Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 06/24/2008	Task #: 2008062313868417001	Request #: 20080623138684
Procedure: RNAV (GPS) RWY 19 ORIG		Airport ID: KHSR	Airport: HOT SPRINGS MUNI		Reimbursable #:
City: HOT SPRINGS	ST: SD	GPS #:		Estimated Chart Date: 05/31/2012	FICO #:
Fac ID:	Fac. Type: LP Proc W	Specialist: BEV L BORDY			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	12/08/2011	02/07/2012	JILL OLSON	
QA:	02/07/2012	02/08/2012	STEVEN SZUKALA	
Liaison:	02/08/2012		Terrell	

Procedure Comments: **Remark Type:** INFORMATION

pg 2 of 2

HOT SPRINGS, SD HOT SPRINGS MUNI (KHSR) RNAV (GPS) RWY 19, ORIG (LP) ENROUTE-NO FC: 4.17.12 PUB: 5.31.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): OSLUW, ORIG; WIPDO, ORIG; WOTEP, ORIG; YIVSU, ORIG.

CONTACT: JILL OLSON, AJV-353 LEAD, 405.954.9568:

WAAS CH 56628 W19A	APP CRS 192°	Rwy ldg 4506 THRE 3142 Apt Elev 3150

RNAV (GPS) RWY 19
HOT SPRINGS MUNI (HSR)

NA

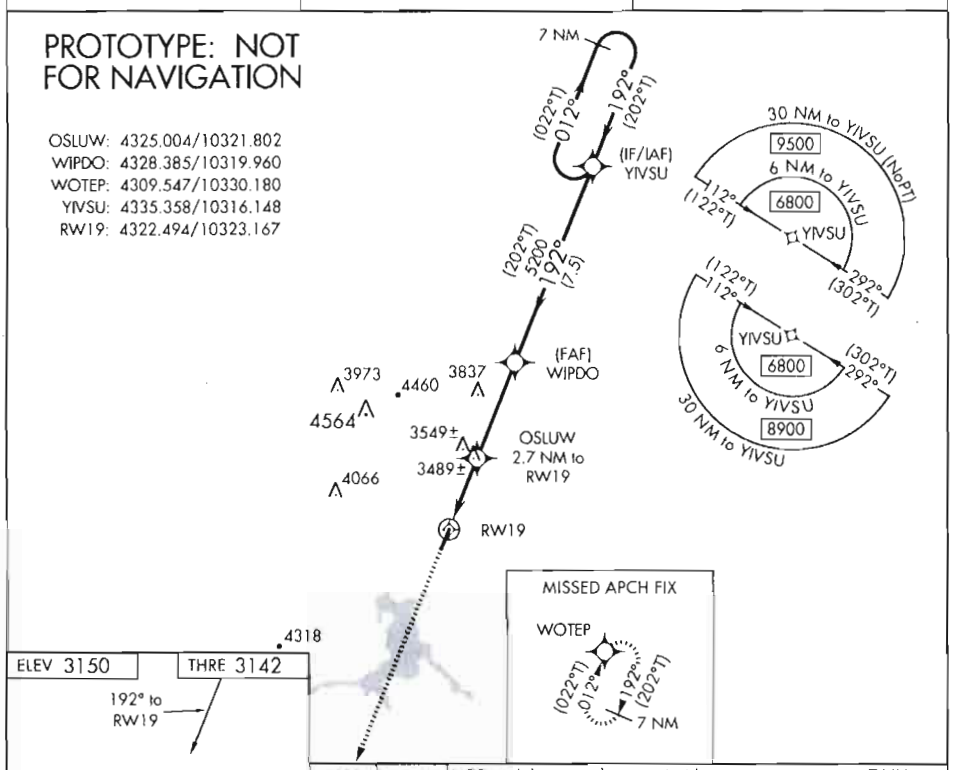
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Circling NA west of Rwy 1-19. When VGSI inop Procedure NA at night. Use Chadron ~~Mun~~ altimeter setting, when not received use Rapid City Rgnl altimeter setting and increase all MDA 20 feet, increase LNAV Cat C and D visibility ½ mile and Circling Cat C visibility ¼ mile.

MISSED APPROACH: Climb to 6600 direct WOTEP and hold.

AWOS-A	DENVER CENTER	UNICOM
122.8	127.95 338.2	122.8 (CTAF)

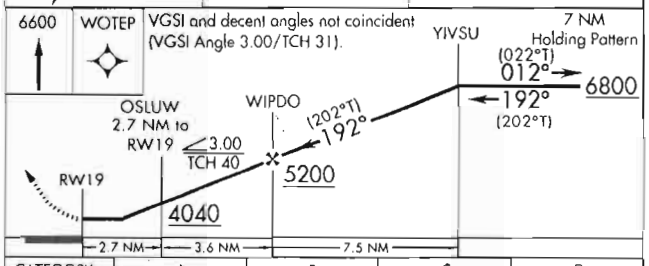
PROTOTYPE: NOT FOR NAVIGATION

OSLUW: 4325.004/10321.802
WIPDO: 4328.385/10319.960
WOTEP: 4309.547/10330.180
YIVSU: 4335.358/10316.148
RW19: 4322.494/10323.167



