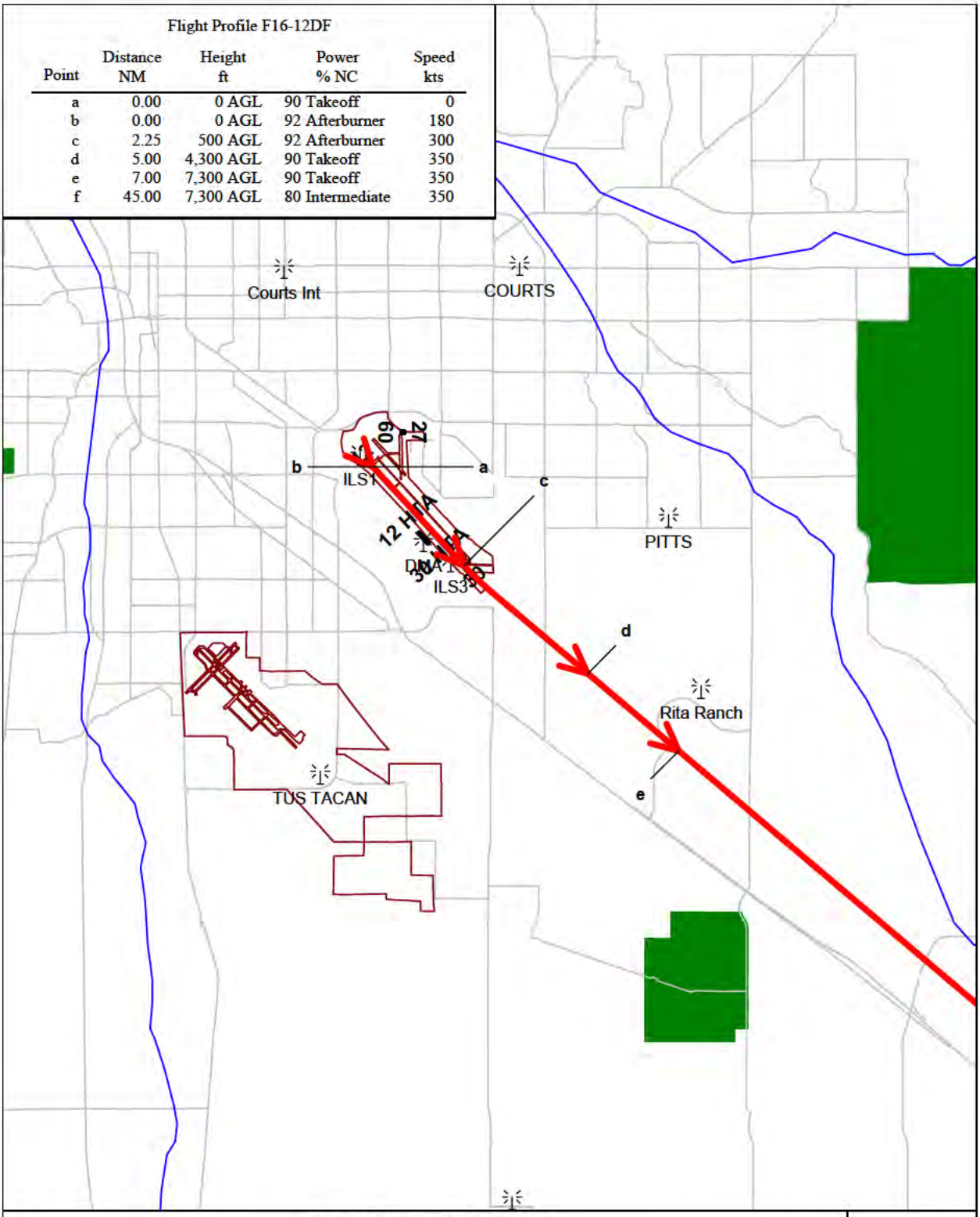
0 20,000 40,000 60,000 80,000 100,000

Scale in Feet 1:329,000 (1 inch = 27,500 feet)

N

Flight Profile F16-12DF

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	92 Afterburner	180
c	2.25	500 AGL	92 Afterburner	300
d	5.00	4,300 AGL	90 Takeoff	350
e	7.00	7,300 AGL	90 Takeoff	350
f	45.00	7,300 AGL	80 Intermediate	350

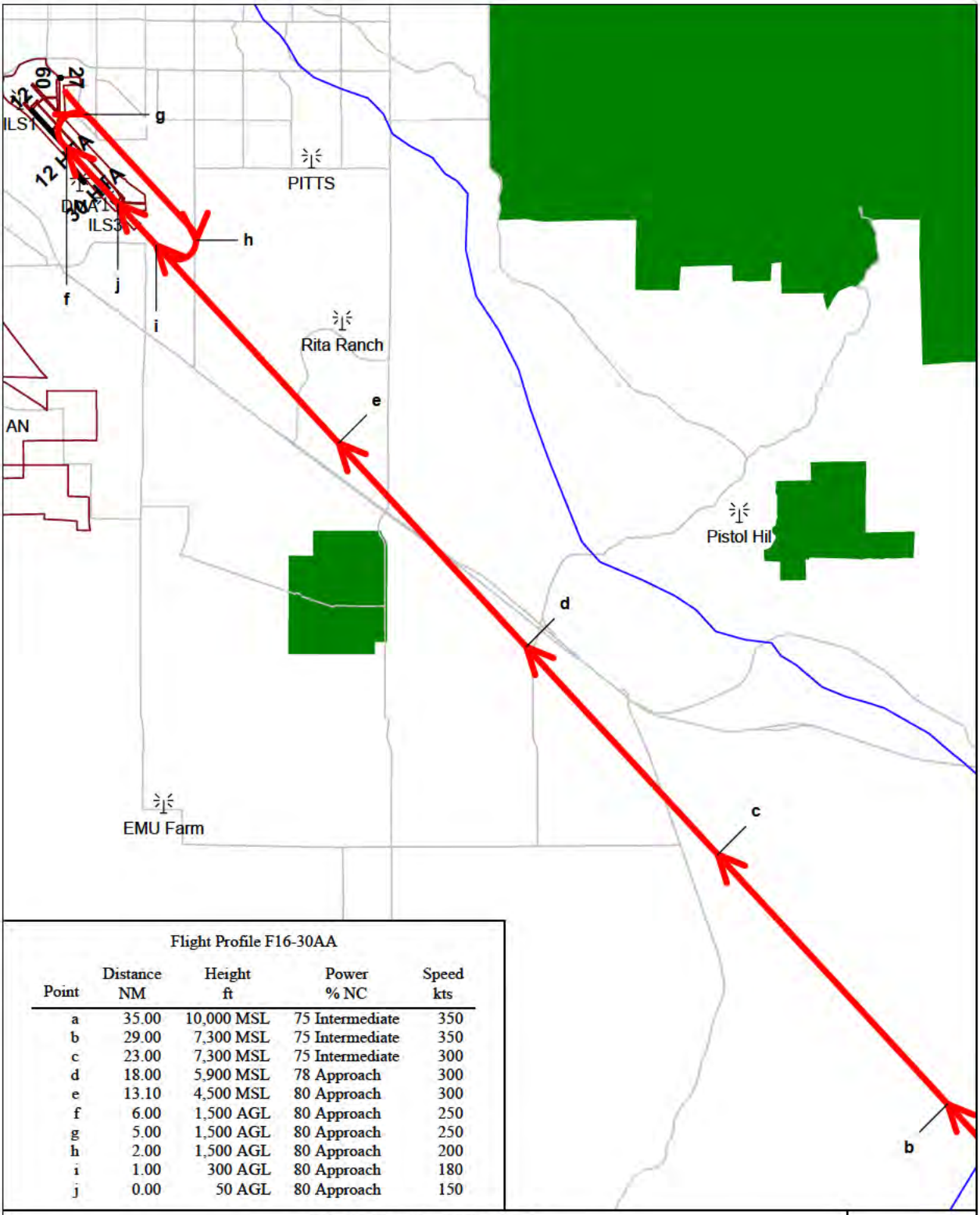


Flight Profile F16-12DF
Rubby AB Dep--162 FW

0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:183,000 (1 inch = 15,300 feet)

