

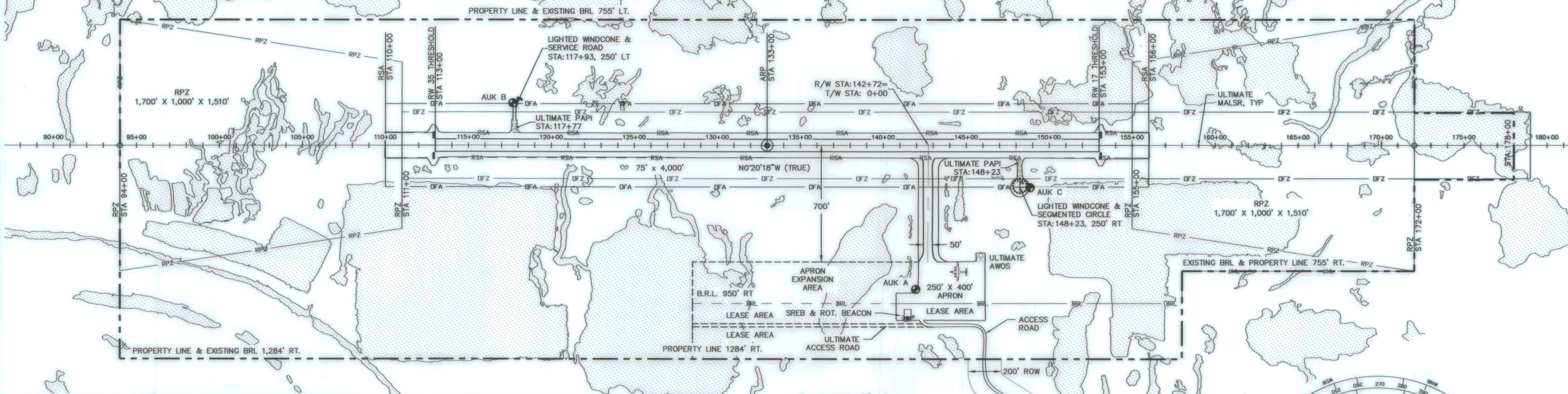
**NOTES:**

- NO OFZ OBJECT PENETRATIONS.
- UNITS ARE IN U.S. SURVEY FEET. OBSERVED LATITUDE AND LONGITUDE ARE BASED ON NAD83 (2007).



AIRPORT SURVEY CONTROL			
MONUMENT	LATITUDE	LONGITUDE	ELEVATION
AUK A	62°41'07.74224" N	164°43'01.28484" W	18.5'
AUK B	62°40'43.90339" N	164°43'25.57308" W	14.3'
AUK C	62°41'14.55599" N	164°43'14.30398" W	11.3'

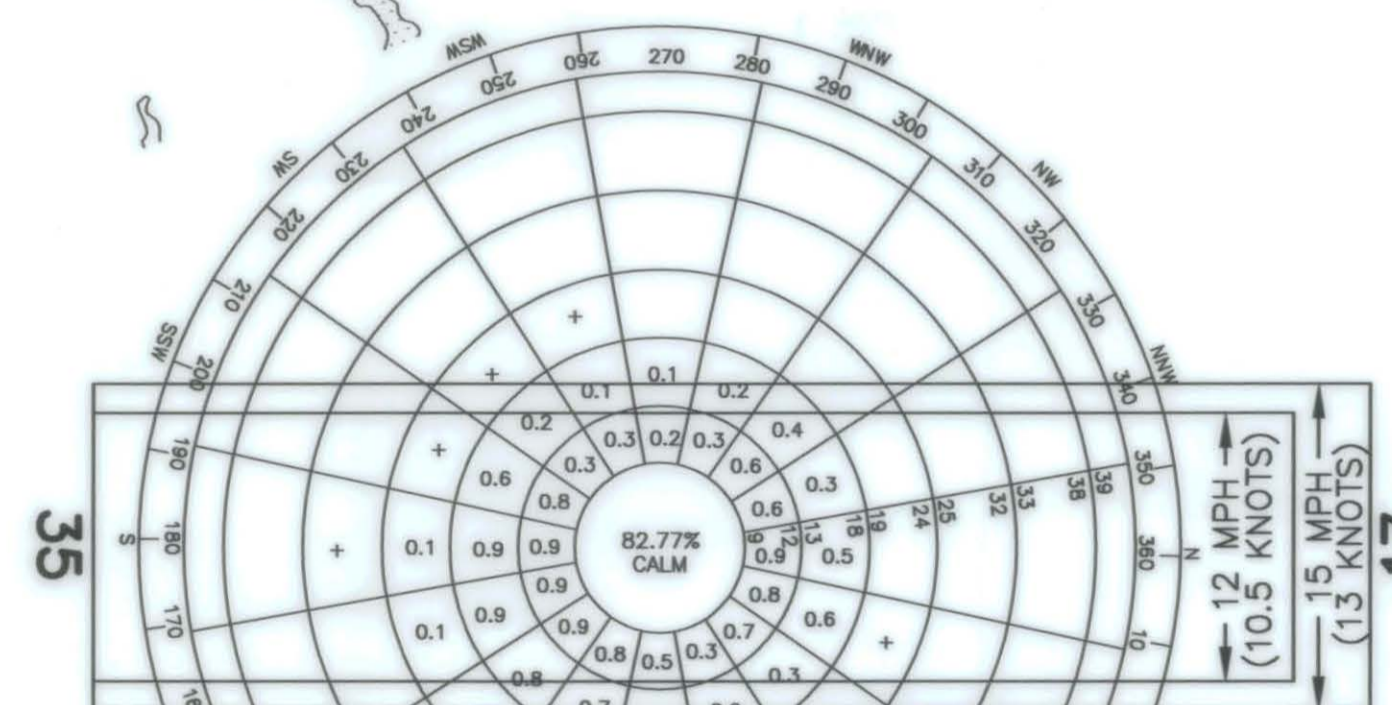
GEOGRAPHIC COORDINATES				
ITEM	EXISTING LATITUDE*	EXISTING LONGITUDE*	EXISTING ELEVATION	ULTIMATE LATITUDE/LONGITUDE/ELEVATION
AIRPORT REFERENCE POINT (ARP)	N62° 40' 58.98"	W164° 43' 19.93"	21.4'	SAME
RW 17 THRESHOLD	N62° 41' 18.67"	W164° 43' 19.68"	21.6'	SAME
RW 35 THRESHOLD	N62° 40' 39.29"	W164° 43' 20.18"	21.6'	SAME