ELEV 3150 THRE 3142

192° to RW19



CATEGORY	A	B	C	D
LP MDA	3840-1 698 (700-1)		3840-2 698 (700-2)	
LNAV MDA	3900-1 758 (800-1)	3900-1¼ 758 (800-1¼)	3900-2 758 (800-2)	
CIRCLING	3900-1 750 (800-1)	3900-1¼ 750 (800-1¼)	3900-2¼ 750 (800-2¼)	3900-2½ 750 (800-2½)

MIRL Rwy 1-19

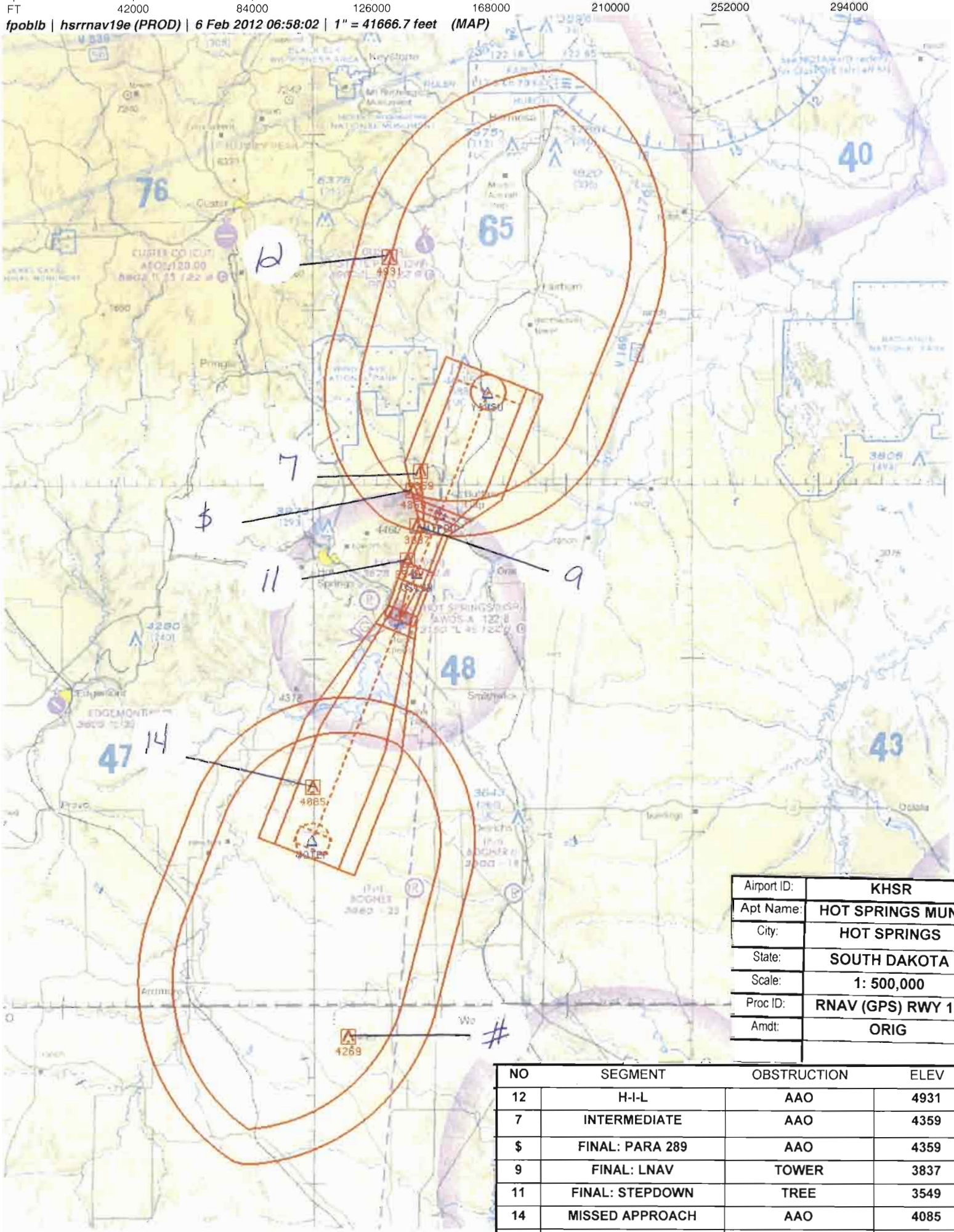
AUTOMATED AL-904 RNAV (GPS) RWY 19

NC-1
30 DEC 2011
COMPILER: CW
REVIEWER:
DBL CHKR:
EFF: FIG
UID#: 32345

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpoblb | hsrrnav19e (PROD) | 6 Feb 2012 06:58:02 | 1" = 41666.7 feet (MAP)



Airport ID:	KHSR
Apt Name:	HOT SPRINGS MUNI
City:	HOT SPRINGS
State:	SOUTH DAKOTA
Scale:	1: 500,000
Proc ID:	RNAV (GPS) RWY 19
Amdt:	ORIG

