



U.S. Department  
of Transportation

Alaskan Region

222 W. 7<sup>th</sup> Avenue #14  
Anchorage, Alaska  
99513-7587

**Federal Aviation  
Administration**

May 5, 2010

Ms. Jeannie Johnson, Airport Manager  
Juneau International Airport  
City and Borough of Juneau  
1873 Shell Simons Drive, Suite 200  
Juneau, AK 99801

Dear Ms. Johnson:

**Juneau International Airport  
Juneau, Alaska  
Airport Layout Plan Conditional Approval  
2009-AAL-64-NRA**

We have completed our review of the Juneau Airport Layout Plan (ALP), and find it acceptable from a planning standpoint.

The conditional approval indicated by my signature is given subject to the condition that the proposed airport development that requires environmental processing shall not be undertaken without prior written environmental approval by the FAA.

This approval considers only the safety, utility, and efficiency of the airport. We encourage you to work with appropriate agencies to encourage adoption of height and zoning restrictions.

This approval does not represent a commitment to provide financial assistance to implement the proposed plan. FAA assistance in any development or its approval for any development will be determined at the time of request, based on the existing regulations, project justification, and eligibility at the time of the request.

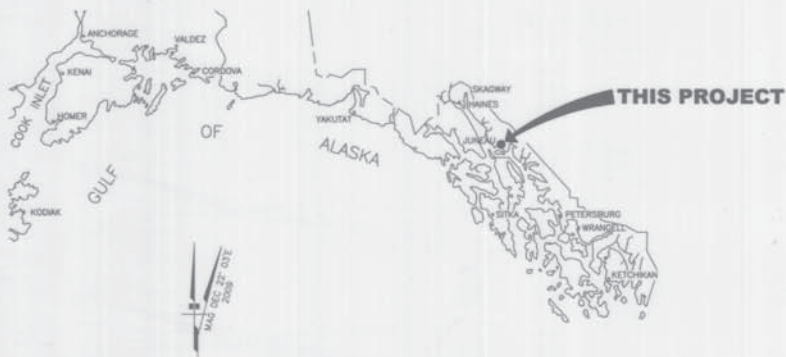
Please attach this letter to the enclosed ALP and retain it in your files for future use.

If you have any questions, please contact me at 271-5445.

Sincerely,

Pat Oien, P.E., Airport Planner  
Airports Division

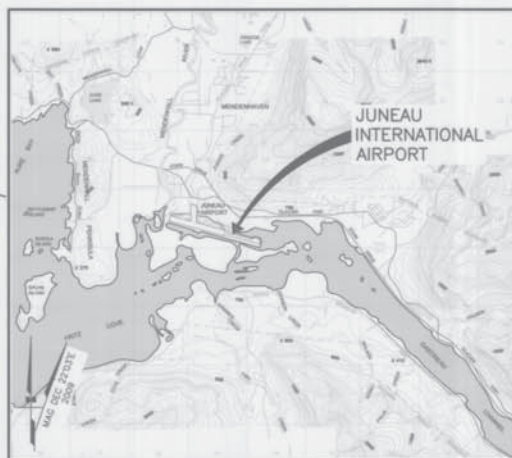
Enclosure: Juneau ALP



LOCATION MAP

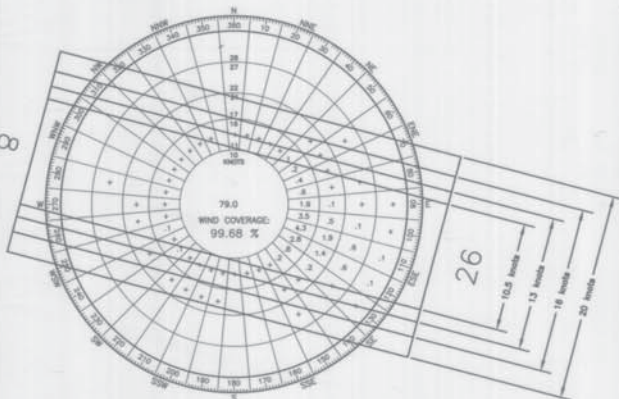
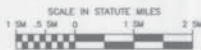
LEGEND		
ITEM	EXISTING	ULTIMATE
AIRPORT REFERENCE POINT (A.R.P.)		
ANTENNA		
BLUFF		
BUILDINGS		
BUILDING RESTRICTION LINE		
FENCE		
FAP		
PROPERTY LINE		
RAIL		
ROADWAYS		
ROTATING BEACON		
SHORELINE		
SURVEY MONUMENT		
THRESHOLD MARKERS/LIGHTS		
TOPOGRAPHIC CONTOURS		
TREE (LARGE SINGLE)		
TREELINE		
VASI		
WIND CONE		
WIND CONE AND SEGMENTED CIRCLE		