RUNWAY DATA		
ITEM	EXISTING	ULTIMATE
RW 17-35		
F.A.R. PART 77 APPROACH CATEGORY	V	NPI
F.A.R. PART 77 APPROACH SLOPE	20:1	34:1
APPROACH SLOPE/OCS*	20:1	SAME
VISIBILITY MINIMUMS	≥1 MI.	≥3/4 MI.
RUNWAY SURFACE	GRAVEL	SAME
RUNWAY DESIGN CODE (RDC)	B-II-VIS	B-II-4000
RUNWAY REFERENCE CODE (RRC)	B/II/VIS	B/II/4000
RUNWAY DIMENSIONS	75' X 4,000'	SAME
TRUE BEARING	N0° 20' 18"E	SAME
PERCENT EFFECTIVE GRADIENT	0.0%	SAME
RUNWAY SAFETY AREA (RSA) DIMENSIONS	150' X 4,600'	SAME
RSA LENGTH BEYOND RUNWAY ENDS	300'	SAME
RUNWAY OBJECT FREE AREA (ROFA) DIMENSIONS	500' X 4,600'	SAME
ROFA LENGTH BEYOND RUNWAY ENDS	300'	SAME
RUNWAY OBSTACLE FREE ZONE (ROFZ) DIMENSIONS	400' X 4,400'	SAME
INNER-APPROACH OFZ	N/A	RW 17 = 400' X 2,400' RW 35 = N/A
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	1,700' X 1,000' X 1,510'	SAME
RUNWAY LIGHTING	MIRL	HIRL
RUNWAY MARKINGS	NONE	SAME
RUNWAY NAVIGATIONAL AND VISUAL APPROACH AIDS	NONE	MALSR, PAPI, REIL
TOUCHDOWN ZONE ELEVATIONS	21.7'/21.6'	SAME
*FROM FAA AC 150/5300-13A		

LEGEND		
ITEM	EXISTING	ULTIMATE
AIRPORT REFERENCE POINT	●	○
AWOS	○	○
BUILDING	□	□
BUILDING RESTRICTION LINE	— BRL —	— BRL —
FENCE	X	X
MALSR/RAIL	—	—
PAPI	□ □ □ □	□ □ □ □
PROPERTY LINE	—	—
REIL	—	—
ROADWAYS	—	—
ROTATING BEACON	⊙	⊙
SURVEY MONUMENT	○	○
THRESHOLD LIGHTS	—	—
TREELINE	—	—
WINDCONE	⊙	⊙
WINDCONE WITH SEGMENTED CIRCLE	⊙	⊙
OPEN WATER	—	—
RUNWAY/TAXIWAY CENTERLINE	—	—
TREE (LARGE SINGLE)	⊙	⊙
OVERHEAD POWERLINE	—	—

AIRPORT DATA		
ITEM	EXISTING	ULTIMATE
ICAO IDENTIFIER		PAUK
NATIONAL AIRPORT IDENTIFIER		AUK
FAA SITE NUMBER		50024.1A
AIRPORT REFERENCE CODE (ARC)	B-II	SAME
AIRPORT ELEVATION (NAVD 88)	21.7'	SAME
AIRPORT AND TERMINAL NAVIGATION AIDS	AIRPORT BEACON, VOR	AIRPORT BEACON, AWOS, GPS, VOR
TAXIWAY LIGHTING	MITL	SAME
RAMP LIGHTING	MITL	SAME
MEAN DAILY MAX. TEMPERATURE, HOTTEST MONTH		60°, JULY
MAGNETIC DECLINATION, RATE OF CHANGE, YEAR		11° 32' E, 14' W PER YEAR, JAN 2015
OBSTRUCTION SURVEY SOURCE & TYPE		VERTICALLY GUIDED AIRPORT AIRSPACE ANALYSIS SURVEY BY R&M CONSULTANTS, INC. AUG. 2010/DEC 2012. IMAGERY ACQUIRED AUG 2011



