Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 06/17/2008	Task #: 2008061618983759002	Request #: 20080616189837
Procedure: RNAV (GPS) RWY 33 ORIG		Airport ID: K48Y	**Airport:** PINEY PINECREEK BORDER		Reimbursable #:
City: PINECREEK	**ST:** MN	GPS #:		Estimated Chart Date: 11/15/2012	FICO #:
Fac ID:	**Fac. Type:** Proc-G	**Specialist:** COLTON CROWDER			

Procedure Review

P1

	Rec'd	Rel'd	Full Name	Comments
Lead:	05/21/2012	06/28/2012	JILL OLSON	
QA:	06/28/2012	06/29/2012	STEVEN SZUKALA	
Liaison:	06/29/2012		K. Spurlin	

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

PKG 3 of 4

PINECREEK, MN PINEY PINECREEK BORDER (K48Y) RNAV (GPS) RWY 33, ORIG FC BY 9/18/12 PUB 11/15/12

ATTACHED FORMS: 8260-3, 8260-9, 8260-10
8260-2(S): COLTU INT, ORIG; FEDPO, ORIG; JURUN, ORIG; OTBEE, ORIG; TITUE INT, ORIG.

CONTACT: JILL OLSON/STEVE BARNETT, 405.954.0414/9307.

RNAV (GPS) RWY 33

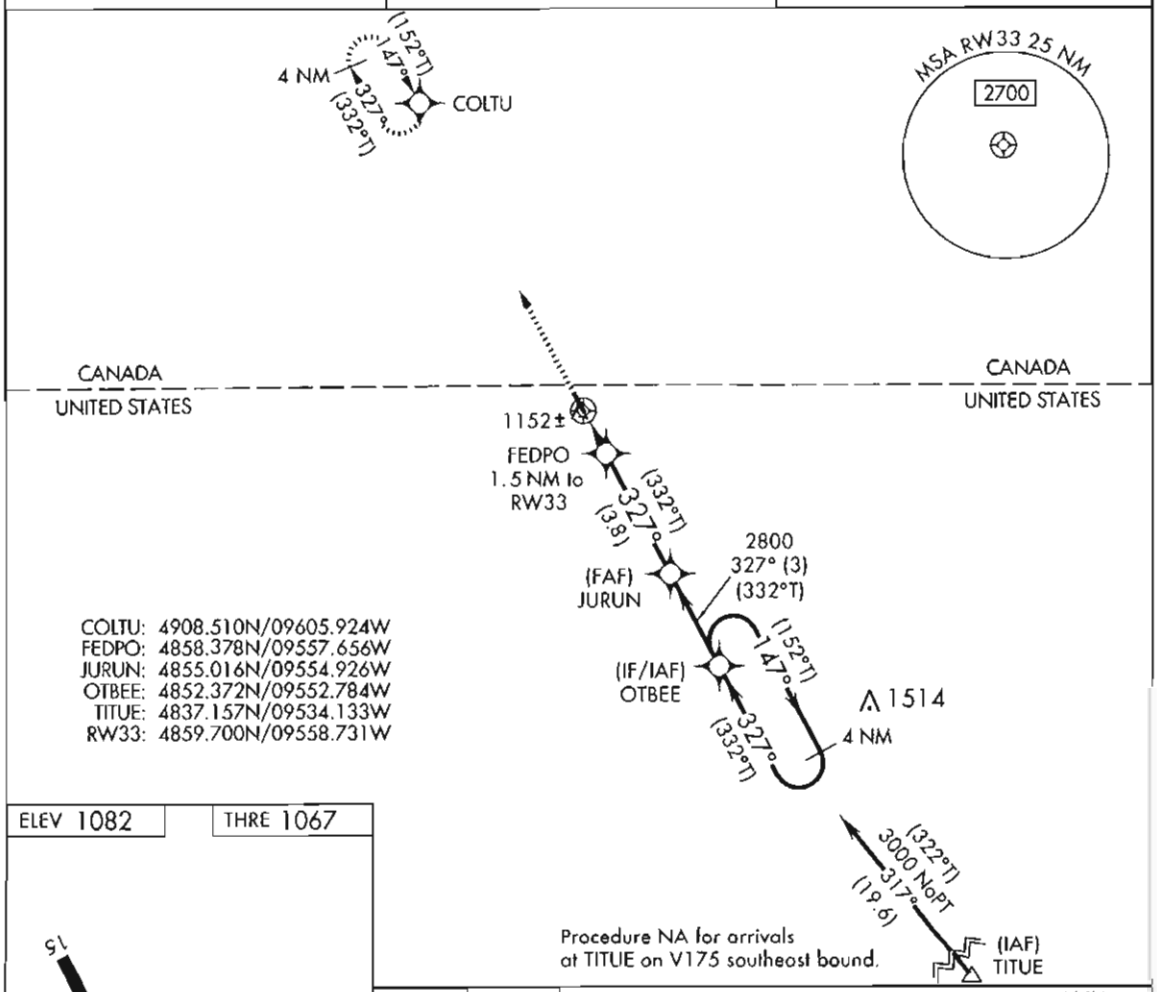
PINECREEK/ PINEY PINECREEK BORDER (48Y)

