

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> KATY	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> WATERTOWN	<u>STATE</u> SD		
<u>AIRPORT ELEVATION</u> 1749	<u>TDZE</u> 1741	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 04/23/2020	<u>MAG VAR</u> 6E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
STUCK	IAF	BOBDE	NOPT	TF	FB	1.00	185.24	14.01	3600
CALAG	IAF	BOBDE	NOPT	TF	FB	1.00	094.20	22.27	3600
BOBDE	IF/IAF	RIKSE		TF	FB	1.00	174.25	6.19	3300
RIKSE	FAF	RW17	MAP	TF	FO	0.30	174.25	4.70	
RW17	MAP	2055 MSL		CA			174.25		
2055 MSL		APEDE		DF	FB	1.00			
APEDE		VESTY		TF	FO	1.00	153.93	9.63	4000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW17

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT APEDE AND ON TRACK 153.93 TO VESTY AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
16  
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD N BOBDE, RT, 174.25 INBOUND, 3600 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 174.25FAF: RIKSEDIST FAF TO MAP: 4.70DIST FAF TO THLD: 4.70

4. MIN ALT: BOBDE 3600, RIKSE 3300

5. DIST TO THLD FROM OM:MM:IM:150 HAT:314 HAT: 0.84GS ANT:

6. MIN GP INCPT: 3300GP ALT AT PFAF : RIKSE 3300OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 45.0

8. MSA FROM: RW17 4600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 342.86 INBOUND.  
CHART FAS OBST: 1859 TREE 445540N/0970937W.  
CHART VDP AT 1.08 NM TO RW17.  
WAAS CHANNEL # 82305  
REFERENCE PATH ID: W17A  
CHART CIRCLING ICON.  
LTP HAE: 505.4 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	2055	7/8	314	2055	7/8	314	2055	7/8	314	2055	7/8	314			
LNAV/VNAV DA	2130	1 1/8	389	2130	1 1/8	389	2130	1 1/8	389	2130	1 1/8	389			
LNAV MDA	2120	1	379	2120	1	379	2120	1	379	2120	1	379			
CIRCLING	2260	1	511	2260	1	511	2500	2 1/4	751	2500	2 1/2	751			



**CHANGES - REASONS**

1. INCORPORATED CHANGES FROM P-NOTAM FOR ORIG-A INTO FORM - 8260.19I 8-3-4.C (3).
2. UPDATED TDZE FROM "1740" TO "1741" - UPDATED AIRNAV DATA.
3. REMOVED FEEDER SEGMENT ATY VORTAC TO BOBDE. - VOR MON INITIATIVE ATY VORTAC DECOMMISSIONED.
4. ADDED TERMINAL LEGS: RIKSE TO RW17; CA LEG; 2054 MSL TO APEDE; AND APEDE TO VESTY. - 8260.58B 3-5-2.
5. UPDATED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 4000 DIRECT APEDE AND VIA 153.93 TRACK TO VESTY AND HOLD" TO "CLIMB TO 4000 DIRECT APEDE AND ON TRACK 153.93 TO VESTY AND HOLD." - 8260.19I 8-6-6.D. (11).
6. ADDED "MAX 6000" TO PROFILE LINE 2 - UPDATED IAW 8260.19I, 8-6-7.B(2).
7. UPDATED PROFILE LINE 6 FROM "GS ALT AT: RIKSE" TO "GP ALT AT PFAF: RIKSE 3300" - 8260.19I 8-6-7.F.
8. ADDED "20:1: IS CLEAR" TO PROFILE LINE 7 - 8260.19I 8-6-7.G (3).
9. DELETED "CHART NOTE: DME/DME RNP-0.3 NA" AND ADDED "RNP APCH - GPS" TO PBN REQUIREMENTS NOTE - 8260.19I 8-6-8.B (2).
10. UPDATED PROFILE NOTE FROM "VGSI AND ILS GLIDEPATH NOT COINCIDENT" TO "VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - 8260.19I 8-6-9.M (1).
11. UPDATED CHART NOTE: FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C (0°F) OR ABOVE 45°C (113°F)." TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C." - 8260.19I 8-6-9.R.
12. UPDATED LPV DA FROM 2054 TO 2055; LNAV/VNAV DA FROM 2129 TO 2130; LNAV HAT FROM 380 TO 379. - TDZE UPDATED IN AIRNAV FROM 1740 TO 1741.
13. ADDED "LTP HAE: 505.4 M" TO ADDITIONAL FLIGHT DATA. - 8260.19I 8-6-10 J.
14. BACK-UP ALTIMETER NOTES UPDATED AND MOVED TO 8260-9: PART C: REMARKS - IAW 8260.19I FOR CONTINGENCY PURPOSES.
15. DELETED PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT ATY VORTAC VIA V398 SOUTHEAST BOUND". - VOR MON INITIATIVE ATY VORTAC DECOMMISSIONED.
16. DELETED \* FROM CHART VDP AT 1.08 NM TO RW17 AND AND REMOVED "\*LNAV ONLY" FROM ADDITIONAL FLIGHT DATA. - NO LONGER REQUIRED.
17. UPDATED VISIBILITY LPV ALL CATS FROM "1" TO "7/8", LNAV/VNAV ALL CATS FROM "1 1/4" TP "1", LNAV CAT D FROM "1 1/4" TO "1". - 8260.3E, TABLE 3-3-1