GEOGRAPHIC COORDINATES TABLE				
ITEM	EXISTING LATITUDE	EXISTING LONGITUDE	ULTIMATE LATITUDE	ULTIMATE LONGITUDE
ARP	58°21'17.48"N	134°34'48.86"W	58°21'17.00"N	134°34'48.42"W
THRESHOLD RW 8	58°21'28.55"N	134°35'51.21"W	58°21'28.55"N	134°35'51.21"W
DISPLACED THRESHOLD RW 8			58°21'28.25"N	134°35'49.04"W
THRESHOLD RW 26	58°21'07.18"N	134°33'18.00"W	58°21'05.86"N	134°33'08.58"W
THRESHOLD RW 26	58°21'22.82"N	134°35'52.23"W	58°21'22.82"N	134°35'52.23"W
THRESHOLD RW 26W	58°21'10.71"N	134°34'25.26"W	58°21'10.71"N	134°34'25.26"W



VICINITY MAP

SEC. 34, 35, 36, T. 40 S., R. 86 E.,  
COPPER RIVER MERIDIAN  
U.S.G.S. JUNEAU (8)-2, ALASKA



WIND DATA TABLE				
RUNWAY	10.5 kt	13 kt	16 kt	20 kt
8/26	98.68	99.92	99.99	100.00

SOURCE: NATIONAL CLIMATIC DATA CENTER, ASHVILLE, NC  
STATION: JNU, 70381  
PERIOD: 1998-2008, 82558 OBSERVATIONS

NON STANDARD CONDITIONS				
DESCRIPTION	STANDARD	EXISTING	ULTIMATE	
RUNWAY OBJECT FREE AREA WIDTH	800'	730'	730'	
RUNWAY 8 SAFETY AREA LENGTH BEYOND RW END	1000'	250'	*1000'	
RUNWAY 26 SAFETY AREA LENGTH BEYOND RW END	1000'	230'	*1000'	

\*800' BEYOND RUNWAY END, 1000' BEYOND ASSA

AIRPORT DATA TABLE			
ITEM	EXISTING	ULTIMATE	
ICAO IDENTIFIER	PAJN	PAJN	
NATIONAL AIRPORT IDENTIFIER	280	280	
FAA SITE NUMBER	50385 YA	50385 YA	
AIRPORT ELEVATION NAVGMS	25.3'	25.3'	
AIRPORT REFERENCE CODE	C=8	C=8	
MEAN MAX. TEMPERATURE, HOTTEST MONTH	85° JULY	85° JULY	
AIRPORT AND TERMINAL NAVIGATION AIDS	BEACON, NDB, LDA, LDN, RW, RVR	BEACON, NDB, LDA, LDN, RW, RVR, ADS-B	
TAXIWAY LIGHTING/MARKING	MIL	MIL	
CONSTRUCTION SURVEY SOURCE & TYPE	NONE	NONE	
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE	22°03' / 2009	-0'18"/YR	