NO	SEGMENT	OBSTRUCTION	ELEV
12	H-I-L	AAO	4931
7	INTERMEDIATE	AAO	4359
$	FINAL: PARA 289	AAO	4359
9	FINAL: LNAV	TOWER	3837
11	FINAL: STEPDOWN	TREE	3549
14	MISSED APPROACH	AAO	4085

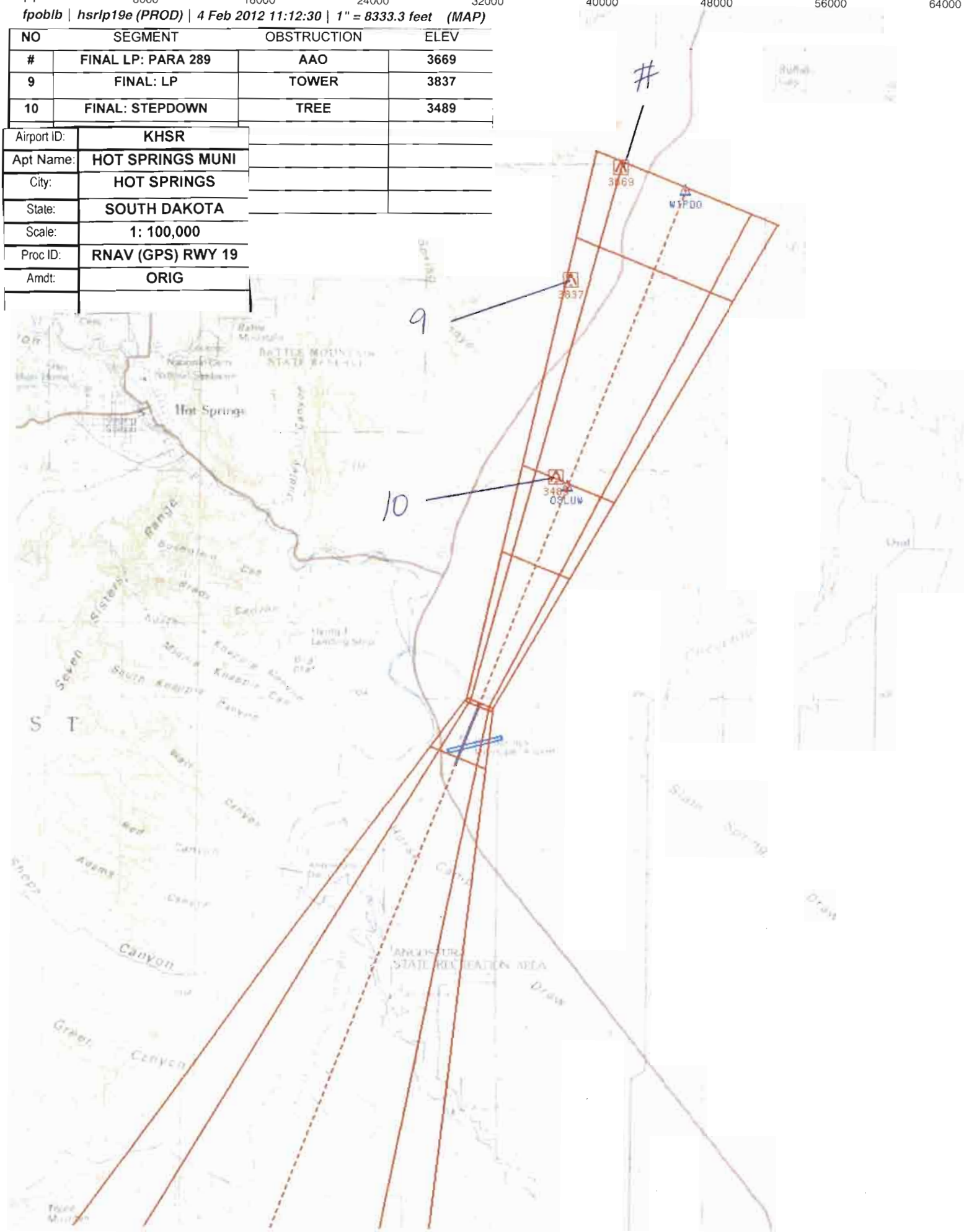
NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpoblb | hsrlp19e (PROD) | 4 Feb 2012 11:12:30 | 1" = 8333.3 feet (MAP)

NO	SEGMENT	OBSTRUCTION	ELEV
#	FINAL LP: PARA 289	AAO	3669
9	FINAL: LP	TOWER	3837
10	FINAL: STEPDOWN	TREE	3489

Airport ID:	KHSR
Apt Name:	HOT SPRINGS MUNI
City:	HOT SPRINGS
State:	SOUTH DAKOTA
Scale:	1: 100,000
Proc ID:	RNAV (GPS) RWY 19
Amdt:	ORIG