**WIND DATA**  
 PERCENT WIND COVERAGE:  
 12 MPH (10.5 KNOT) = 94.5%  
 15 MPH (13 KNOT) = 98.2%  
 WIND DATA PERIOD:  
 11/7/96 - 5/31/98  
 SOURCE: UNIVERSITY OF ALASKA FAIRBANKS, WATER AND ENVIRONMENTAL RESEARCH CENTER

Plotted 1/16/2014 10:15 AM by Casey Smith  
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DESIGN	PRB	BY	DATE	REVISIONS
DRAWN	CLS	PRB	11/25/13	UPDATED PER DEC. 2012
CHECKED	EJG			AERONAUTICAL SURVEY

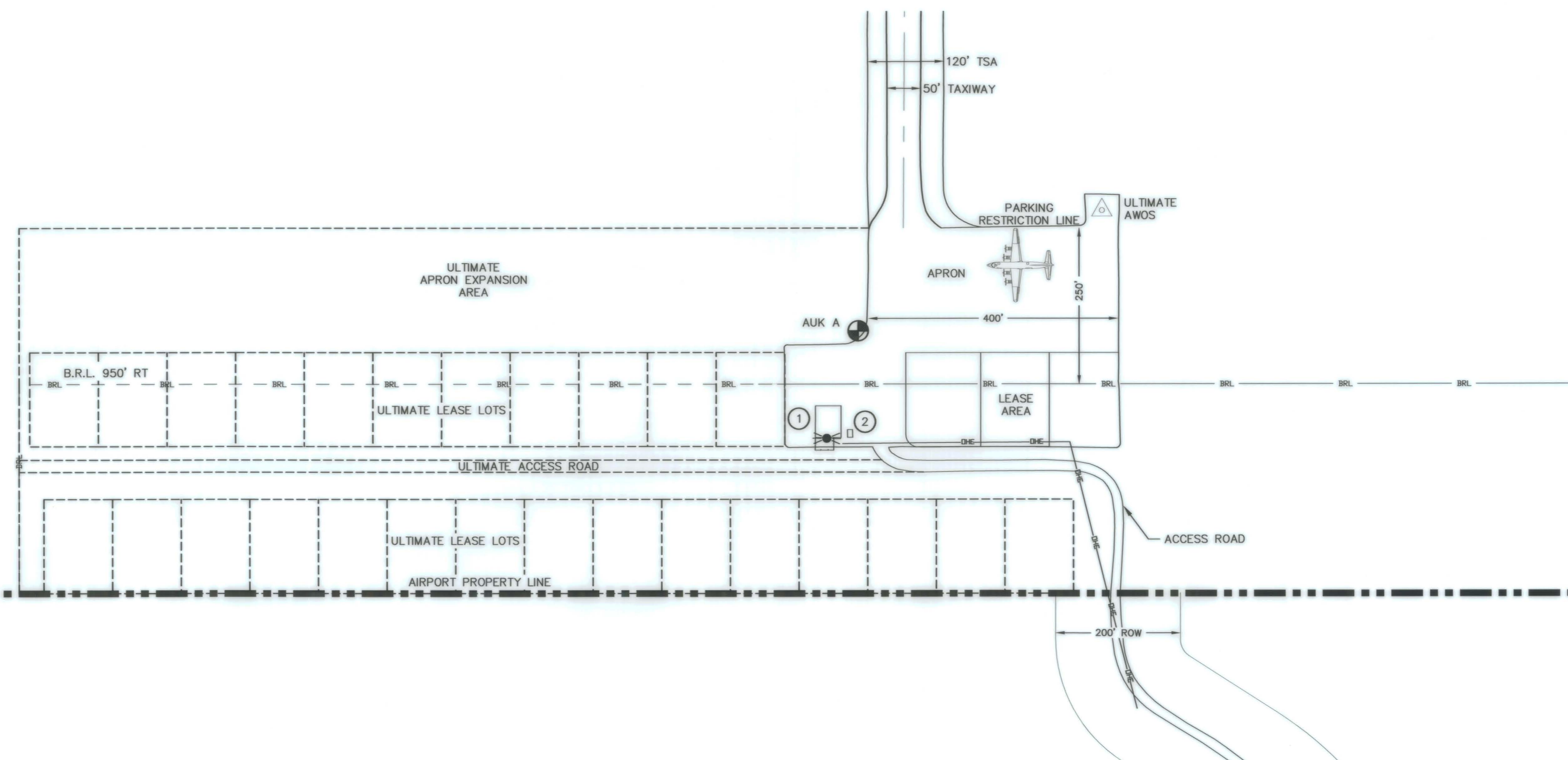
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 NORTHERN REGION - DESIGN AND CONSTRUCTION - AVIATION  
 APPROVED  
*Albert M. Beck* DATE 1-27-14  
 ALBERT M.L. BECK, P.E. AIRPORT DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED  
 BY LETTER DATED: 2/2/14  
*P.O.D.*  
 AIRPORTS DIVISION  
 ALASKAN REGION AAL-601  
 AIRSPACE # 2000-AAL-20-NRA