RUNWAY 8/26 DATA TABLE				
ITEM	EXISTING	NEAR TERM	ULTIMATE	
RUNWAY TYPE	UTILITY OR OTHER THAN UTILITY	UTILITY OR OTHER THAN UTILITY	UTILITY OR OTHER THAN UTILITY	
FAA PART 77 APPROACH CATEGORY (V, NPL, P)	N/A	N/A	N/A	
APPROACH SURFACES	341/250-1	341/250-1	341/250-1	
VISIBILITY MINIMUM	>1 SM	>1 SM	>1 SM	
RUNWAY SURFACE	ASPHALT	ASPHALT	ASPHALT	
PAVEMENT STRENGTH (SI, DL, DTW, DTW +1000lb)	75, 205, 340, 300	75, 205, 340, 300	75, 205, 340, 300	
AIRCRAFT APPROACH CATEGORY	C	C	C	
AIRPLANE DESIGN GROUP	II	II	II	
TRUE BEARING	N75°0'48.48"W	N75°0'48.48"W	N75°0'48.48"W	
EFFECTIVE GRADE	0.01%	0.01%	0.01%	
TOUCHDOWN ELEVATION NAVGMS (ESTIMATED)	25.3' / 24.2'	25.3' / 24.2'	25.3' / 24.2'	
RUNWAY DIMENSIONS	8457' x 150'	8457' x 150'	8457' x 150'	
RUNWAY SAFETY AREA (RSA) DIMENSIONS	8937' x 228'	10057' x 500'	10057' x 500'	
LENGTH BEYOND R/W END	250' / 230'	480' / 1120'	600' / 500'	
RUNWAY PROTECTION ZONE (RPZ) DIM. - RW 8	1700' x 500' x 1010'	1700' x 500' x 1010'	1700' x 500' x 1010'	
RUNWAY PROTECTION ZONE (RPZ) DIM. - RW 26	1700' x 500' x 1010'	1700' x 500' x 1010'	1700' x 1000' x 1510'	
RUNWAY OBJECT FREE AREA (ROFA) DIMENSIONS	10437' x 730'	10057' x 730'	10057' x 730'	
LENGTH BEYOND R/W END OR STOPWAY	1000' / 1000'	480' / 1120'	600' / 500'	
RUNWAY OBSTACLE FREE ZONE (ROFZ) DIMENSIONS	8857' x 400'	8857' x 400'	8377' x 400'	
RUNWAY LIGHTING	HRL	HRL	HRL	
RUNWAY MARKING TYPE	NONPRECISION	NONPRECISION	NONPRECISION	
RUNWAY VISUAL APPROACH AIDS	MALS, LDN, REL, VASI	MALS, LDN, REL, VASI	MALS, LDN, REL, VASI	

RUNWAY 8W/26W DATA TABLE				
ITEM	EXISTING	NEAR TERM	ULTIMATE	
RUNWAY TYPE	UTILITY OR OTHER THAN UTILITY	UTILITY	UTILITY	
FAA PART 77 APPROACH CATEGORY (V, NPL, P)	V	V	V	
APPROACH SURFACES	201	201	201	
VISIBILITY MINIMUM	>1 SM	>1 SM	>1 SM	
RUNWAY SURFACE	WATER	WATER	WATER	
PAVEMENT STRENGTH (SI, DL, DTW, DTW +1000lb)	N/A	N/A	N/A	
AIRCRAFT APPROACH CATEGORY	A	A	A	
AIRPLANE DESIGN GROUP	II	II	II	
TRUE BEARING	N75°0'48.48"W	N75°0'48.48"W	N75°0'48.48"W	
EFFECTIVE GRADE	0%	0%	0%	
TOUCHDOWN ELEVATION NAVGMS (ESTIMATED)	12'	12'	12'	
RUNWAY DIMENSIONS	4800' x 400'	4800' x 400'	4800' x 400'	
RUNWAY SAFETY AREA (RSA) DIMENSIONS	N/A	N/A	N/A	
LENGTH BEYOND R/W END	N/A	N/A	N/A	
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	1000' x 250' x 450'	1000' x 250' x 450'	1000' x 250' x 450'	
RUNWAY OBJECT FREE AREA (ROFA) DIMENSIONS	5200' x 250'	5200' x 250'	5200' x 250'	
LENGTH BEYOND R/W END OR STOPWAY	N/A	N/A	N/A	
RUNWAY OBSTACLE FREE ZONE (ROFZ) DIMENSIONS	5200' x 250'	5200' x 250'	5200' x 250'	
RUNWAY LIGHTING	N/A	N/A	N/A	
RUNWAY MARKING TYPE	N/A	N/A	N/A	
RUNWAY VISUAL APPROACH AIDS	NONE	NONE	NONE	