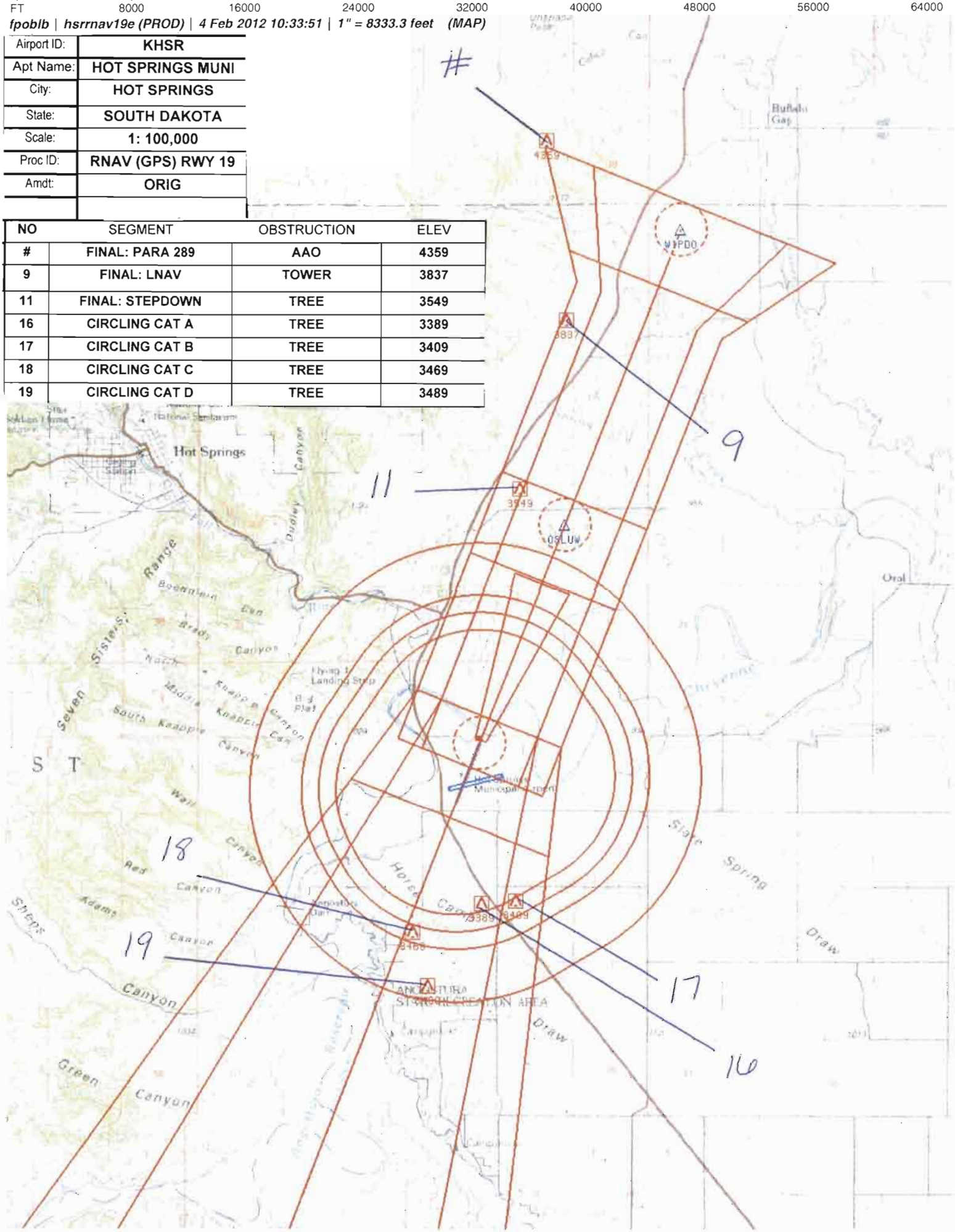
NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpoblb | hsrrnav19e (PROD) | 4 Feb 2012 10:33:51 | 1" = 8333.3 feet (MAP)

Airport ID:	KHSR
Apt Name:	HOT SPRINGS MUNI
City:	HOT SPRINGS
State:	SOUTH DAKOTA
Scale:	1: 100,000
Proc ID:	RNAV (GPS) RWY 19
Amdt:	ORIG

NO	SEGMENT	OBSTRUCTION	ELEV
#	FINAL: PARA 289	AAO	4359
9	FINAL: LNAV	TOWER	3837
11	FINAL: STEPDOWN	TREE	3549
16	CIRCLING CAT A	TREE	3389
17	CIRCLING CAT B	TREE	3409
18	CIRCLING CAT C	TREE	3469
19	CIRCLING CAT D	TREE	3489