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.  
 THIS ALP SUPERSEDES ALP SIGNED: 8/14/00  
 300' 150' 0 300' 600' 900'

**ALAKANUK AIRPORT**  
**AIRPORT LAYOUT PLAN**  
 AIRPORT LAYOUT PLAN

SHEET  
 1 OF 4



TAXIWAY DATA					
TAXIWAY	WIDTH (FEET)	SAFETY AREA WIDTH (FEET)	OBJECT FREE AREA WIDTH (FEET)	AIRPLANE DESIGN GROUP	INTERSECTION WITH RUNWAY CENTERLINE
EXISTING TAXIWAY	50'	120'	186'	II	142+72

BUILDING DATA					
ID#	DESCRIPTION	TOP ELEVATION	SURFACE PENETRATION	OBSTRUCTION MARKING	
				EXISTING	ULTIMATE
1	SREB	46.2'	NO	NO	NO
	ROTATING BEACON	49.7'	NO	NO	NO
2	ELECTRICAL EQUIPMENT ENCLOSURE	22.3'	NO	NO	NO

**NOTES:**  
 1. TAXIWAY DIMENSIONS ARE BASED ON DESIGN GROUP III.

Plotted: 1/16/2014, 10:15 AM by Casey Smith  
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DESIGN PRB	BY DATE	REVISIONS
DRAWN CLS	PRB 11/25/13	UPDATED PER DEC. 2012 AERONAUTICAL SURVEY
CHECKED EJG		

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 NORTHERN REGION - DESIGN AND CONSTRUCTION - AVIATION  
 APPROVED  
*Albert M.L. Beck* DATE 1-27-14  
 ALBERT M.L. BECK, P.E. AIRPORT DESIGN GROUP CHIEF

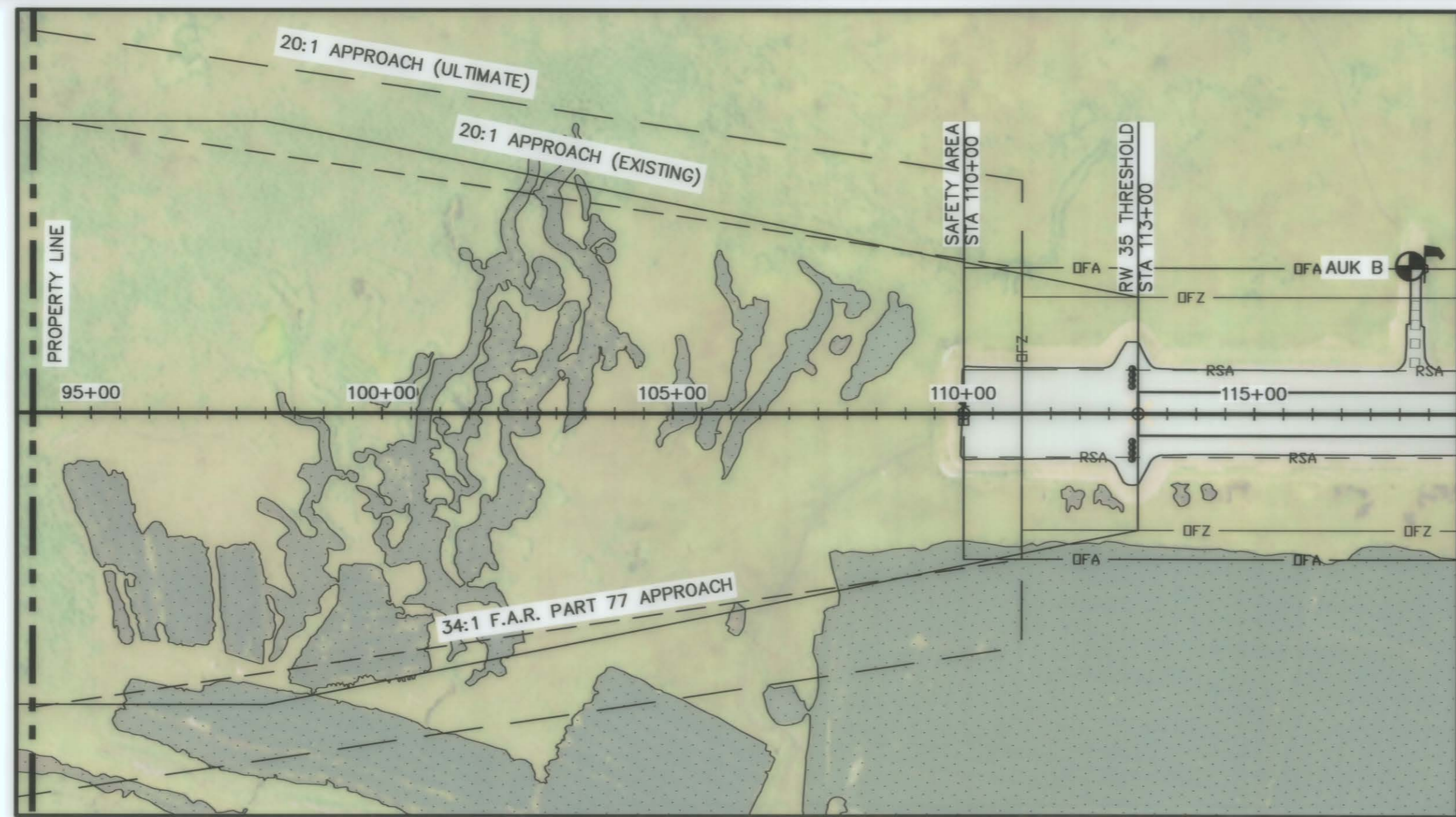
AIRPORT LAYOUT PLAN APPROVED  
 BY LETTER DATED: 2/3/14  
*P.O.*  
 AIRPORTS DIVISION  
 ALASKAN REGION AAL-601  
 AIRSPACE # 2000-AAL-20-NRA