- NOTES
- THE HORIZONTAL DATUM IS NAD83(CORS96) (EPOCH=2003.00000)
  - THE VERTICAL DATUM IS NAVD 88 ORTHOMETRIC HEIGHTS. THE BASIS OF ELEVATIONS IS THE NATIONAL GEODETIC SURVEY (NGS) PRIMARY AIRPORT CONTROL STATION (PACS) "JNU C", PD A14906, HAVING A NAVD 88 ORTHOMETRIC HEIGHT OF 21.526 FEET. THE NAVD 88 ORTHOMETRIC HEIGHT FOR THIS POINT WAS DETERMINED BY UTILIZING THE NGS PUBLISHED ELLIPSOID HEIGHT AND A HIGH-RESOLUTION GROUND MODEL (GRID=09).
  - RW 8W-26W DESIGN STANDARDS ARE FOR SMALL AIRCRAFT ONLY.

DRAWING INDEX	
SHT #	TITLE
1	AIRPORT DATA SHEET
2	EXISTING AIRPORT LAYOUT PLAN
3	ULTIMATE AIRPORT LAYOUT PLAN
4	DECLARED DISTANCES
5	INNER PORTION OF THE APPROACH SURFACE - RW 8-26
6	INNER PORTION OF THE APPROACH SURFACE - RW 8W-26W
7	AIRPORT AIRSPACE, 14 CFR, PART 77
8	AIRPORT AIRSPACE, 14 CFR, PART 77
9	TERMINAL AREA PLAN
10	AIRPORT LAND USE
11	PROPERTY MAP

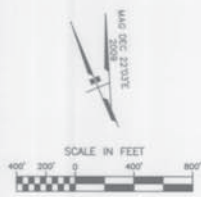
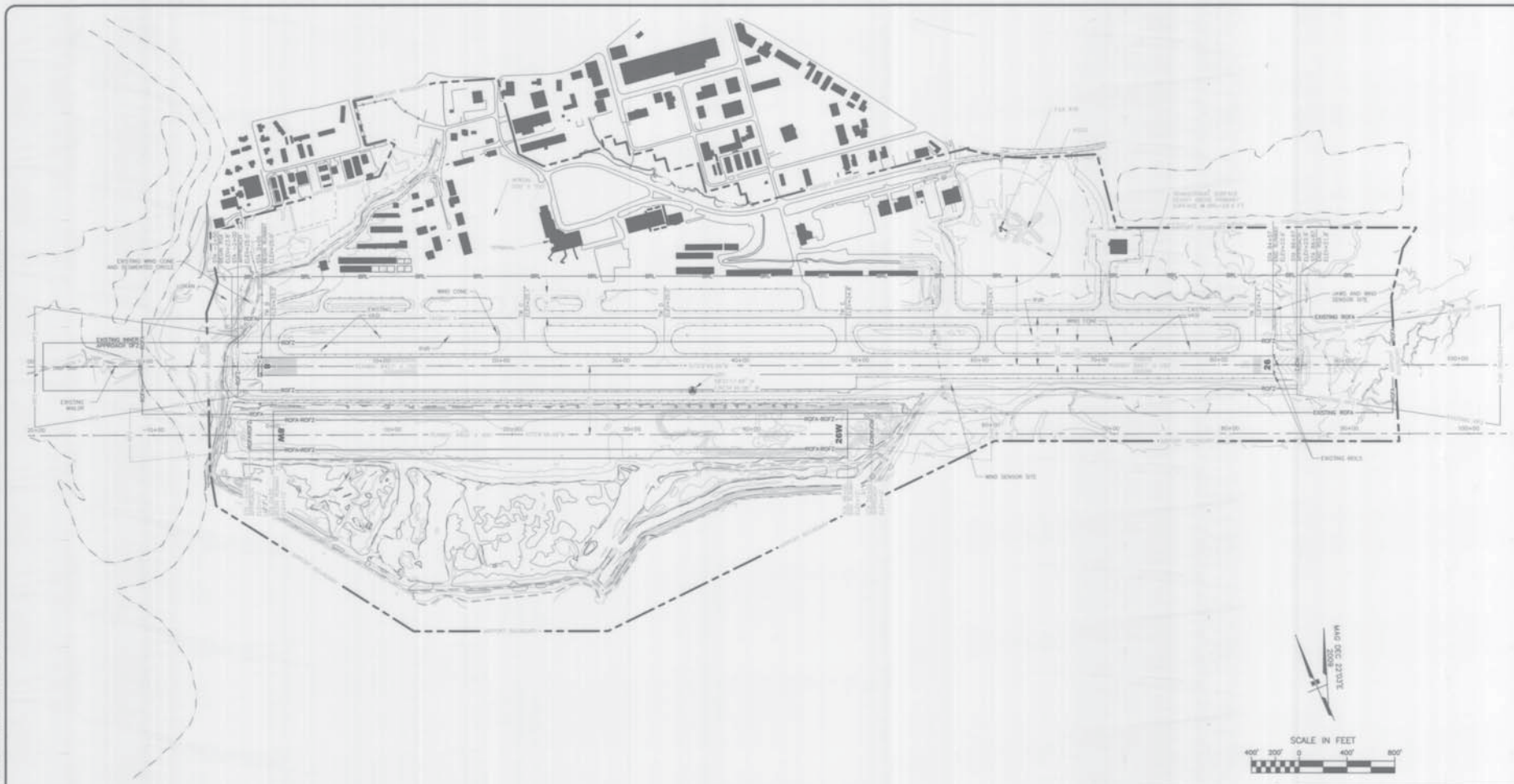
  