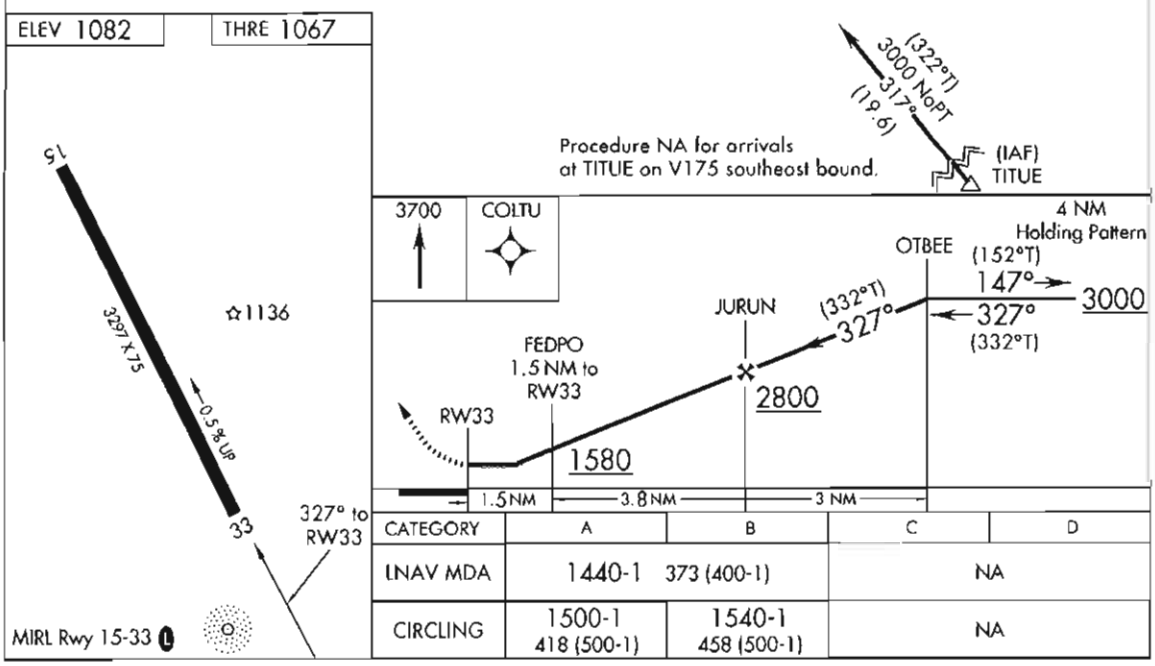
APP CRS		
327°	Rwy Idg	3297
	THRE	1067
	Apt Elev	1082

⚠ NA Circling to Rwy 15 NA at night. Use Roseau altimeter setting; when not received, use Warroad altimeter setting and increase all MDA 40 feet. DME/DME RNP-0.3 NA.