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.  
 THIS ALP SUPERSEDES ALP SIGNED: 8/14/00  
 100' 50' 0 100' 200' 300'

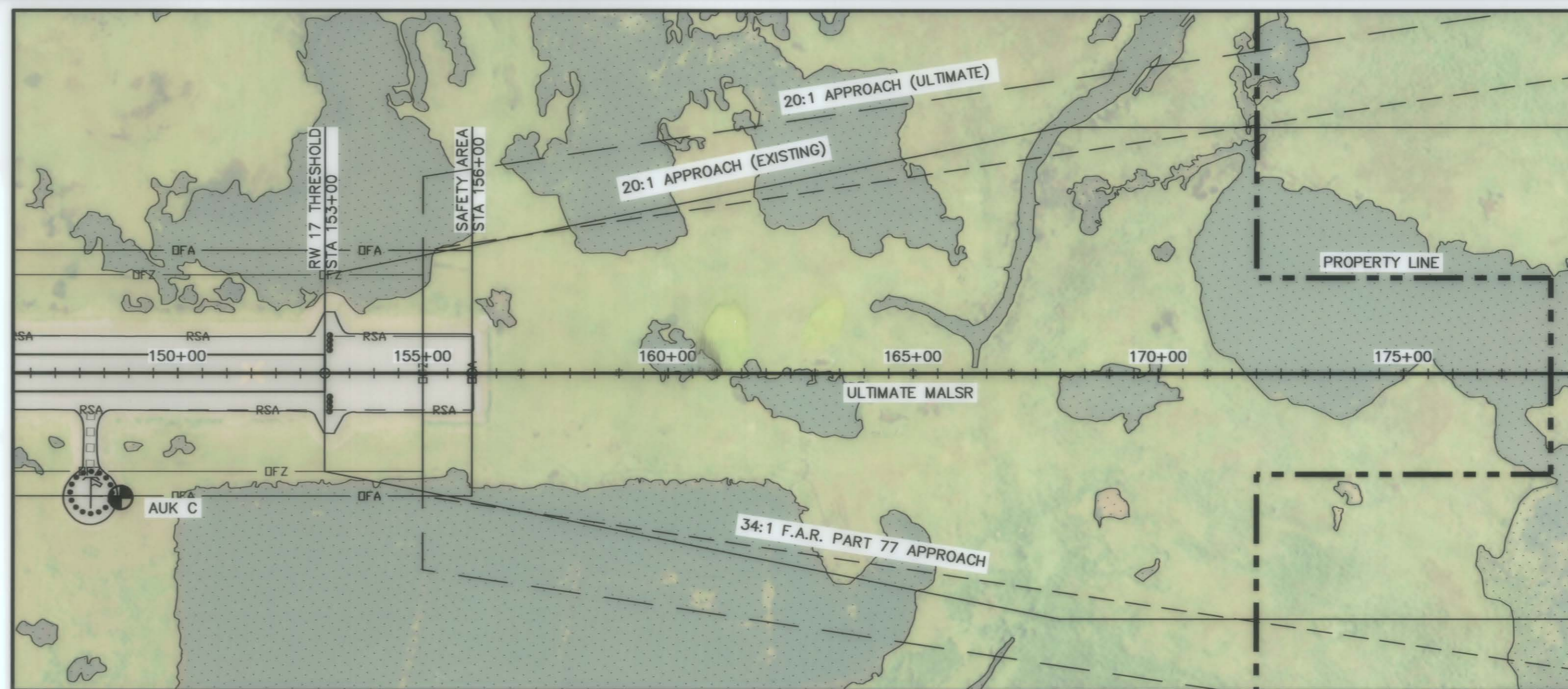
**ALAKANUK AIRPORT  
 AIRPORT LAYOUT PLAN  
 TERMINAL AREA PLAN**