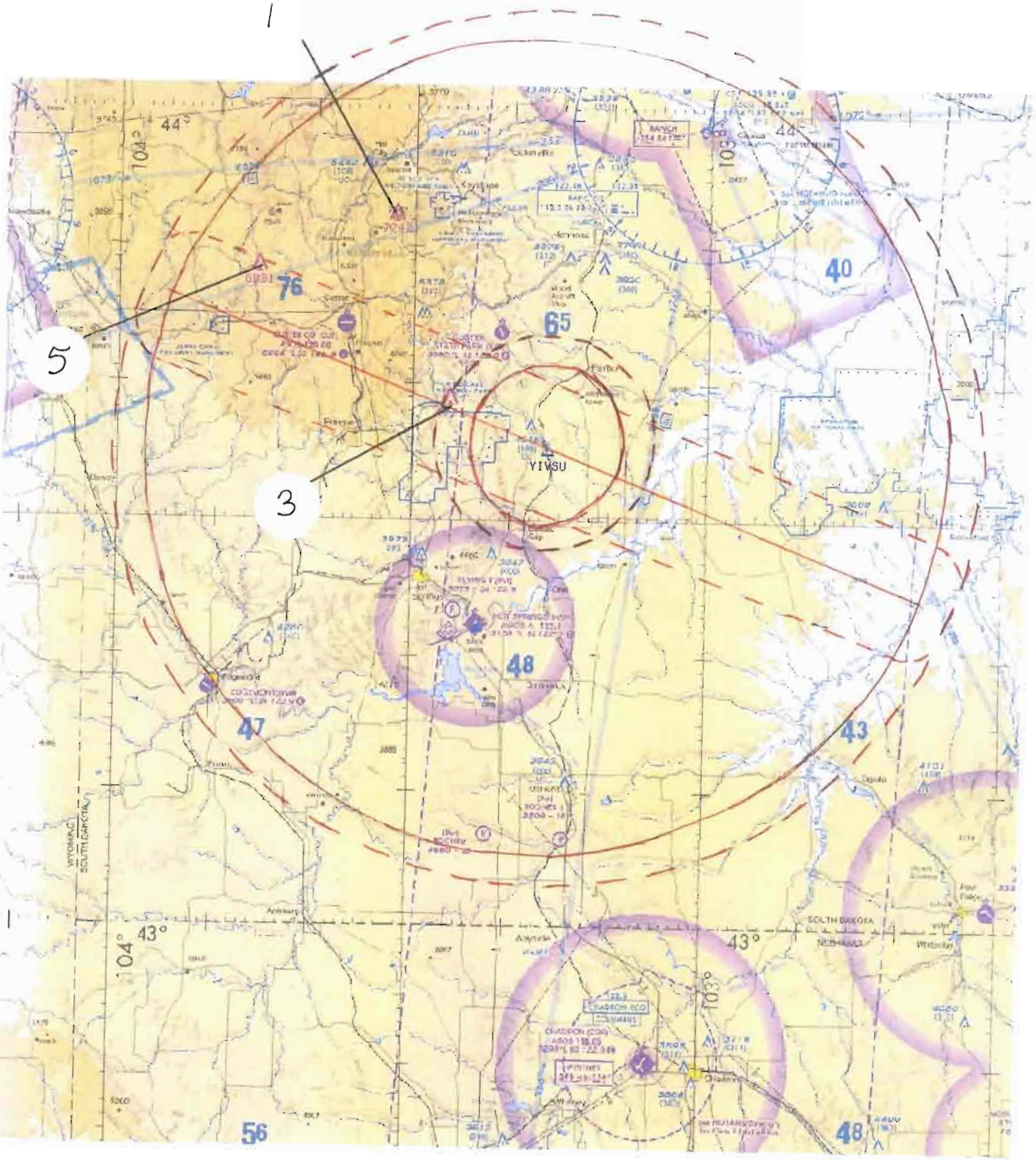


NM 10 20 30 40 50 60 70

FT 61000 122000 183000 244000 305000 366000 427000

fpoblb | hsrrnav19 (PROD) | 28 Dec 2011 14:11:26 | 1" = 60761.0 feet (MAP)

Airport ID:	KHSR	NO	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	HOT SPRINGS MUNI	1	STRAIGHT-IN (NOPT)	AAO	7442
City:	HOT SPRINGS	3	STRAIGHT-IN STEPDOWN SECTOR	AAO	4771
State:	SOUTH DAKOTA	5	STRAIGHT-IN (PT)	AAO	6831
Proc ID:	RNAV (GPS) RWY 19	3	STRIGHT-IN STEPDOWN SECTOR	AAO	4771
Amdt:	ORIG				



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
YIVSU (IF/IAF)	WIPDO (FB)	191.71 / 7.50	5200
WIPDO (FAF)	OSLUW/2.70 NM TO RW19 (FB)	191.67 / 3.64	
OSLUW/2.70 NM TO RW19	RW19 (MAP) (FO)	191.65 / 2.70	
RW19 (MAP)	3550 MSL	191.65	
3550 MSL	WOTEP (FO)		6600

MISSED APPROACH

LP: RW19
LNAV: RW19

CLIMB TO 6600 DIRECT WOTEP AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 011.55 INBOUND.
CHART FAS OBST: 3489 TREE 432501N/1032159W
CHART FAS OBST: 3549 TREE 432520N/1032230W
WAAS CHANNEL # 56628
REFERENCE PATH ID: W19A
WIPDO TO RW19: 3.00/40.
4359 AAO 432833.11N/1032059.19W.
LTP HAE: 941.6 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N YIVSU, RT, 191.71 INBOUND, 6800 FT. IN LIEU OF PT (IAF)
3. FAC: 191.67 FAF: WIPDO DIST FAF TO MAP: 6.34 THLD: 6.34
4. MIN. ALT: YIVSU 6800, WIPDO 5200, OSLUW/2.70 NM TO RW19 4040
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: ____