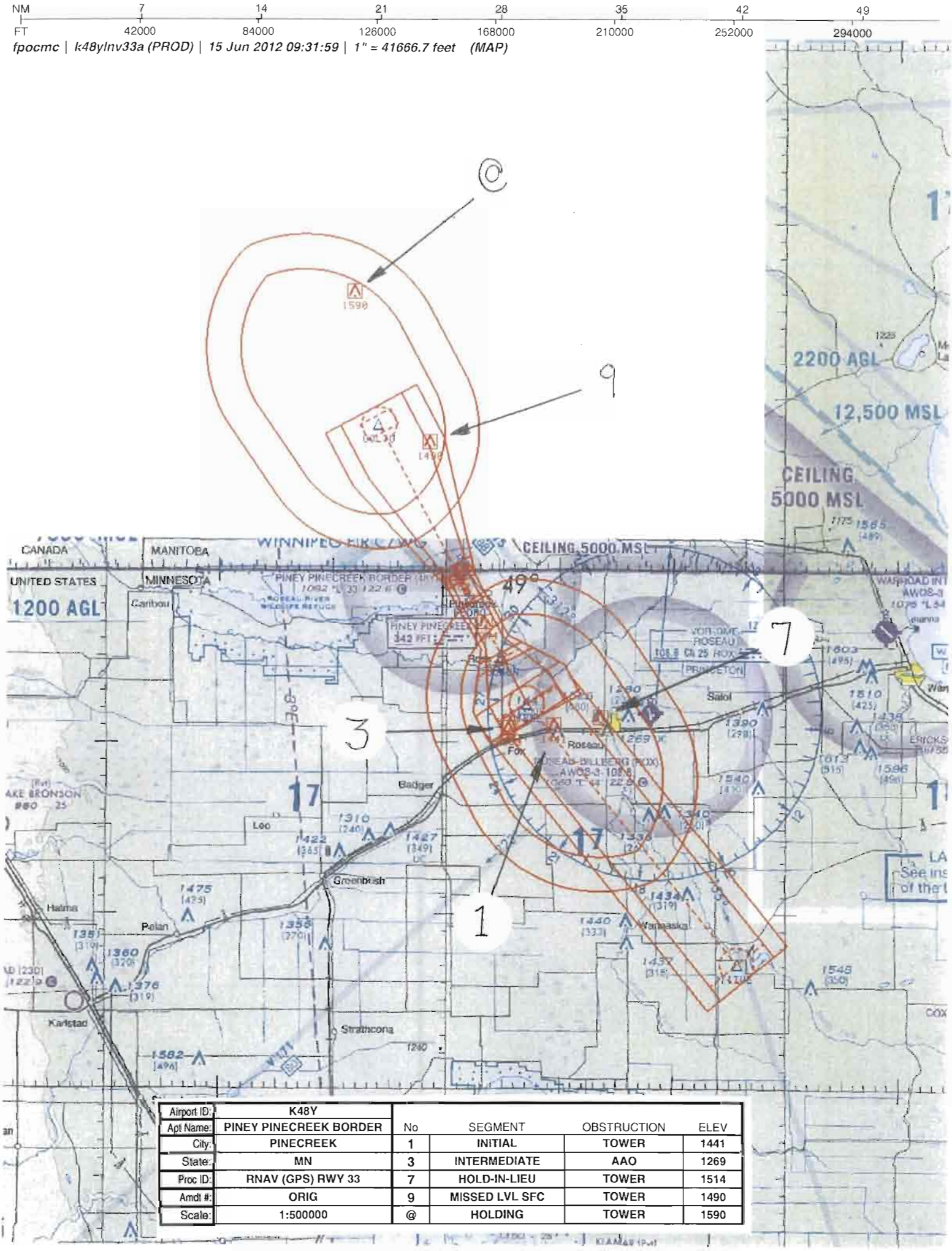
MISSED APPROACH: Climb to 3700 direct COLTU and hold.