N



Flight Profile F16-30AA

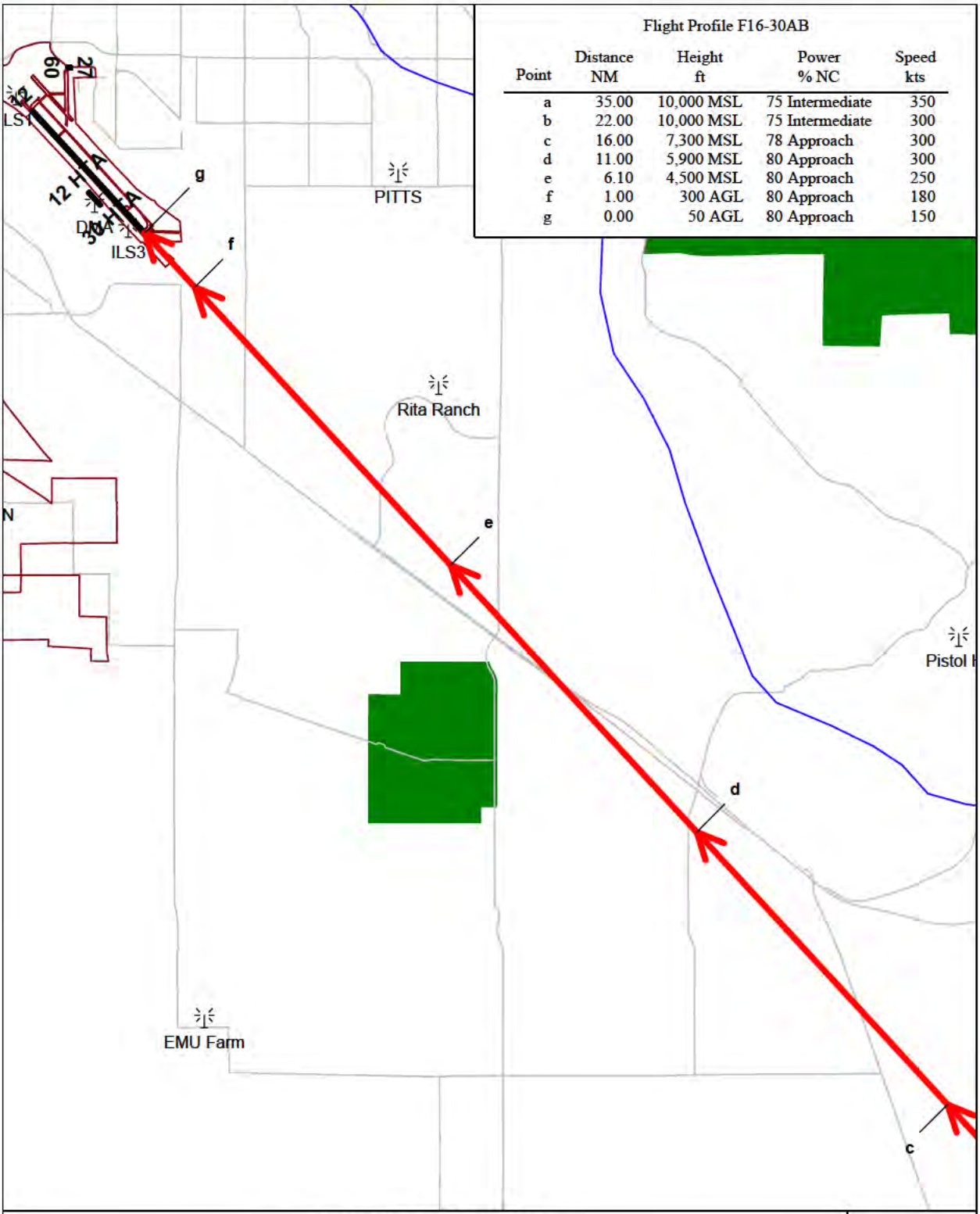
Point	Distance NM	Height ft	Power % NC	Speed kts
a	35.00	10,000 MSL	75 Intermediate	350
b	29.00	7,300 MSL	75 Intermediate	350
c	23.00	7,300 MSL	75 Intermediate	300
d	18.00	5,900 MSL	78 Approach	300
e	13.10	4,500 MSL	80 Approach	300
f	6.00	1,500 AGL	80 Approach	250
g	5.00	1,500 AGL	80 Approach	250
h	2.00	1,500 AGL	80 Approach	200
i	1.00	300 AGL	80 Approach	180
j	0.00	50 AGL	80 Approach	150

Flight Profile F16-30AA
ILS to overhead--162 FW

0 10,000 20,000 30,000 40,000 50,000 60,000

Scale in Feet 1:194,000 (1 inch = 16,100 feet)

N



Flight Profile F16-30AB

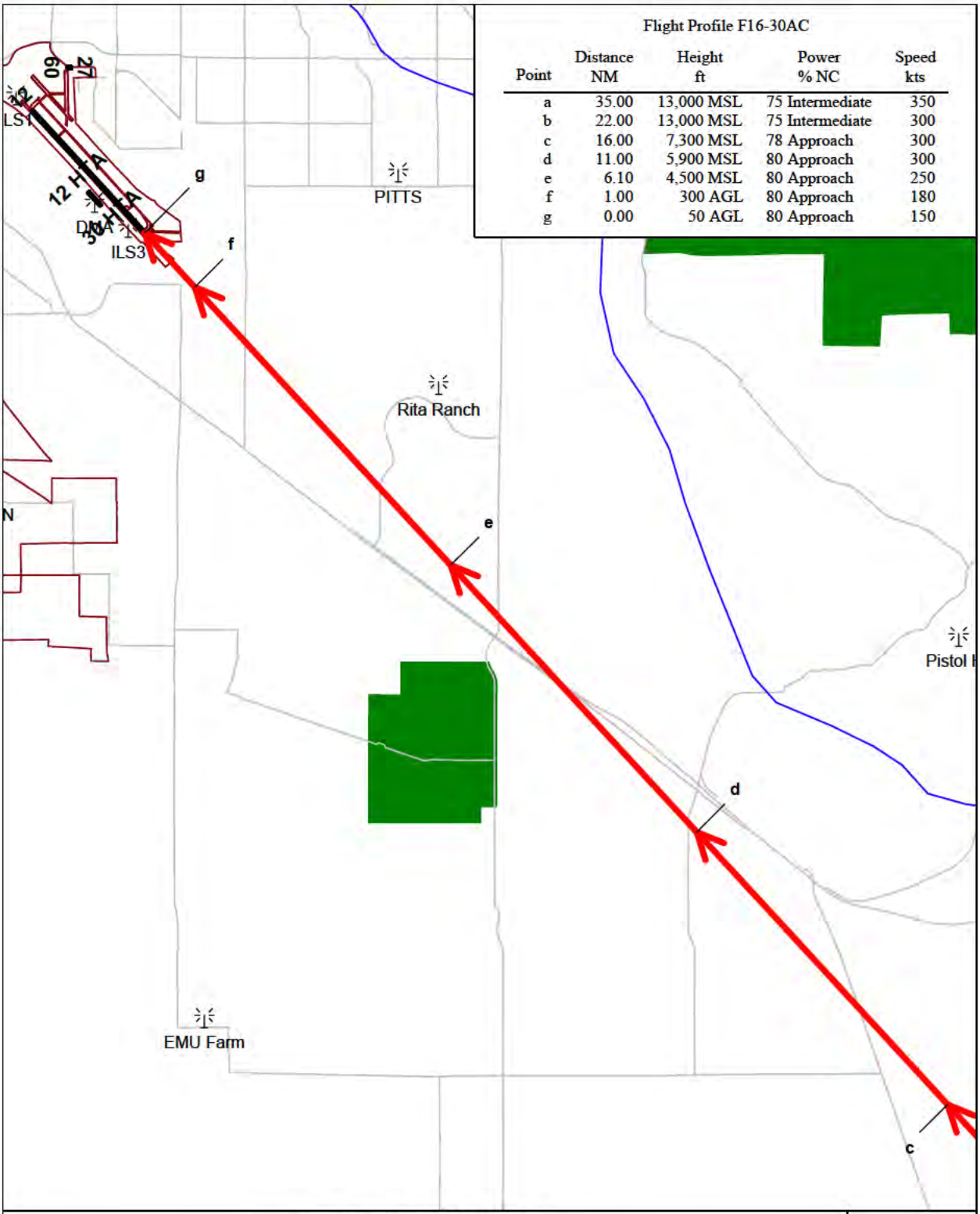
Point	Distance NM	Height ft	Power % NC	Speed kts
a	35.00	10,000 MSL	75 Intermediate	350
b	22.00	10,000 MSL	75 Intermediate	300
c	16.00	7,300 MSL	78 Approach	300
d	11.00	5,900 MSL	80 Approach	300
e	6.10	4,500 MSL	80 Approach	250
f	1.00	300 AGL	80 Approach	180
g	0.00	50 AGL	80 Approach	150