MAG VAR: 10E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	3840	1	698	3840	1	698	3840	2	698	3840	2	698			
LNAV MDA	3900	1	758	3900	1 1/4	758	3900	2	758	3900	2	758			
CIRCLING	3900	1	750	3900	1 1/4	750	3900	2 1/4	750	3900	2 1/2	750			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: CIRCLING NA WEST OF RWY 1-19.
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 3150 THRE: 3142 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HOT SPRINGS, SD	HOT SPRINGS MUNI	RNAV	RNAV (GPS) RWY 19, ORIG	AMDT: NONE
				DATED

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X] ZDV, AMGR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: BEV L BORDY	FIFO AJV-353	DATE: 12/27/2011

APPROVED BY		
NAME: LARRY H STROUT MANAGER	FIFO AJV-353	DATE:

CHANGES:

1. THIS REPLACES GPS RWY 19, ORIG.

REASONS:

1. FPT REQUESTED.

PDF EDIT:
ADDED (FAF) TO TERMINAL ROUTE WIPDO.
DELETED ADDITIONAL RW19 FROM 8260-3.
DELETED TCH AND GS ANGLE FROM 8260-3 AND BACK OF 8260-9.
DELETED 020 FROM HOLDING SEGMENT ON 8260-10.
DELETED RNP 2.0 FROM HOLDING LEG ON FLIGHT INSPECTION SUMMARY.
CHANGED MISSED APPROACH SEGMENT ALTITUDE FROM 3550 TO 6600 ON 8260-3 TERMINAL ROUTE.

QUALITY CHECKED

NOTES, (CONT.):
CHART NOTE: WHEN VGSI INOP, CIRCLING/STRAIGHT-IN RWY 19 PROCEDURE NA AT NIGHT.
CHART NOTE: USE CHADRON ALTIMETER SETTING, WHEN NOT RECEIVED USE RAPID CITY RGNL ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET, INCREASE LNAV CAT C AND D VISIBILITY 1/2 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	112/30 CW 292/30 (NOPT)	112/6 CW 292/6	9500
2.	112/6 CW 292/6	YIVSU (IF/IAF) (FB)	6800
3.	292/30 CW 112/30	292/6 CW 112/6	8900
4.	292/6 CW 112/6	YIVSU (IF/IAF) (FO)	6800

QUALITY CHECKED

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHSR
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	432229.6520N
LTP/FTP LONGITUDE	1032310.0325W
LTP/FTP ELLIPSOIDAL HEIGHT	+09416
FPAP LATITUDE	432106.8100N
FPAP LONGITUDE	1032355.0400W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1376
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	F243D706

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+09577
FPAP ORTHOMETRIC HEIGHT	+09577