ROSEAU AWOS-3	MINNEAPOLIS CENTER	UNICOM
108.8	134.75 251.1	122.8 (CTAF) L

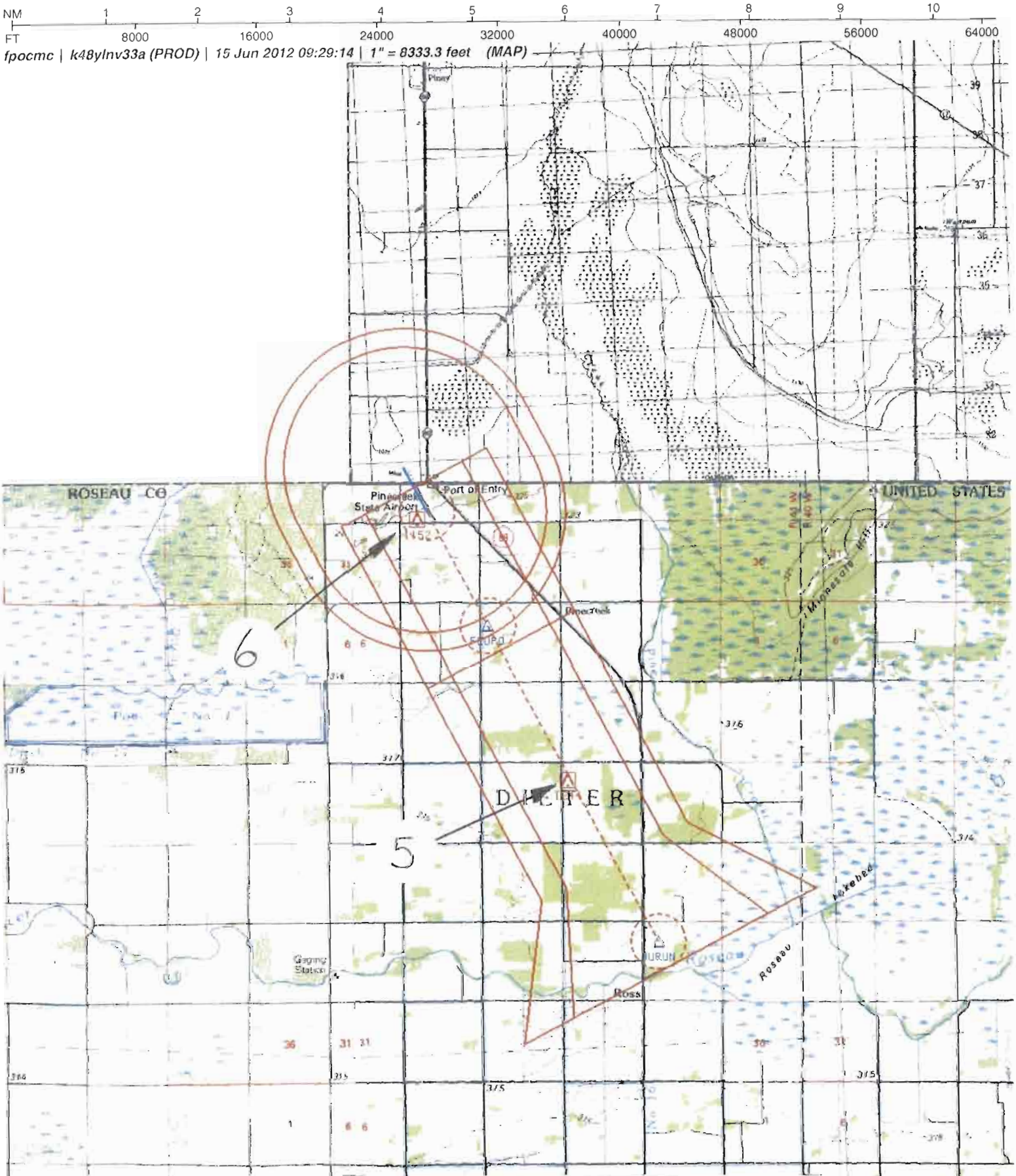




CATEGORY	A	B	C	D
LNAV MDA	1440-1	373 (400-1)	NA	
CIRCLING	1500-1 418 (500-1)	1540-1 458 (500-1)	NA	



No	SEGMENT	OBSTRUCTION	ELEV
1	INITIAL	TOWER	1441
3	INTERMEDIATE	AAO	1269
7	HOLD-IN-LIEU	TOWER	1514
9	MISSED LVL SFC	TOWER	1490
@	HOLDING	TOWER	1590



Airport ID:	K48Y
Apt Name:	PINEY PINECREEK BORDER
City:	PINECREEK
State:	MN
Proc ID:	RNAV (GPS) RWY 33
Amdt #:	ORIG
Scale:	1:100000

No	SEGMENT	OBSTRUCTION	ELEV
5	LNAV FINAL	AAO	1244
6	LNAV STEPDOWN	TREE	1152
6	CIRCLING CAT A/B	TREE	1152

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
TITUE (IAF)	OTBEE (NOPT) (FB)	316.09 / 19.60	3000
OTBEE (IF/IAF)	JURUN (FB)	326.91 / 3.00	2800
JURUN (FAF)	FEDPO/1.50 NM TO RW33 (FB)	326.88 / 3.82	
FEDPO/1.50 NM TO RW33	RW33 (MAP) (FO)	326.84 / 1.50	
RW33 (MAP)	1483 MSL	326.84	
1483 MSL	COLTU (FO)		3700