**COORDINATED WITH:**A4A ☒ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ **OTHER:** ZMP, HON FSS, AMGR**FLIGHT CHECKED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

**OFFICE****DATE**

Digitally signed by

**ERIC N SUSKI**

Aug 04, 2022

**DEVELOPED BY**

DONALD H. LANIER (COLE NESBITT)

**OFFICE**

AJV-A431

**DATE**

05/03/2022

Digitally signed by

**ERIC N SUSKI**

Aug 04, 2022

**APPROVED BY**

CASIMIR TABAKA

**OFFICE**

AJV-A430

**DATE****TITLE**

MANAGER

Digitally signed by

**ERIC N SUSKI**

Aug 04, 2022



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KATY
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	445514.0160N
LTP/FTP LONGITUDE	0970903.8090W
LTP/FTP ELLIPSOIDAL HEIGHT	+05054
FPAP LATITUDE	445344.9300N
FPAP LONGITUDE	0970904.3600W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0648
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	AF17E33D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05306
FPAP ORTHOMETRIC HEIGHT	+05306



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u> KATY	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>AMDT NO.</u> ORIG-B	<u>CITY</u> WATERTOWN	<u>STATE</u> SD	<u>AIRPORT ELEVATION</u> 1749	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM  
STUCK

TO  
BOBDE

<u>RNP</u>	<u>DISTANCE</u> 14.01	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					<u>MIN ALT</u>
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	
3.TOWER (42-0475)	452024.00N/0970417.00W		2456	500	50	5D	1000					3500
4.TERRAIN	451927.00N/0970239.00W		2081 (2100)								AS1500	3600

COMPUTATIONS

ALT   KIAS   KTAS   HAA   VKTW   TR   BA   DTA   COURSE CHANGE   DVEB   VEB OCS   RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM  
CALAG

TO  
BOBDE

<u>RNP</u>	<u>DISTANCE</u> 22.27	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					<u>MIN ALT</u>
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	
5.AAO	450457.00N/0971357.00W		2146	164	98	4E	1000				AT454	3600
6.TERRAIN	450457.00N/0971357.00W		1946 (1900)								AS1500	3400

COMPUTATIONS

ALT   KIAS   KTAS   HAA   VKTW   TR   BA   DTA   COURSE CHANGE   DVEB   VEB OCS   RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM  
BOBDE (IF/IAF)

TO  
RIKSE

RNP	DISTANCE 6.19	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.TOWER (46-000591)	450658.45N/0970249.71W		2251	500	50	5D	500				DG549	3300
8.TERRAIN	450439.00N/0971415.00W		1949 (1900)								AS1000	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM  
RIKSE

TO  
RW17

RNP	DISTANCE 4.70	PAT	MAP DA	HAT 314			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
9.TREE (KATYL020)	445545.03N/0970910.67W		1811	50	20	2C		27.03:1			AC20	2055

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM  
RIKSE

TO  
RW17

<u>RNP</u>	<u>DISTANCE</u> 4.70	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 389			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
10.TREE	445539.51N/0970936.53W		1859	50	20	2C		PDA			AC20	2130

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

FINAL: LNAV

FROM  
RIKSE

TO  
RW17

<u>RNP</u>	<u>DISTANCE</u> 4.70	<u>PAT</u>	<u>MAP</u> RW17	<u>HAT</u> 379			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
10.TREE	445539.51N/0970936.53W		1859	50	20	2C	250					2120