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3150 THRE: 3142	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
HOT SPRINGS, SD	AIRPORT NAME: HOT SPRINGS MUNI	RNAV	RNAV (GPS) RWY 19, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   OSLUW K30    W     N43250026W103214810                      E0082     NAR           OSLUW
        SUSAEAENRT   WIPDO K30    W     N43282307W103195757                      E0082     NAR           WIPDO
        SUSAEAENRT   WOTEP K30    W     N43093284W103301078                      E0083     NAR           WOTEP
        SUSAEAENRT   YIVSU K30    W     N43352149W103160885                      E0081     NAR           YIVSU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHSRK3AHSR     0     045YHN43220590W103231780E010003150         1800018000C    MNAR    HOT SPRINGS MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHSRK3FR19   AYIVSU 010YIVSUK3EA0EE AR   HF                    19170070    + 06800     18000                A JS
        SUSAP KHSRK3FR19   R      010YIVSUK3EA0E  I    IF                                + 06800     18000                A JS
        SUSAP KHSRK3FR19   R      020WIPDOK3EA1E  F 051TF                    19170075    + 05200                          A JS
        SUSAP KHSRK3FR19   R      020WIPDOK3EA2WALP        N          ALNAV                                               JS
        SUSAP KHSRK3FR19   R      021OSLUWK3EA0E S  031TF                    19170036    V 0404004042        -300         A JS
        SUSAP KHSRK3FR19   R      030RW19 K3PG0GY M 031TF                    19170027      03182             -300         A JS
        SUSAP KHSRK3FR19   R      040          0  M     CA                   1917        + 03550                          A JS
        SUSAP KHSRK3FR19   R      050WOTEPK3EA0EY      DF                                + 06600                          A JS
        SUSAP KHSRK3FR19   R      060WOTEPK3EA0EE  R   HM                    01160070    + 06600                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHSRK3GRW19    0045061916 N43222965W103231003+0200    +0941603142000040100R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHSRK3PR19   RW19 001 0000W19A0N4322296520W10323100325+094160300N4321068100W10323550400106751376000400F400000F243D706
        SUSAP KHSRK3PR19   RW19 002E      +09577+09577LP        56628
```

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 3150 THRE: 3142	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HOT SPRINGS, SD	AIRPORT NAME: **HOT SPRINGS MUNI**	**RNAV**	**RNAV (GPS) RWY 19, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	YIVSU	YIVSU	010	IAF	HF	R	FO		191.7(201.7T)	007.0	AA 06800	
		YIVSU	010	FACF	IF		FB				AA 06800	
		WIPDO	020	FAF	TF		FB	0.5	191.7(201.7T)	007.5	AA 05200	
		OSLUW	021	SDF	TF		FB	0.3	191.7(201.7T)	003.6	AA 04040 GS 04042	
		RW19	030	MAP	TF		FO	0.3	191.7(201.7T)	002.7	AT 03182	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		191.7(201.7T)		AA 03550	
	WOTEP	050		DF		FO				AA 06600	
	WOTEP	060		HM	R	FO		011.6(021.6T)	007.0	AA 06600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OSLUW	N432500.26	W1032148.10	N4325.004	W10321.802
	WIPDO	N432823.07	W1031957.57	N4328.385	W10319.960
	WOTEP	N430932.84	W1033010.78	N4309.547	W10330.180
	YIVSU	N433521.49	W1031608.85	N4335.358	W10316.148
	RW19	N432229.65	W1032310.03	N4322.494	W10323.167

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW19	03142	40

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3150 THRE: 3142	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
HOT SPRINGS, SD	AIRPORT NAME: HOT SPRINGS MUNI	RNAV	RNAV (GPS) RWY 19, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
STRAIGHT-IN AREA	112/30 CW 292/30	112/6 CW 292/6	1. AAO	435159.70N/1033150.80W	7442 (6A)	2000		9500
			2. TERRAIN	435159.70N/1033150.80W	7242 (7200)		AS1500	8700
STRAIGHT-IN AREA	112/6 CW 292/6	YIVSU	3. AAO	433833.00N/1032609.00W	4771 (4E)	2000		6800
			4. TERRAIN	433833.00N/1032609.00W	4571 (4600)		AS1500	6100
STRAIGHT-IN AREA	292/30 CW 112/30	292/6 CW 112/6	5. AAO	434806.00N/1034548.00W	6831 (4E)	2000		8900
			6. TERRAIN	434806.00N/1034548.00W	6631 (6600)		AS1500	8100
STRAIGHT-IN AREA	292/6 CW 112/6	YIVSU	3. AAO	433833.00N/1032609.00W	4771 (4E)	2000		6800
			4. TERRAIN	433833.00N/1032609.00W	4571 (4600)		AS1500	6100
INTERMEDIATE	YIVSU (IF/IAF)	WIPDO	7. AAO	433025.84N/1032127.22W	4359 (2C)	500		4900
			8. TERRAIN	433025.84N/1032127.22W	4159 (4200)		AS1000	5200
FINAL: LP	WIPDO	OSLUW/2.70 NM TO RW19	9. TOWER (46-020045)	432715.91N/1032146.02W	3837 (1A)	250	XL17 RA107 SA-186	4040
FINAL: LP STEPDOWN	OSLUW/2.70 NM TO RW19	RW19	10. TREE	432501.48N/1032159.22W	3489 (2C)	250	RA100	3840
2. HOLD-IN-LIEU-OF-PT	YIVSU	P-9	12. AAO	434242.00N/1032357.00W	4931 (4E)	1000	AT869	6800
			13. TERRAIN	434242.00N/1032357.00W	4731 (4700)		AS1500	6200
3. MISSED APPROACH — MAP:	RW19 / RW19	WOTEP				ASC		6600
			14. AAO	431214.10N/1033007.80W	4085 (6A)	1000		5100
ELEV:	3740/3800		15. TERRAIN	431214.10N/1033007.80W	3885 (3900)		AS1500	5400
			16. TREE	432032.98N/1032307.82W	3389 (2C)	300	SI	3900
			17. TREE	432034.52N/1032235.45W	3409 (2C)	300	SI	3900
			18. TREE	432032.98N/1032413.10W	3469 (2C)	300	SI	3900
			19. TREE	431936.48N/1032359.06W	3489 (2C)	300	RA100	3900

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	750
CATEGORY B	1.5 NM	450	750
CATEGORY C	1.7 NM	450	750
CATEGORY D	2.3 NM	550	750
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3150 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
HOT SPRINGS, SD	HOT SPRINGS MUNI	RNAV	RNAV (GPS) RWY 19, ORIG	AGL