MISSED APPROACH

LNAV: RW33

CLIMB TO 3700 DIRECT COLTU AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 146.74 INBOUND.
CHART FAS OBST: 1152 TREE 485932N/0955853W
CHART US CANADIAN BORDER SUBDUED.
JURUN TO RW33: 3.00/40

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE OTBEE, RT, 326.91 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 326.88 FAF: JURUN DIST FAF TO MAP: 5.32 THLD: 5.32
4. MIN. ALT: OTBEE 3000, JURUN 2800, FEDPO/1.50 NM TO RW33 1580
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 CLEAR
8. MSA FROM: RW33 2700

MAG VAR: 5E EPOCH YEAR: 1995

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
LNAV MDA	1440	1	373	1440	1	373		NA			NA				
CIRCLING	1500	1	418	1540	1	458		NA			NA				

NOTES:
CHART NOTE: CIRCLING TO RWY 15 NA AT NIGHT.
CHART NOTE: USE ROSEAU ALTIMETER SETTING; WHEN NOT RECEIVED, USE WARROAD ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TITUE ON V175 SOUTHEAST BOUND.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1082 THRE: 1067	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PINECREEK, MN	AIRPORT NAME: PINEY PINECREEK BORDER	RNAV	RNAV (GPS) RWY 33, ORIG	AMDT: NONE
				DATED

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

COORDINATED WITH:

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

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
JILL OLSON (COLTON CROWDER)	**AJV-353**	**06/13/2012**

APPROVED BY

NAME:		FIFO	DATE:
LARRY H STROUT	**MANAGER**	**AJV-353**	

CHANGES:

ORIGINAL.

REASONS:

PER FPT REQUEST.

PDF EDITS:
ADDED (FAF) DESIGNATOR, REMOVED STEPDOWN ALTITUDE, CHANGED MISSED APPROACH ALTITUDE, REMOVED MISSED APPROACH HOLDING RNP VALUE.

QUALITY 4 CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANEAENRT   COLTU CY0    C   L N49083057W096055541                    E0025     NAR           COLTU
        SUSAEAENRT   FEDPO K30    W     N48582269W095573935                    E0024     NAR           FEDPO
        SUSAEAENRT   JURUN K30    W     N48550095W095545555                    E0024     NAR           JURUN
        SUSAEAENRT   OTBEE K30    W     N48522230W095524704                    E0023     NAR           OTBEE
        SUSAEAENRT   TITUE K30    C   L N48370940W095340800                    E0021     NAR           TITUE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 48Y K3A48Y     0     032YHN48595631W095585551E005001082         1800018000C    MNAR    PINEY PINECREEK BORDER

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 48Y K3FR33   AOTBEE 010OTBEEK3EA0EE AR   HF                    32690040    + 03000     18000                B JS
        SUSAP 48Y K3FR33   ATITUE 010TITUEK3EA0E  A    IF                                        18000                B JS
        SUSAP 48Y K3FR33   ATITUE 020OTBEEK3EA0EE B 010TF                     31610196    + 03000                          B JS
        SUSAP 48Y K3FR33   R      010OTBEEK3EA0E  I    IF                               + 03000     18000                B JS
        SUSAP 48Y K3FR33   R      020JURUNK3EA1E  F 051TF                     32690030    + 02800                RW33  K3PGB JS
        SUSAP 48Y K3FR33   R      020JURUNK3EA2WN          N          ALNAV                                              JS
        SUSAP 48Y K3FR33   R      021FEDPOK3EA0E S  031TF                     32690038    V 0158001585        -300           B JS
        SUSAP 48Y K3FR33   R      030RW33 K3PG0GY M 031TF                     32680015      01107             -300           B JS
        SUSAP 48Y K3FR33   R      040         0  M     CA                     3268        + 01483                          B JS
        SUSAP 48Y K3FR33   R      050COLTUCYEA0EY      DF                               + 03700                          B JS
        SUSAP 48Y K3FR33   R      060COLTUCYEA0EE  R   HM                     14670040    + 03700                          B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 48Y K3GRW33    0032973268 N48594197W095584384+0500    +02975010670000040075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 48Y K3SRW33 K3PG              0   18018002725                                                                  M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: **1082** **THRE: 1067**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PINECREEK, MN	AIRPORT NAME: **PINEY PINECREEK BORDER**	**RNAV**	**RNAV (GPS) RWY 33, ORIG**	AMDT: **NONE**
				DATED:

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

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**

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 SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	OTBEE	OTBEE	010	IAF	HF	R	FO		326.9(331.9T)	004.0	AA 03000	
	TITUE	TITUE	010	IAF	IF		FB					
	TITUE	OTBEE	020		TF		FB	1.0	316.1(321.1T)	019.6	AA 03000	
		OTBEE	010	FACF	IF		FB				AA 03000	
		JURUN	020	FAF	TF		FB	0.5	326.9(331.9T)	003.0	AA 02800	
		FEDPO	021	SDF	TF		FB	0.3	326.9(331.9T)	003.8	AA 01580 GS 01585	
		RW33	030	MAP	TF		FO	0.3	326.8(331.8T)	001.5	AT 01107	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		326.8(331.8T)		AA 01483	
	COLTU	050		DF		FO				AA 03700	
	COLTU	060		HM	R	FO		146.7(151.7T)	004.0	AA 03700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COLTU	N490830.57	W0960555.41	N4908.510	W09605.924
	FEDPO	N485822.69	W0955739.35	N4858.378	W09557.656
	JURUN	N485500.95	W0955455.55	N4855.016	W09554.926
	OTBEE	N485222.30	W0955247.04	N4852.372	W09552.784
	TITUE	N483709.40	W0953408.00	N4837.157	W09534.133
	RW33	N485941.97	W0955843.84	N4859.700	W09558.731

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW33	01067	40

CITY AND STATE	ELEVATION: **1082** **THRE: 1067**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PINECREEK, MN	AIRPORT NAME: **PINEY PINECREEK BORDER**	**RNAV**	**RNAV (GPS) RWY 33, ORIG**	AMDT: **NONE**
				DATED:

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

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.
INITIAL	TITUE	OTBEE	1. TOWER (27-020496)	485042.26N/0955019.60W	1441 (5E)	1000	AT559	3000
			2. TERRAIN	483842.00N/0953209.00W	1195 (1200)		AS1500	2700
INTERMEDIATE	OTBEE (IF/IAF)	JURUN	3. AAO	485031.75N/0955418.98W	1269 (2C)	500	AT1031	2800
			4. TERRAIN	485142.00N/0955439.00W	1060 (1100)		AS1500	2600
FINAL: LNAV	JURUN	FEDPO/1.50 NM TO RW33	5. AAO	485642.00N/0955624.00W	1244 (2C)	250	RA36 DG50	1580
FINAL: LNAV STEPDOWN	FEDPO/1.50 NM TO RW33	RW33	6. TREE (K48YT0008)	485932.10N/0955853.08W	1152 (1A)	250	RA36	1440
2. HOLD-IN-LIEU-OF-PT	OTBEE	P-5	7. TOWER (27-000307)	485109.53N/0954613.12W	1514 (5D)	1000	AT486	3000
			8. TERRAIN	484351.00N/0954948.00W	1123 (1100)		AS1500	2600
3. MISSED APPROACH MAP:	RW33	COLTU				ASC		3700
			9. TOWER (CA-001075)	490706.00N/0960122.00W	1490 (4D)	1000		2500
ELEV:	1304		10. TERRAIN	490754.00N/0960512.00W	1276 (1300)		AS1500	2800

4. CIRCLING AREA	DISTANCE		HT. ABV. ARPT.							
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	418	6. TREE (K48YT0008)	485932.10N/0955853.08W	1152 (1A)	300	RA36	1500
CATEGORY B	1.5 NM		450		458	6. TREE (K48YT0008)	485932.10N/0955853.08W	1152 (1A)	300	HAA	1540
CATEGORY C	1.7 NM		450								
CATEGORY D	2.3 NM		550								
CATEGORY E	4.5 NM		550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **RW33**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (CA-004752)	340/ 20.1	1670 (4D)	2700					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
PINECREEK, MN	ELEVATION: 1082 AIRPORT NAME: PINEY PINECREEK BORDER	RNAV	RNAV (GPS) RWY 33, ORIG	AGL

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
ZMP ARTCC		N W S	OTHER:	SOURCE: KROX / KRRT
		F A A	AWOS-3 / AWOS-3	DISTANCE: 14.17 / 25.29
		A / C		HOURS REMOTE OPERATION: 24 / 24
SATISFACTORY ON:				
X V H F X U H F H F	LOCATION:			ADJUSTMENT: 36 / 60

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

5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 33 (PCL), 15 (PCL)
		REIL
		TDZ
		C/LINE
		OTHER (SPECIFY)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	NPI-G 33, 15
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: JILL OLSON (COLTON CROWDER)	DATE: 06/13/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

VDP NOT ESTABLISHED - ALTIMETER ADJUSTMENTS IN USE, VDP IS LESS THAN 0.5 NM AFTER STEPDOWN.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TAA NOT USED PER FPT.