Flight Profile F16-30AB
ILS--162 FW

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:148,000 (1 inch = 12,300 feet)

N



Flight Profile F16-30AC

Point	Distance NM	Height ft	Power % NC	Speed kts
a	35.00	13,000 MSL	75 Intermediate	350
b	22.00	13,000 MSL	75 Intermediate	300
c	16.00	7,300 MSL	78 Approach	300
d	11.00	5,900 MSL	80 Approach	300
e	6.10	4,500 MSL	80 Approach	250
f	1.00	300 AGL	80 Approach	180
g	0.00	50 AGL	80 Approach	150

Flight Profile F16-30AC
High ILS--162 FW

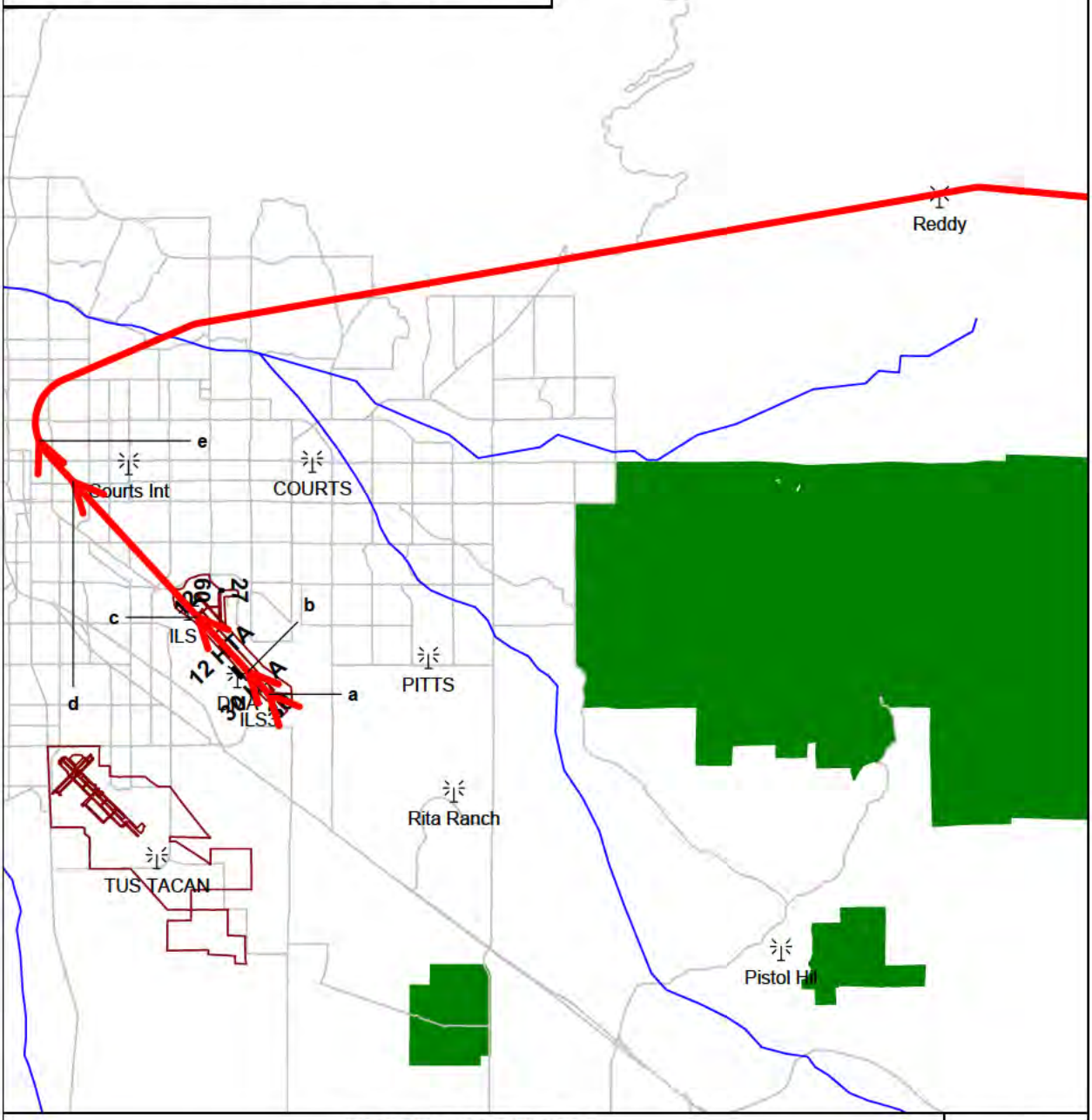
0 4,000 8,000 12,000 16,000 20,000 24,000 28,000 32,000 36,000 40,000 44,000 48,000 52,000

Scale in Feet 1:148,000 (1 inch = 12,300 feet)

N

Flight Profile F16-30DA

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.66	0 AGL	90 Takeoff	160
c	2.25	500 AGL	90 Takeoff	300
d	6.20	3,300 AGL	90 Takeoff	350
e	7.35	7,300 AGL	90 Takeoff	350
f	49.37	7,300 AGL	80 Intermediate	350