SHEET  
 2 OF 4

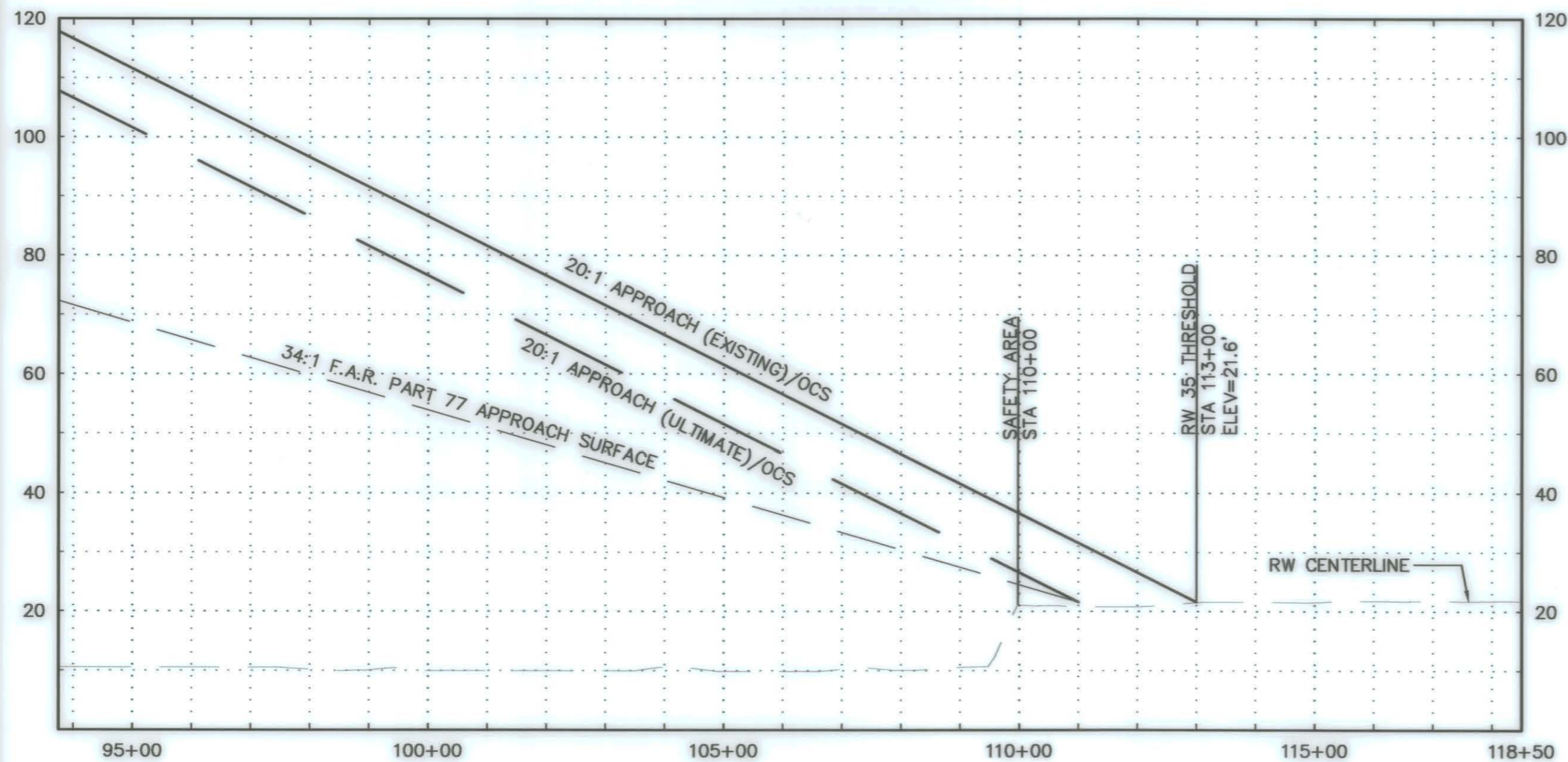
Plotted 1/15/2014 3:05 PM by Casey Smith  
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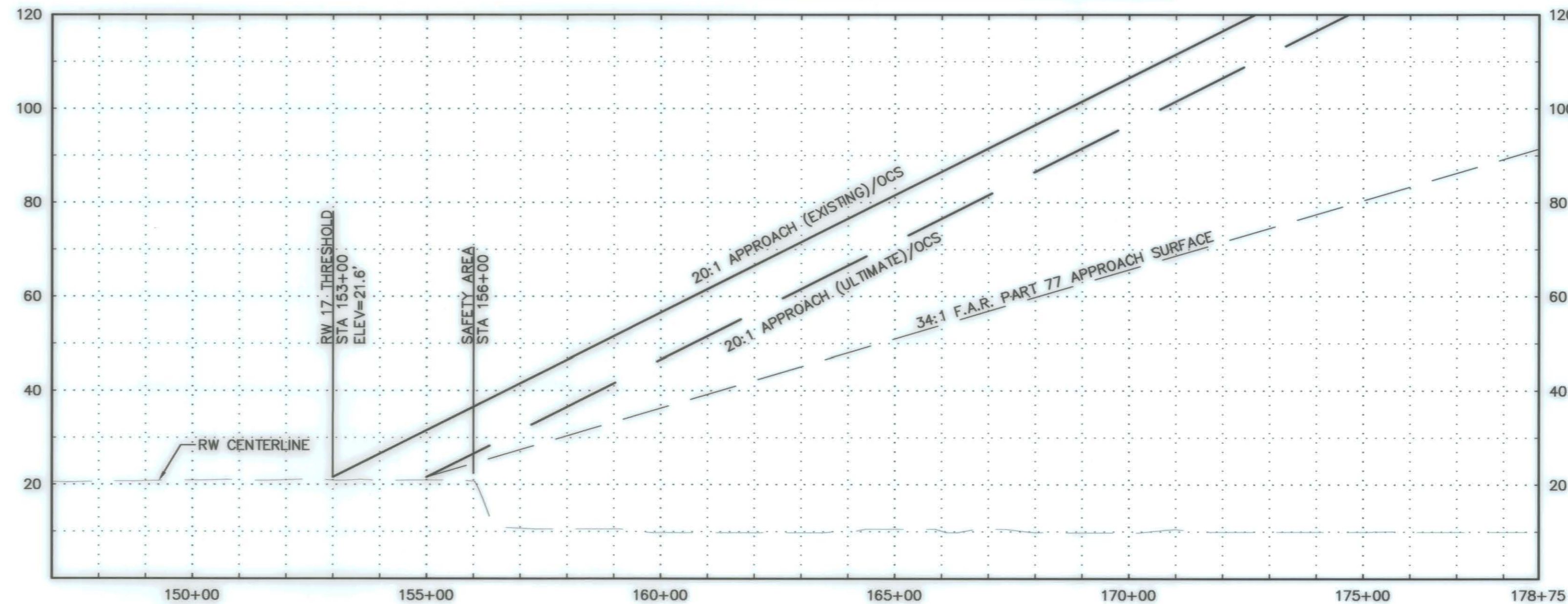
**RW 35 INNER APPROACH PLAN**