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ZDV ARTCC HON FSS		N W S	OTHER: ASOS	SOURCE: KCDR /KRAP
		F A A		DISTANCE: 34.34 / 43.09
		A / C		HOURS REMOTE OPERATION: 24 / 24
SATISFACTORY ON: X V H F X U H F H F	LOCATION: KCDR			ADJUSTMENT: 99.69 / 106.69

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3

5. APPROACH & RUNWAY LIGHTING		
		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 01 (PCL), 19 (PCL)
		REIL
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-2L 01 (PCL), 19 (PCL)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	NPI-G 01, 19
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: BEV L BORDY	DATE: 12/27/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

VDP NOT ESTABLISHED - REMOTE ALTIMETER SETTING IN USE.

PARA 251, 20:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/31.

RASS PRESSURE PATTERNS SAME
KCDR 3297.6, KRAP 3203.8
RA = 99.69.
SEE ATTACHED AIRSPACE LETTER.

TERPS PARAGRAPH 289 APPLIED TO 4359 AAO
432919.08N/1032205.08W.

TERPS PARAGRAPH 289 APPLIED TO 3669 AAO
432829.50N/1032104.90W. ONLY HIGHER LNAV 7:1
DOCUMENTED ON 8260-3. SHOWN HERE FOR INFORMATION
PURPOSES ON LP FINAL.

UNABLE TO VERIFY VISUAL SURFACES CLEAR DUE TO NO RWY
SURVEY.

LPV AND LNAV/VNAV LINE OF MINIMA NOT ADDED DUE TO NO
RWY SURVEY.

VEGETATION HEIGHT OF 100 FT USED PER FPT.

TERPS, VOLUME 1, CHAPTER 3, "VISUAL PORTION OF FINAL"
PENETRATIONS. FPT NOTIFIED.

20:1
RWY 1
3162 RD(N) (KHSRT0042) 432143.80N/1032332.85W (0.72).
3163 RD(N) (KHSRT0043) 432144.59N/1032334.81W (2.76).
3165 RD(N) (KHSRT0044) 432145.28N/1032337.27W (4.66).

1000 FT. OF AIRSPACE USED IN INTERMEDIATE SEGMENT PER
FPT.

NIGHT RESTRICTIONS DUE TO VISUAL SURFACE PENETRATIONS,
NO RWY 19 SURVEY, AND PER FPT.

KCDR/KRAP ASOS ON SERVICE A.

QUALITY CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LNAV	**WIPDO**	**OSLUW/2.70 NM TO**	**9. TOWER (46-020045)**	**432715.91N/1032146.02W**	**3837 (1A)**	**250**	**XL17 RA107 SA-187**	**4040**
		RW19						
FINAL: LNAV STEPDOWN	**OSLUW/2.70 NM TO**	**RW19**	**11. TREE**	**432519.90N/1032230.12W**	**3549 (2C)**	**250**	**RA100**	**3900**
	RW19							
3. MISSED APPROACH — MAP:								
ELEV:								

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3150 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
HOT SPRINGS, SD	**HOT SPRINGS MUNI**	**RNAV**	**RNAV (GPS) RWY 19, ORIG**	**AGL**

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:				2. WEATHER SERVICE			3. ALTIMETER SETTING
SATISFACTORY ON:					N W S	OTHER:	SOURCE:
					F A A		DISTANCE:
					A / C		HOURS REMOTE OPERATION:
V H F	U H F	H F		LOCATION:			ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3

5. APPROACH & RUNWAY LIGHTING		**ALS**
		(S) SALS
		MALS
		HIRL
		MIRL
		REIL
		TDZ
		C/LINE
		OTHER (SPECIFY)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING		RUNWAY THRESHOLD	FT. FROM THRESHOLD
		ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

RADIO FIX AND HOLDING DATA RECORD

NAME: OSLUW **STATE:** SD **COUNTRY:** US

LATITUDE/LONGITUDE: 432500.26N/1032148.10W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 19			KHSR	HOT SPRINGS	SD (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/31/2012

DEVELOPED BY: **DATE:** 12/27/2011 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY & CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WIPDO **STATE:** SD **COUNTRY:** US

LATITUDE/LONGITUDE: 432823.07N/1031957.57W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

REMARKS:
PFAF LOCATION DETERMINED IAW FAAO 8260.54A FORMULA 2-16B.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 19			KHSR	HOT SPRINGS	SD (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/31/2012

DEVELOPED BY: **DATE:** 12/27/2011 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WOTEP **STATE:** SD **COUNTRY:** US

LATITUDE/LONGITUDE: 430932.84N/1033010.78W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S		WP	191.55	011.55	R		7	6600	10000	9	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	425751.00N/1032718.00W	4269	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 1		1	KHSR	HOT SPRINGS	SD (US)
IAP	RNAV (GPS) RWY 19		1	KHSR	HOT SPRINGS	SD (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/31/2012

DEVELOPED BY: **DATE:** 12/20/2011 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YIVSU **STATE:** SD **COUNTRY:** US

LATITUDE/LONGITUDE: 433521.49N/1031608.85W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N		WP	011.71	191.71	R		7	6800	10000	9	10

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 19		1	KHSR	HOT SPRINGS	SD (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/31/2012

DEVELOPED BY: **DATE:** 12/27/2011 **OFFICE:** AJV-353 **NAME:** BEV L BORDY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **HOT SPRINGS** STATE: **SD**

AIRPORT NAME: **HOT SPRINGS MUNI** ID: **KHSR**

PROCEDURE: **RNAV (GPS) RWY 19** AMDT: **ORIG**

DOCKET#: **NOT REQUIRED**
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **4.34**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **201.67**
4. High Terrain in **FINAL** segment containing 1000' point **3609**
5. Distance from **THLD** to 1500' point **11.64**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **201.71**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **4159**
9. Threshold Coordinates (if straight-in) ... **432229.65N** / **1032310.03W**
10. ARP Coordinates ..... **432205.90N** / **1032317.80W**
11. Runway Approach End and distance furthest from ARP ..... RWY **19**
    Distance **0.41** NM
12. FAF Coordinates ..... **432823.07N** / **1031957.57W**

REMARKS: Approach/Drawing attached.