Flight Profile F16-30DA
Tombstone Mil Dep--162 FW

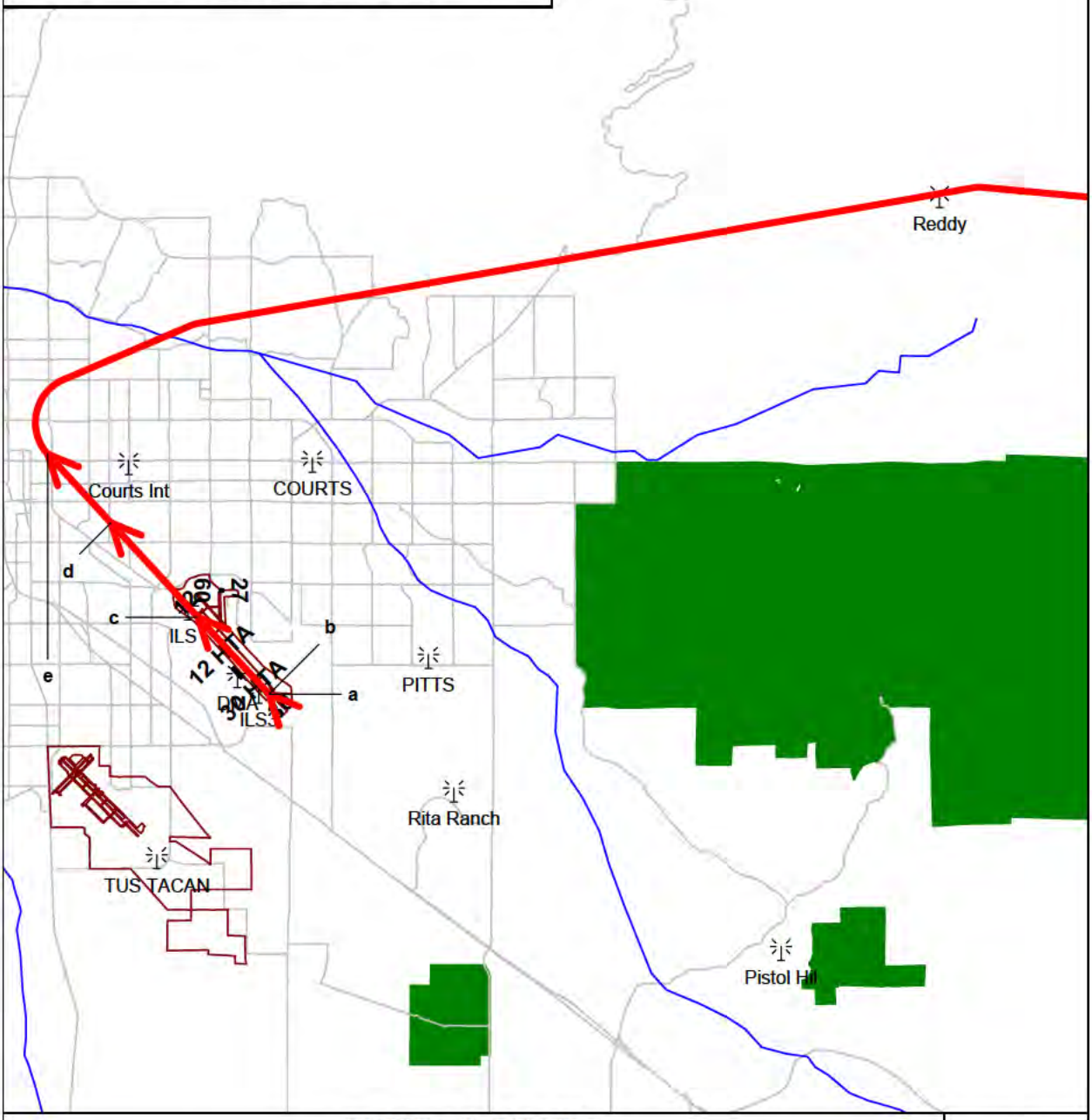
0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:262,000 (1 inch = 21,800 feet)

N

Flight Profile F16-30DB

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	92 Afterburner	180
c	2.25	500 AGL	92 Afterburner	300
d	5.00	4,300 AGL	90 Takeoff	350
e	7.00	7,300 AGL	90 Takeoff	350
f	45.00	7,300 AGL	80 Intermediate	350

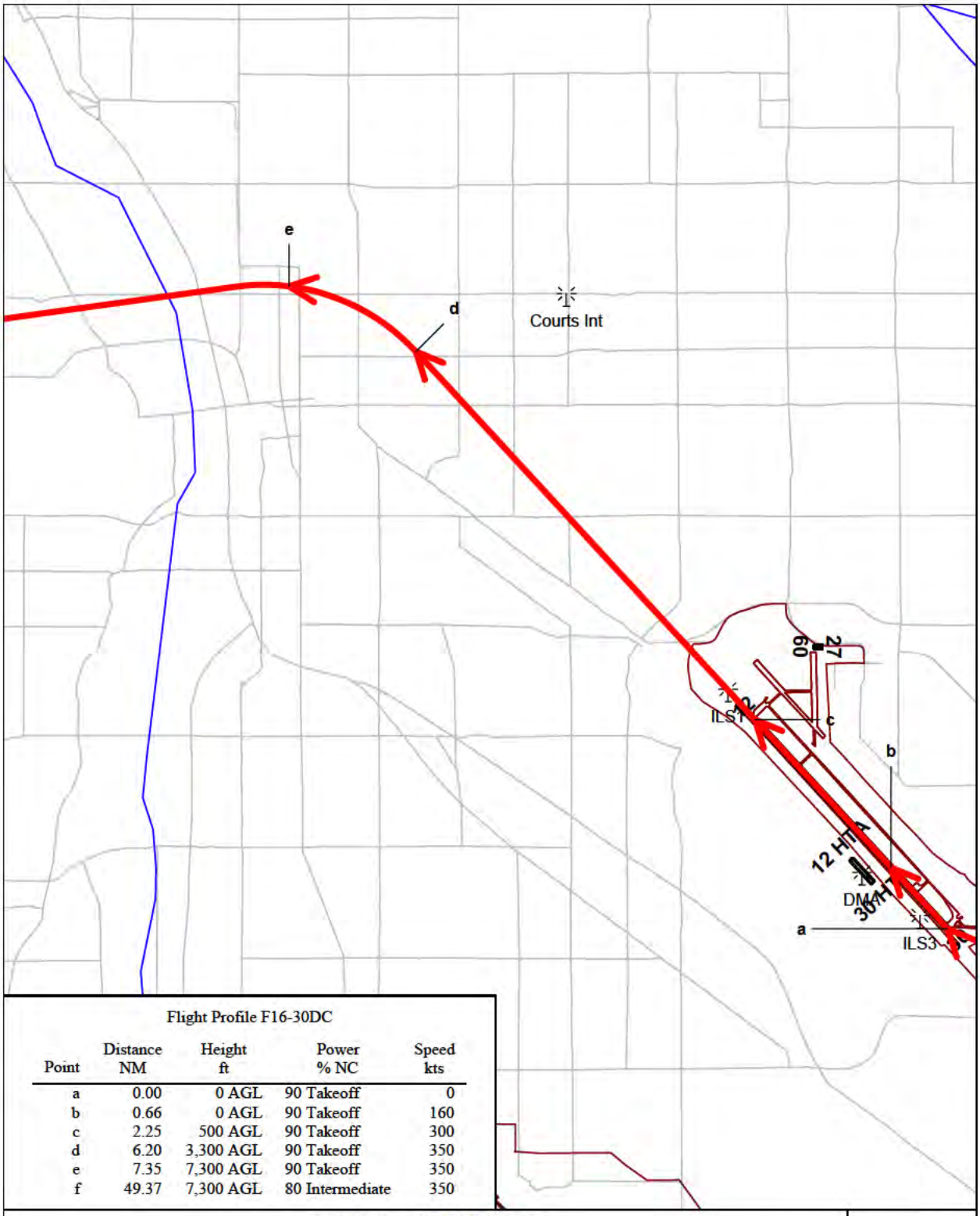


Flight Profile F16-30DB
Tombstone AB Dep--162 FW

0 10,000 20,000 30,000 40,000 50,000 60,000 70,000 80,000 90,000

Scale in Feet 1:262,000 (1 inch = 21,800 feet)