**RW 17 INNER APPROACH PLAN**



**RW 35 INNER APPROACH PROFILE**



**RW 17 INNER APPROACH PROFILE**

**NOTES:**

1. THERE ARE NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.
2. THE HIGHEST THRESHOLD SITING CRITERIA (EXISTING) IS A 20:1 OBSTRUCTION CLEARANCE SLOPE (OCS) FOR VISUAL (DAY/NIGHT) APPROACH FOR LARGE AIRCRAFT. REFERENCE AC 150/5300-13A, TABLE 3-2, ROW 3.
3. THE HIGHEST THRESHOLD SITING CRITERIA (ULTIMATE) IS A 20:1 OCS FOR INSTRUMENT NIGHT OPERATIONS SERVING GREATER THAN APPROACH CATEGORY B AIRCRAFT. REFERENCE AC 150/5300-13A, TABLE 3-2, ROW 5.

DESIGN	PRB	BY	DATE	REVISIONS
DRAWN	CLS	PRB	11/25/13	UPDATED PER DEC. 2012 AERONAUTICAL SURVEY
CHECKED	EJG			

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 NORTHERN REGION - DESIGN AND CONSTRUCTION - AVIATION  
 APPROVED  
*Albert M.L. Beck* DATE 1.27.14  
 ALBERT M.L. BECK, P.E. AIRPORT DESIGN GROUP CHIEF

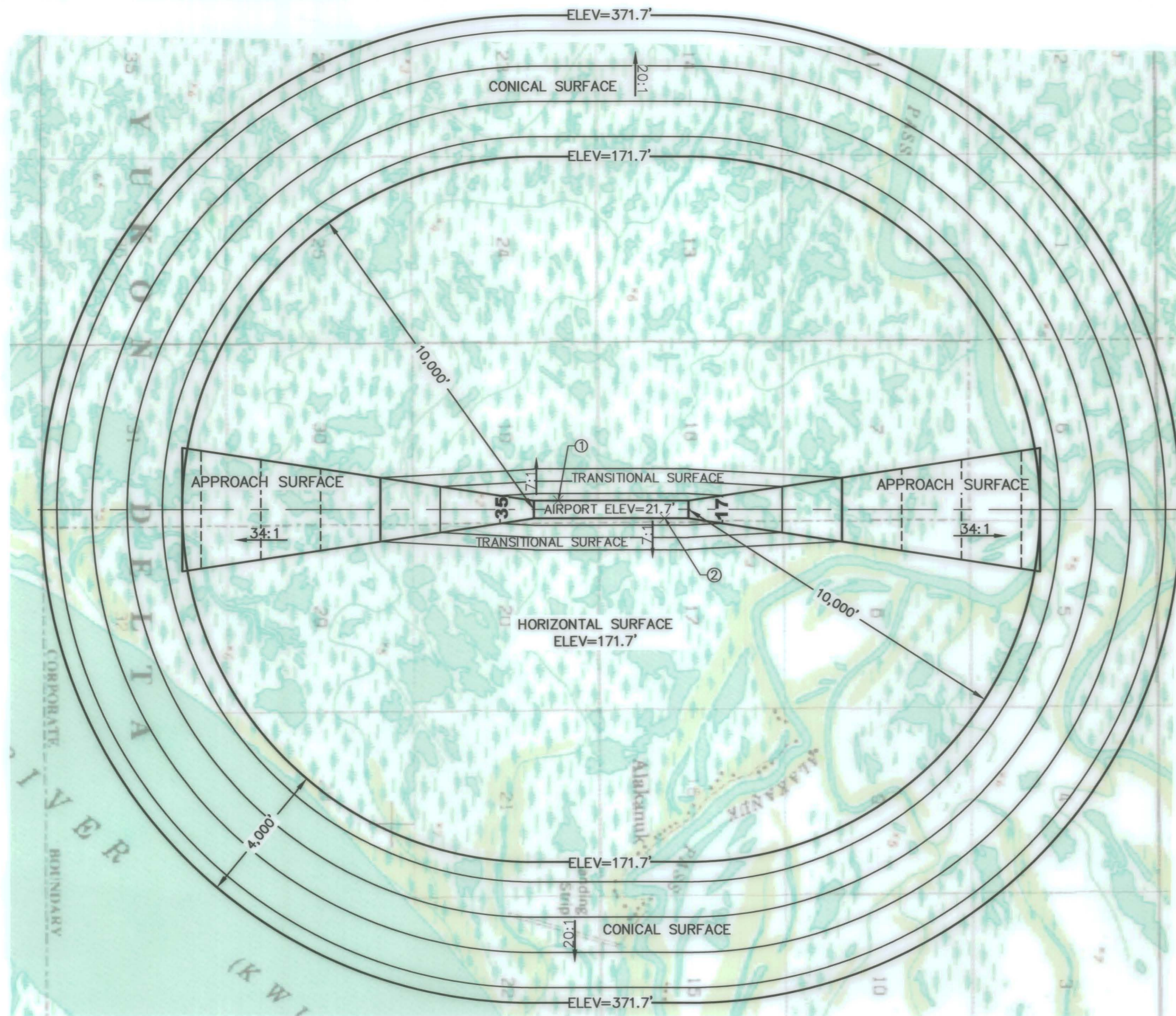
AIRPORT LAYOUT PLAN APPROVED  
 BY LETTER DATED: 2/2/14  
*PRB*  
 AIRPORTS DIVISION  
 ALASKAN REGION AAL-601  
 AIRSPACE # 2000-AAL-20-NRA