LP NOT AUTHORIZED - 20 FT REDUCTION NOT GAINED.

CANADIAN AIRSPACE LETTER ATTACHED.

RASS PRESSURE PATTERNS SAME
K48Y 1082, KROX 1060, K48Y 1082, KRRT 1076
RA = 35.66; 59.12.
SEE ATTACHED AIRSPACE LETTER.

TERPS VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS.

(RWY 15) 20:1
1087 TREE (K48YT0148) 490013.28N/0955906.23W (4.45)
1086 TREE (K48YT0149) 490013.37N/0955906.07W (3.30)

FPT NOTIFIED OF UNLIT PENETRATIONS.

HIGHEST INTERMEDIATE OBSTACLE USED.

KROX AWOS-3 IS ON SERVICE A.
KRRT AWOS-3 IS ON SERVICE A.

RADIO FIX AND HOLDING DATA RECORD

NAME: COLTU **STATE:** **COUNTRY:** CA

LATITUDE/LONGITUDE: 490830.57N/0960555.41W **TYPE:** WP, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ROSEAU	ROX	VOR/DME	L	312.37	317.37	23.49	23.49		3700	17500

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	NW		WP	326.74	146.74	R		4	3700	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (CA-004394)	491546.00N/0960805.00W	1590	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V175	1				(CA)
IAP	RNAV (GPS) RWY 15		1	K48Y	PINECREEK	MN (US)
IAP	RNAV (GPS) RWY 33		1	K48Y	PINECREEK	MN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/13/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (COLTON CROWDER)

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: FEDPO **STATE:** MN **COUNTRY:** US

LATITUDE/LONGITUDE: 485822.69N/0955739.35W **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 33			K48Y	PINECREEK	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/07/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (COLTON CROWDER)

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: JURUN **STATE:** MN **COUNTRY:** US

LATITUDE/LONGITUDE: 485500.95N/0955455.55W **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 33			K48Y	PINECREEK	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/12/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (COLTON CROWDER)

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: OTBEE **STATE:** MN **COUNTRY:** US

LATITUDE/LONGITUDE: 485222.30N/0955247.04W **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	SE		WP	146.91	326.91	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-000307)	485109.53N/0954613.12W	1514	5D

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 15		1	K48Y	PINECREEK	MN (US)
IAP	RNAV (GPS) RWY 33		1	K48Y	PINECREEK	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/12/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (COLTON CROWDER)

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: TITUE **STATE:** MN **COUNTRY:** US

LATITUDE/LONGITUDE: 483709.40N/0953408.00W **TYPE:** WP, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ROSEAU	ROX	VOR/DME	L	155.45	160.45	15.00	15.00		7000	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V175	1				(US)
IAP	RNAV (GPS) RWY 33			K48Y	PINECREEK	MN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/12/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (COLTON CROWDER)

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

SIGNATURE:

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

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **PINECREEK** STATE: **MN**

AIRPORT NAME: **PINEY PINECREEK BORDER** ID: **K48Y**

PROCEDURE: **RNAV (GPS) RWY 33** 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	**2.67**
(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	**331.88**
4. High Terrain in	**FINAL**	segment containing 1000' point	**1070**
5. Distance from	**THLD**	to 1500' point	**4.60**
(If 1500' point in PT maneuvering area or holding pattern note in remarks)			
6. Width of	**FINAL**	segment at 1500' point	**1.76**
7. True Course of	**FINAL**	segment containing 1500' point	**331.88**
8. High Terrain in	**FINAL**	segment containing 1500' point	**1070**

9. Threshold Coordinates (if straight-in) ... **485941.97N** / **0955843.84W**

10. ARP Coordinates ..... **485956.31N** / **0955855.84W**

11. Runway Approach End and distance furthest from ARP ..... RWY **33**

11. Runway Approach End and distance furthest from ARP ..... RWY **33**

Distance **0.27** NM

12. FAF Coordinates ..... **485500.95N** / **0955455.55W**

REMARKS: Approach/Drawing attached.