N



Flight Profile F16-30DC

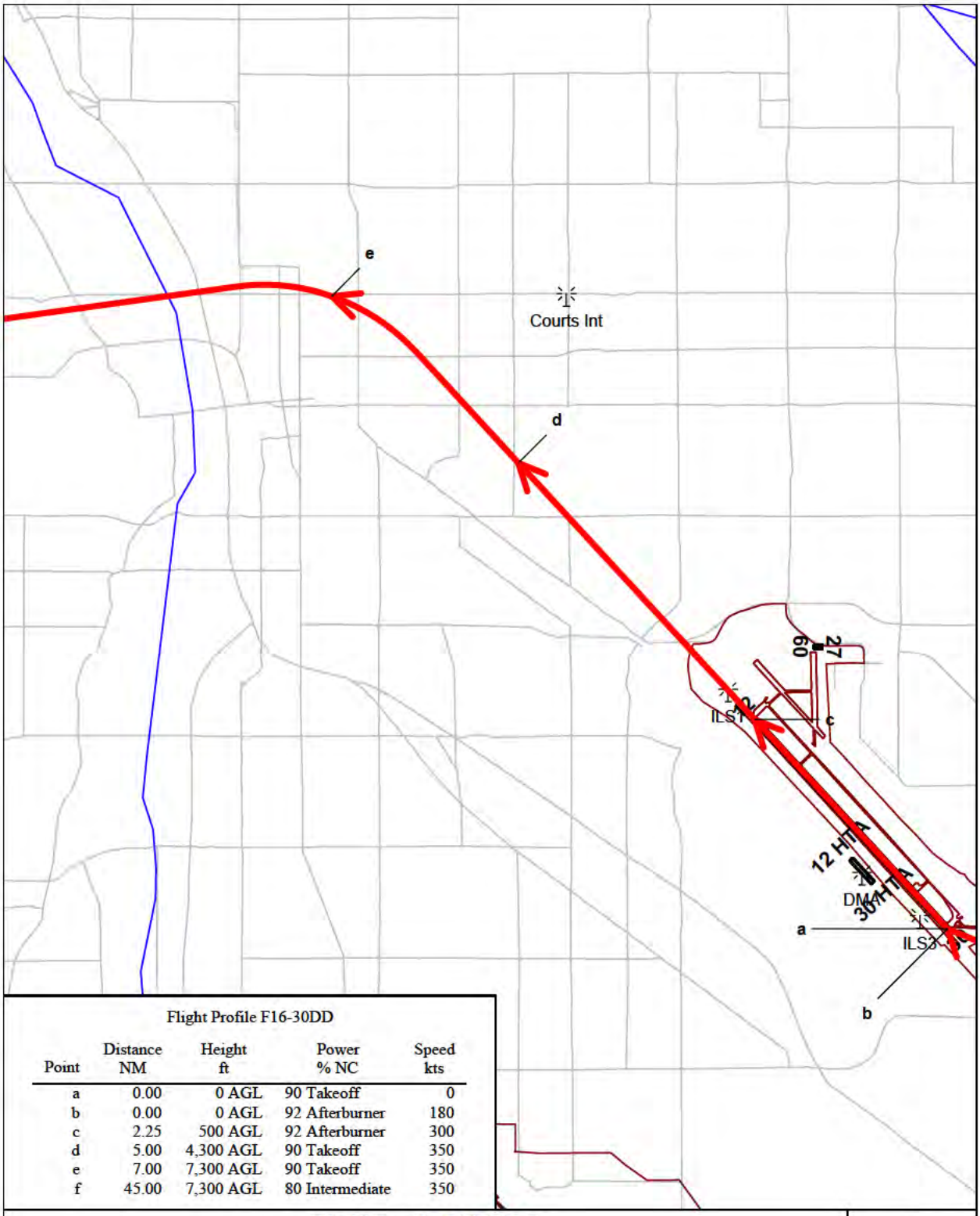
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.66	0 AGL	90 Takeoff	160
c	2.25	500 AGL	90 Takeoff	300
d	6.20	3,300 AGL	90 Takeoff	350
e	7.35	7,300 AGL	90 Takeoff	350
f	49.37	7,300 AGL	80 Intermediate	350

Flight Profile F16-30DC
Sells Mil Dep--162 FW

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:86,400 (1 inch = 7,200 feet)

N



Flight Profile F16-30DD

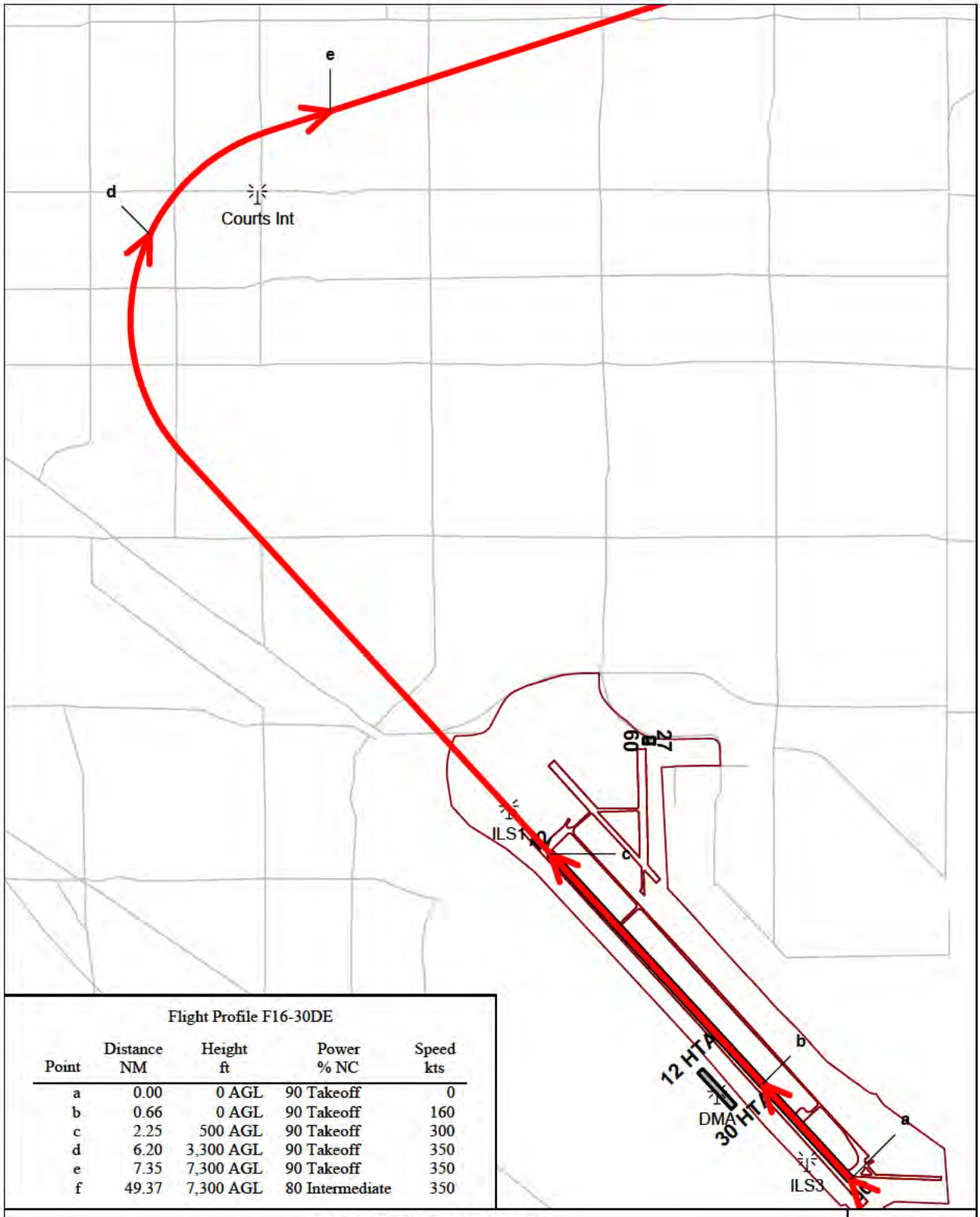
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	92 Afterburner	180
c	2.25	500 AGL	92 Afterburner	300
d	5.00	4,300 AGL	90 Takeoff	350
e	7.00	7,300 AGL	90 Takeoff	350
f	45.00	7,300 AGL	80 Intermediate	350