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.  
 THIS ALP SUPERSEDES ALP SIGNED: 8/14/00  
  
 HORIZONTAL TO VERTICAL RATIO = 10:1

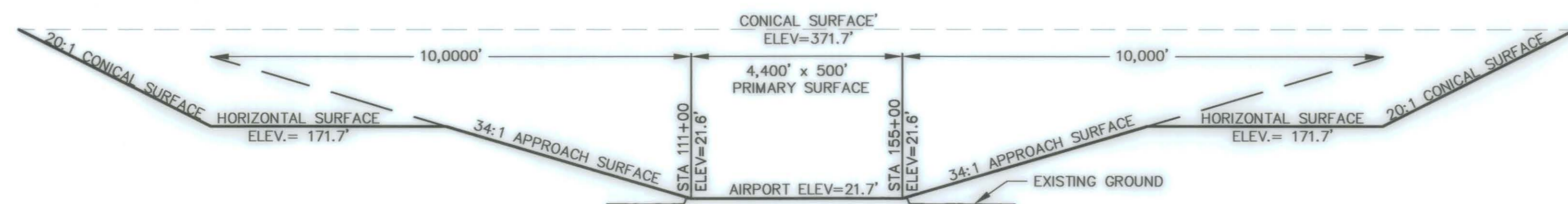
**ALAKANUK AIRPORT  
 AIRPORT LAYOUT PLAN  
 INNER PORTION OF THE APPROACH SURFACE  
 (RW 17-35)**

SHEET  
**3** OF  
**4**

Plotted: 1/15/2014, 3:05 PM, by Casey Smith  
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F.A.R. PART 77 SURFACE OBSTRUCTIONS							
#	DESCRIPTION	STATION, OFFSET	ELEV.	SURFACES PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATED	DISPOSITION
1	WINDCONE	STA 117+93, 251' LT	35.3'	TRANSITIONAL	21.6'	13.7'	TO REMAIN. OBSTRUCTION LIGHT EXISTS.
2	WINDCONE & SEGMENTED CIRCLE	STA 148+23, 250' RT	33.4'	TRANSITIONAL	21.7'	11.7'	TO REMAIN. OBSTRUCTION LIGHT EXISTS.



- NOTES:**
- AIRPORT ELEVATION = 21.7 FT.
  - THE PRIMARY SURFACE WIDTH IS 500 FT.
  - MAP SOURCE: USGS QUAD KWIGUK C-6.

DESIGN	PRB	BY	DATE	REVISIONS
DRAWN	CLS	PRB	11/25/13	UPDATED PER DEC. 2012 AERONAUTICAL SURVEY
CHECKED	EJG			

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 NORTHERN REGION - DESIGN AND CONSTRUCTION - AVIATION  
 APPROVED  
*Albert M.L. Beck* DATE 1-27-14  
 ALBERT M.L. BECK, P.E. AIRPORT DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED  
 BY LETTER DATED: 2/3/14  
*PAT*  
 AIRPORTS DIVISION  
 ALASKAN REGION AAL-601  
 AIRSPACE # 2000-AAL-20-NRA

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.  
 THIS ALP SUPERSEDES ALP SIGNED: 8/14/00  
 2,000' 1,000' 0 2,000' 4,000' 6,000'

**ALAKANUK AIRPORT  
 AIRPORT LAYOUT PLAN  
 AIRPORT AIRSPACE PLAN AND PROFILE**

SHEET  
**4** OF  
**4**