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

BOBDE

TO

P-5

RNP	DISTANCE	PAT P-5	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
11.AAO	450942.00N/0970536.00W		2225	164	98	4E	1000				AT375	3600
12.TERRAIN	450942.00N/0970536.00W		2025 (2000)								AS1500	3500

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

MISSED APPROACH : LPV

FROM

DA

TO

VESTY

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1840					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4000
13.TOWERS 3 (42-0003)	445216.00N/0970636.00W		2132	250	50	4D	1000					3200
14.TERRAIN	445230.00N/0970642.00W		1880 (1900)								AS1500	3400

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:





MISSED APPROACH : LNAV/VNAV

FROM  
DA

TO  
VESTY

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1969					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4000
13.TOWERS 3 (42-0003)	445216.00N/0970636.00W		2132	250	50	4D	1000					3200
14.TERRAIN	445230.00N/0970642.00W		1880 (1900)								AS1500	3400

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM  
RW17

TO  
VESTY

RNP	DISTANCE	PAT	MAP	HAT			HMAS 2020					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4000
13.TOWERS 3 (42-0003)	445216.00N/0970636.00W		2132	250	50	4D	1000					3200
14.TERRAIN	445230.00N/0970642.00W		1880 (1900)								AS1500	3400

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
15.TANK (46-000086)	445510.40N/0970710.88W	1.32	511	1960	20	20	1C	300			2260
CATEGORY B											
15.TANK (46-000086)	445510.40N/0970710.88W	1.87	511	1960	20	20	1C	300			2260
CATEGORY C											
16.TOWER (46-000003)	445216.00N/0970636.00W	2.94	751	2133	250	50	4D	300		AC50	2500
CATEGORY D											
17.TOWER (46-000186)	445153.00N/0970619.00W	3.85	751	2133	500	50	5D	300		AC50	2500

CIRCLING REMARKS:

MSA

CENTER  
RW17

RADIUS  
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (42-0261)	445757.00N/0973523.00W	272	18.9	3552	500	50	5D	1000			4600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
HON FSS, ZMP ARTCC

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KATY	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KATY	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3PT	<u>LOCATION</u> KBKX	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KBKX	<u>DISTANCE</u> 39.32	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 105

WX REMARKS:  
RASS PRESSURE PATTERNS THE SAME  
KATY 1749, KBKX 1648  
RA = 104.7

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW12 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)		NPI-G	
RW30 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)		NPI-G	
RW17 - HIRL (PCL), REIL (PCL), PAPI-4L (PCL)		PIR-G	
RW35 - MALSR (PCL), HIRL (PCL), PAPI-4L (PCL)		PIR-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 1740.7	<u>TCH</u> 45.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 34.7
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> -18C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -18C	<u>APT ISA</u> +11.54C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 978 HIGH TEMP 1291.



**"VISUAL PORTION OF FINAL" PENETRATIONS**

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or  
**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

<b><u>PENETRATIONS REMARKS:</u></b>

**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

MANUAL TERRAIN EVALUATION ACCOMPLISHED IN FINAL AND VISIBILITY AREAS DUE TO DTED INACCURACY.

VNAV FINAL - SAME PSUEDO TREE AS USED ON LOC/DME BC RWY 17.

TAA NOT REQUESTED BY ATC

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BROOKINGS RGNL ALTIMETER SETTING AND INCREASE LPV DA TO 2160 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE LNAV/VNAV DA TO 2235 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 120 FEET AND LNAV VISIBILITY CAT C/D 3/8 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

VDP AND BARO-VNAV NA WHEN USING BROOKINGS RGNL ALTIMETER SETTING.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<b>AIRPORT ID</b> KATY	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 17	<b>AMDT NO.</b> ORIG-B	<b>CITY</b> WATERTOWN	<b>STATE</b> SD	<b>AIRPORT ELEVATION</b> 1749	<b>FACILITY</b> RNAV
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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.19
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.74
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	180.25
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1800
DISTANCE FROM	THLD	TO 1500FT POINT	4.76
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.00
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	180.25
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1800

THRESHOLD  
COORDINATES  
(IF STR-IN)

445514.01N/0970903.81W

ARP COORDINATES

445450.30N/0970917.00W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 12 DISTANCE 0.79 NM

FAF  
COORDINATES

445955.70N/0970902.08W

FIX NAME  
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY  
16  
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> DONALD H. LANIER (COLE NESBITT)	<u>OFFICE</u> AJV-A431	<u>DATE</u> 05/03/2022	<u>TITLE</u>
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