Flight Profile F16-30DD
Sells AB Dep--162 FW

0 4,000 8,000 12,000 16,000 20,000 24,000 28,000

Scale in Feet 1:86,400 (1 inch = 7,200 feet)

N



Flight Profile F16-30DE

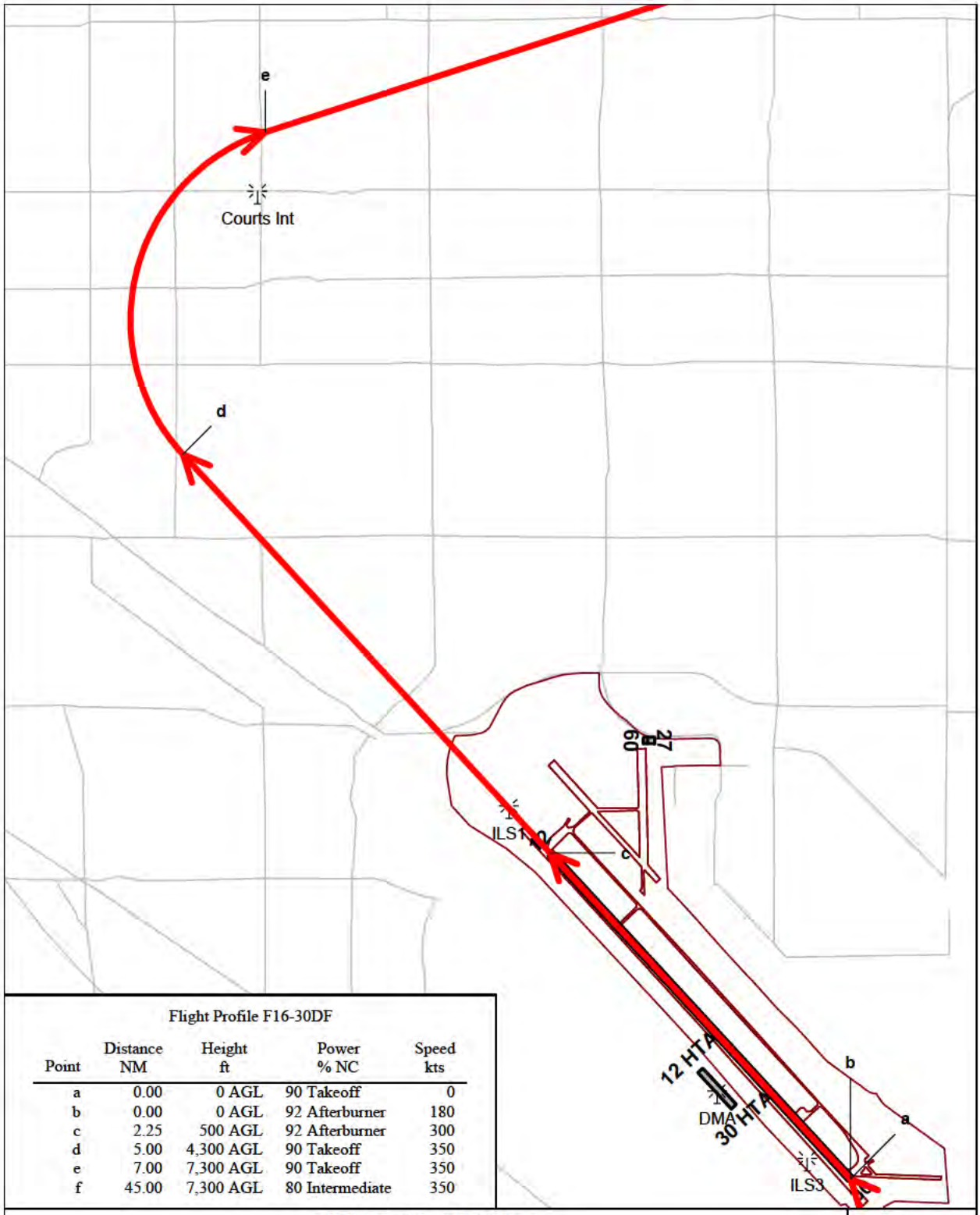
Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.66	0 AGL	90 Takeoff	160
c	2.25	500 AGL	90 Takeoff	300
d	6.20	3,300 AGL	90 Takeoff	350
e	7.35	7,300 AGL	90 Takeoff	350
f	49.37	7,300 AGL	80 Intermediate	350

Flight Profile F16-30DE
Jackal Mil Dep--162 FW

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:55,500 (1 inch = 4,620 feet)

N



Flight Profile F16-30DF

Point	Distance NM	Height ft	Power % NC	Speed kts
a	0.00	0 AGL	90 Takeoff	0
b	0.00	0 AGL	92 Afterburner	180
c	2.25	500 AGL	92 Afterburner	300
d	5.00	4,300 AGL	90 Takeoff	350
e	7.00	7,300 AGL	90 Takeoff	350
f	45.00	7,300 AGL	80 Intermediate	350

Flight Profile F16-30DF
Jackal AB Dep--162 FW

0 2,000 4,000 6,000 8,000 10,000 12,000 14,000 16,000 18,000

Scale in Feet 1:55,500 (1 inch = 4,620 feet)

N

Static Profile Details

Crew Ch - Crew Change--162 FW

Notes normal launch
Aircraft F-16C
Engine F100-PW-220
Suppressor NONE
Pad A. Apron - Alert Apron
Heading 220 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
67 Idle	0.23	0	900	1
80 80% RPM Eng Runup	0.23	0	10	1

Eng Ck - Engine Check--162 FW

Notes
Aircraft F-16C
Engine F100-PW-220
Suppressor NONE
Pad A. Apron - Alert Apron
Heading 220 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
67 Idle	3	0	900	1
80 80% RPM Eng Runup	3	0	20	1

Scram - Scheduled Practice Scrambles--162 FW

Notes
Aircraft F-16C
Engine F100-PW-220
Suppressor NONE
Pad A. Apron - Alert Apron
Heading 220 ° mag
Profile Segments

Power % NC	Day Ops	Night Ops	Duration sec	Number Engines
67 Idle	1.15	0	300	1

ATTACHMENT 10

ADMINISTRATIVE DATA
(CONTACT LOG, REFERENCE LOG AND SCHEDULE OF MEETINGS)

Site Visit Contact Log

Person Contacted	Subject Area(s)	Office/Org	Commercial Phone	E-mail
[redacted]		355 CES/CE2	[redacted]	[redacted]
[redacted]		355 CES/CEC	[redacted]	[redacted]
[redacted]	Airfield Operations	355 OSS/OSA	[redacted]	[redacted]
[redacted]	Airfield Operation	355 OSS/OSA	[redacted]	[redacted]
[redacted]	FAA		[redacted]	[redacted]
[redacted]	Airspace Manager	355 OSS/OSOA	[redacted]	[redacted]
[redacted]	FAA-OM		[redacted]	[redacted]
[redacted]	Wing Scheduling	355 OSS/OSO	[redacted]	[redacted]
[redacted]	Snowbird	162 FW/OSB	[redacted]	[redacted]
[redacted]	A-10 Stan/Eval	355 OG/OGV	[redacted]	[redacted]
[redacted]	Airfield Management	355 OSS/OSAA	[redacted]	[redacted]
[redacted]	355 MXG/355 AMXS	355 AMXS/MXAB	[redacted]	[redacted]
[redacted]	162 FW/Alert	ADET	[redacted]	[redacted]
[redacted]	CBP	CBP	[redacted]	
[redacted]	CBP Air + Marine		[redacted]	[redacted]

AIR INSTALLATION COMPATIBLE USE ZONE STUDY FOR DAVIS-MONTHAN AIR FORCE BASE, ARIZONA

Site Visit Contact Log

Person Contacted	Subject Area(s)	Office/Org	Commercial Phone	E-mail
[redacted]	CBP Air + Marine	CBP	[redacted]	[redacted]
[redacted]		355 FW/CCT	[redacted]	[redacted]
[redacted]		162 ADET	[redacted]	[redacted]
[redacted]	309 AMARG	576 AMRS/MXDPBB	[redacted]	[redacted]
[redacted]	576 AMRS	576 AMRS/MADPA	[redacted]	[redacted]
[redacted]	Flight	AMARG/FT	[redacted]	[redacted]
[redacted]	FCF/MX	AMARG/FT	[redacted]	[redacted]
[redacted]	GIS	PC Public Works	[redacted]	[redacted]
[redacted]	Planning P.C.	Development Services	[redacted]	[redacted]
[redacted]	Urban Planning COT	Rezoning	[redacted]	[redacted]
[redacted]	Planning P.C.	Development Services	[redacted]	[redacted]
[redacted]	Urban Planning COT/GIS	MacArthur Building	[redacted]	[redacted]
[redacted]	Flight	55 ECG/EGV	[redacted]	[redacted]
[redacted]	Flight	563 RQG	[redacted]	[redacted]

Site Visit Contact Log

Person Contacted	Subject Area(s)	Office/Org	Commercial Phone	E-mail
[redacted]	C-130 Maint	MXMK	[redacted]	[redacted]
[redacted]	US Customs		[redacted]	[redacted]
[redacted]	Snowbird	162 FW/OSB	[redacted]	[redacted]
[redacted]	Rescue	563 RQF/SE	[redacted]	[redacted]
[redacted]	HH-60	563 RQG/OGV	[redacted]	[redacted]
[redacted]	HH-60	943 RQG/OGV	[redacted]	[redacted]
[redacted]	HH-60	305 RQS/DOS	[redacted]	[redacted]
[redacted]	Geobase Coordinator	355 CES/CEOE	[redacted]	[redacted]
[redacted]	HH-60	563 MXS/MXMBP	[redacted]	[redacted]
[redacted]	HH-60G	943 MXS/MXMP	[redacted]	[redacted]
[redacted]	HH-60G	943 MXS/MXA	[redacted]	[redacted]

NOISE REFERENCE LOG

Log Number	Short Callout	Complete Citation	Media	Description
DMAFB#1	Pima 2002	Pima County. 2002. *Land Use Ordinances for Pima County: Chapter 18.57: Airport Environs and Facilities.*	Hard copy	
DMAFB#2	Pima 2004	Pima County. 2004. *Pima County Comprehensive Land Use Plan Legend Summary*. Revised 5 February 2004.	Hard copy	
DMAFB#3	Pima 2007	Pima County. 2007. *Pima County Comprehensive Plan Update: Policies and Land Use Intensity Legend*. June 2007.	Hard copy	
DMAFB#4	Pima 2006	Pima County. 2006. *South Kolb Road Specific Plan*. Amended 12 December 2006.	Hard copy	
DMAFB#5	Pima 2001	Pima County. 2001. *Pima County Comprehensive Land Use Plan; Planned Land Use Rincon Southeast/Santa Rita Subregion, South Half*. 18 December 2001.	Hard copy	
DMAFB#6	Pima 2001	Pima County. 2001. *Pima County Comprehensive Land Use Plan; Planned Land Use Rincon Southeast/Santa Rita Subregion, North Half*. 18 December 2001.	Hard copy	
DMAFB#7	Pima 2001	Pima County. 2001. *Pima County Comprehensive Land Use Plan; Planned Land Use Western Pima County Subregion*. 18 December 2001.	Hard copy	
DMAFB#8	Pima 2001	Pima County. 2001. *Pima County Comprehensive Land Use Plan; Planned Land Use Upper Santa Cruz Subregion*. 18 December 2001.	Hard copy	
DMAFB#9	Pima 2001	Pima County. 2001. *Pima County Comprehensive Land Use Plan; Planned Land Use Tucson Mountains/Avra Valley Subregion, East Half*. 18 December 2001.	Hard copy	
DMAFB#10	Pima 2001	Pima County. 2001. *Pima County Comprehensive Land Use Plan; Planned Land Use Southwest Subregion, North Detail*. 18 December 2001.	Hard copy	
DMAFB#11	Pima 2001	Pima County. 2001. *Pima County Comprehensive Land Use Plan; Planned Land Use Catalina Foothills Subregion – Foothills Planning area*. 18 December 2001.	Hard copy	
DMAFB#12	355 FW 2007	355th Fighter Wing (FW). 2007. *355 FW Org Chart and Tenant Units*. 19 March 2007.	Electronic – Power Point	
DMAFB#13	Davis-Monthan 2007	Davis Monthan Air Force Base (AFB). 2007. Current and Historical Noise Contours at Davis-Monthan AFB. Created 1 August 2007.	Electronic - .pdf	
DMAFB#14	ASLD 2003	Arizona State Land Department (ASLD). 2003. *Military Training Routes in Arizona*. 4 December 2003.	Electronic - .pdf	
DMAFB#15	355 FW Undated	355 FW. Undated. *The Military Community Compatibility Committee (MC3) & the "MC3 Report"*.	Electronic – Power Point	

DMAFB#16	Davis-Monthan Undated	Davis-Monthan AFB. Undated. *Southern Arizona Land Usage*.	Electronic - .pdf	
DMAFB#17	Davis-Monthan Undated	Davis-Monthan AFB. Undated. *BMGR Air Routes*.	Electronic - .pdf	
DMAFB#18	Davis-Monthan 2005	Davis-Monthan AFB. 2005. *Davis-Monthan AFB Observation Sites*. 4 October 2005.	Electronic - .pdf	
DMAFB#19	Davis-Monthan Undated	Davis-Monthan AFB. Undated. *Map showing Military Operations Areas (MOAs) and Barry M. Goldwater Range (BMGR) in Southern Arizona.*	Electronic - .pdf	
DMAFB#20	Davis-Monthan 2002.	Davis Monthan AFB. 2002. *Airport Vicinity Map for Davis-Monthan AFB.* 23 July 2002.	Electronic - .pdf	
DMAFB#21	ADOC 2004.	Arizona Department of Commerce (ADOC). 2004. *Davis-Monthan Air Force Base/Tucson/Pima County Joint Land Use Study*. February 2004.	Electronic - .pdf	
DMAFB#22	Tucson 1995	City of Tucson. 1995. *Land Use Code of the City of Tucson*. 1 July 1995.	Electronic - .pdf	
DMAFB#23	Davis-Monthan Undated	Davis-Monthan AFB. Undated. *History of Davis-Monthan Air Force Base*.	Electronic - .pdf	
DMAFB#24	Davis-Monthan Undated	Davis-Monthan AFB. Undated. *Flight Tracks and Profiles for Davis-Monthan Air Force Base*.	Electronic - .pdf	
DMAFB#25	Davis-Monthan 2007	Davis Monthan AFB. 2007. *Davis-Monthan Flying Summary*. 1 June 2007.	Electronic - .pdf	
DMAFB#26	Davis-Monthan 2007	Davis-Monthan AFB. 2007. *Davis-Monthan AFB FY 2006 Economic Impact Statement*.	Electronic - .pdf	
DMAFB#27	Davis-Monthan 2007	Davis-Monthan AFB. 2007. *Davis-Monthan Points of Contact List*.	Electronic - .xls	
DMAFB#28	AFCCC/DON 2004	ARCCC/DON. 2004. *Operational Climatic Data Summary for Davis Monthan AFB Arizona*. September 2004.	Electronic – Notepad	
DMAFB#29	Davis-Monthan 2006	Davis-Monthan AFB. 2006. *355 WG/CC Org Chart*. 20 October 2006.	Electronic – Power Point	
DMAFB#30	Davis-Monthan 1998	Davis-Monthan AFB. 1998. *Air Installation Compatible Use Zone Re-Validation Noise Files*. 8 October 1998.	Electronic - BaseOps	
DMAFB#31	Davis-Monthan Undated	Davis-Monthan AFB. Undated. *"Pig Pointers" In-Flight guide for Davis-Monthan Air Force Base*.	Electronic – Power Point	

NOISE REFERENCE LOG

DMAFB#32	355 FW 1999	355 FW. 1999. *Letter of Agreement between Albuquerque Center, Tucson TRACON and the 355th Wing. 4 November 1999.*	Electronic - .doc	
DMAFB#33	[redacted] 2007	[redacted] 2007. Personal correspondence between [redacted] (355 OSS/OSA) and [redacted] (e^2M) regarding noise abatement/pattern information. 30 July 2007.	Electronic – e-mail.	
DMAFB#34	355 FW 2004	355 FW. 2004. *Base Instruction 11-250: Flying Operations.* 7 January 2004.	Electronic - .doc	
DMAFB#35	Air Force 2007	Department of the Air Force. 2007. *FCIF #07-23B – 07-39B.* 19 March 2007.	Electronic - .docs	
DMAFB#36	Davis-Monthan 2007	Davis-Monthan AFB. 2007. *355 Wing and Tenant Unit Sorties for FY 2007.*	Electronic - .xls	
DMAFB#37	Davis-Monthan 1992	Davis-Monthan AFB. 1992. *Air Installation Compatible Use Zone Study.*	Electronic - .doc	
DMAFB#38	Davis-Monthan Undated	Davis-Monthan AFB. Undated. *Davis-Monthan Helo Specific Procedures.*	Electronic – Power Point	
DMAFB#39	Davis-Monthan 1990	Davis-Monthan AFB. 1990. *Runway Use Breakdown from Part 150 Study.* January 1990.	Electronic - .pdf	
DMAFB#40	[redacted] 2007	Haifley, Paul S. 2007. E-mail correspondence between [redacted] (355 AMXS/MXAB) and [redacted] (e2M) regarding 355 MXG maintenance data. 1 August 2007.	Electronic – e-mail	
DMAFB#41	Davis-Monthan 1990	Davis-Monthan AFB. 1990. *Generalized Flight Tracks.* January 1990.	Electronic - .pdf	
DMAFB#42	Davis-Monthan 1990	Davis-Monthan AFB. 1990. *Radar Flight Tracks.* January 1990.	Electronic - .pdf	
DMAFB#43	355 OG/CC 2007	355th Operations Group. 2007. *Forms 07-23B for Davis-Monthan Air Force Base.* 19 March 2007.	Electronic - .doc	
DMAFB#44	355 Wing 2007	355th Wing. 2007. *355 Wing and Tenant Unit Sorties for October 2006 to September 2007 (projected).*	Electronic - .xls	
DMAFB#45	ACC Undated	Air Combat Command. Undated. GIS Data from AICUZ studies done in 1994, 1995, 1996 and 1998.	Electronic	
DMAFB#46	AirNav 2007	AirNav. 2007. *Airport Diagram for Davis-Monthan Air Force Base (KDMA).*	Electronic - .pdf	
DMAFB#47	Davis-Monthan AFB Undated	Davis-Monthan Air Force Base. Undated. *Davis-Monthan Three Departure.*	Electronic - .pdf	

DMAFB#48	[redacted] 2007	[redacted]. 2007. Personal correspondence between [redacted] (355 OSS/OSA) and [redacted] and [redacted] (e²M, inc.) regarding Davis-Monthan TACAN latitude/longitude coordinates. 3 August 2007.	Electronic – e-mail.	
DMAFB#49	U.S. Census Bureau 1995	U.S. Census Bureau. 1995. "ARIZONA Population of Counties by Decennial Census: 1900 to 1990." 27 March 1995. Available online: *<http://www.census.gov/population/cencounts/az190090.txt>*. Accessed 10 September 2007.	Electronic	
DMAFB#50	U.S. Census Bureau 2007	U.S. Census Bureau. 2007. "Tucson (city), Arizona State and County Quick Facts." Available online: <http://quickfacts.census.gov/qfd/states/04/0477000 html>. Last revised 31 August 2007. Accessed 10 September 2007.	Electronic	
DMAFB#51	U.S. Census Bureau 1993	U.S. Census Bureau. 1993. "1990 Census of Population and Housing, Population and Housing Unit Counts, United States." 20 August 1993. Available online: *<http://www.census.gov/prod/cen1990/cph2/cph-2-1-1.pdf>*. Accessed 10 September 2007.	Electronic	
DMAFB#52	[redacted] 2007	[redacted] 2007. Email correspondence between [redacted] ([redacted] 355 CPTS/FMAO) and [redacted] (e²M) regarding Economic Impact Statement data for Davis-Monthan AFB. 12 September 2007.		

Davis-Monthan AFB Data Collection
30 July-3 August 2007
Finalized Interview Schedule

Day/Time	Individuals/Units/Organizations Interviewed
Monday	
0800-1030	Travel
1030-1130	D-M & e²M Staff Introductions / Meeting with BCE
1130-1230	Lunch
1230-1500	TRACON and ATC personnel (Instrument ground tracks, avoidance areas, runway usage, transient closed patterns)
1500-1730	Wing Scheduling (All Base Flying Organizations & Tenant Units)
1730-	Working Session
Tuesday	
0800-0930	162 FW - F-16 Alert Pilots/ Stand Eval.
0930-1130	355 FW – A/OA-10 Pilots / Stand Eval.
1130-1230	355 MXG - A/OA -10 Maintenance
1230-1300	Lunch
1300-1400	162 FW – Maintenance (Alert)
1400-1600	ANG Snowbirds Pilot
1600-1700	ANG Snowbirds Maintenance
1700-	Working Session
Wednesday	
0800-1100	US Customs and Border Protection - AS-350, C-210, C-550, C-172, HH-60 Pilots /Stand Eval
1100-1200	US Customs and Border Protection - Maintenance
1200-1300	Lunch
1300-1600	563 RG & 943 RG - HH-60 Pilots / Stand Eval.
1600-1700	563 RG & 943 RG - HH-60 Maintenance
1700-	Working Session
Thursday	
0800-0900	309 AMARG - F-4 Pilot/ AMARG Maintenance
0930-1230	Meet With Local Municipalities
1230-1330	Lunch
1330-1630	55 ECG (EC-130) and 563 RG (HC-130) Pilots / Stand Eval.
1630-1730	55 ECG (EC-130) and 563 RG (HC-130) Maintenance
1730-	Working Session
Friday	
0800-0900	Data Collection Wrap-up
0900-	Travel