BY DATE	REVISION
APPROVED	DATE: 4/15/2010
SEALING ENGINEER	
AIRPORT MANAGER	
AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED 5/15/2010	
FAA AIRSPACE REVIEW NUMBER 2010-AL-41-00A	
DATE: 5/15/2010	
FAA, AIRPORTS DIVISION ALASKAN REGION, ANCHORAGE, ALASKA	

CITY AND BOROUGH OF JUNEAU JUNEAU INTERNATIONAL AIRPORT JUNEAU, ALASKA	
AIRPORT LAYOUT PLAN	DATE: 04/15/2010
AIRPORT DATA SHEET	SHEET: 1 of 11

JUNEAU, ALASKA  
 AIRPORT LAYOUT PLAN  
 EXISTING  
 SHEET NO. 2 OF 11  
 DATE: 04/15/2010  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]



**NOTES**  
 THERE ARE NO ROFZ PENETRATIONS.

ITEM	WIDTH		TSA		CFA	
	EXISTING	STANDARD	EXISTING	STANDARD	EXISTING	STANDARD
T/W A	90'	50'	118'	118'	186'	186'
T/W B	90'	50'	118'	118'	186'	186'
T/W C	260'	50'	118'	118'	186'	186'
T/W D	50'	50'	118'	118'	186'	186'
T/W E	100'	50'	118'	118'	186'	186'
T/W F	72'	50'	118'	118'	186'	186'
T/W G	245'	50'	118'	118'	186'	186'

BY	DATE	REVISION	DATE

**JUNEAU AIRPORT**  
 JUNEAU, ALASKA  
 AIRPORT LAYOUT PLAN  
 EXISTING  
 AIRPORT LAYOUT PLAN

DATE: 04/15/2010  
 SHEET: 2 OF 11



DATE: 04/15/2010 4:51 PM  
 FILE No.: 150-46  
 PROJECT: JUNEAU AIRPORT AIRPORT LAYOUT PLAN  
 SHEET: 4 OF 11



ITEM	RUNWAY 8/26	
	EXISTING	FUTURE
TAKEOFF RUN AVAILABLE	N/A	8,977 / 8,977
TAKEOFF DISTANCE AVAILABLE	N/A	8,977 / 8,977
ACCELERATE STOP DISTANCE AVAILABLE	N/A	8,577 / 8,457
LANDING DISTANCE AVAILABLE	N/A	8,457 / 8,457



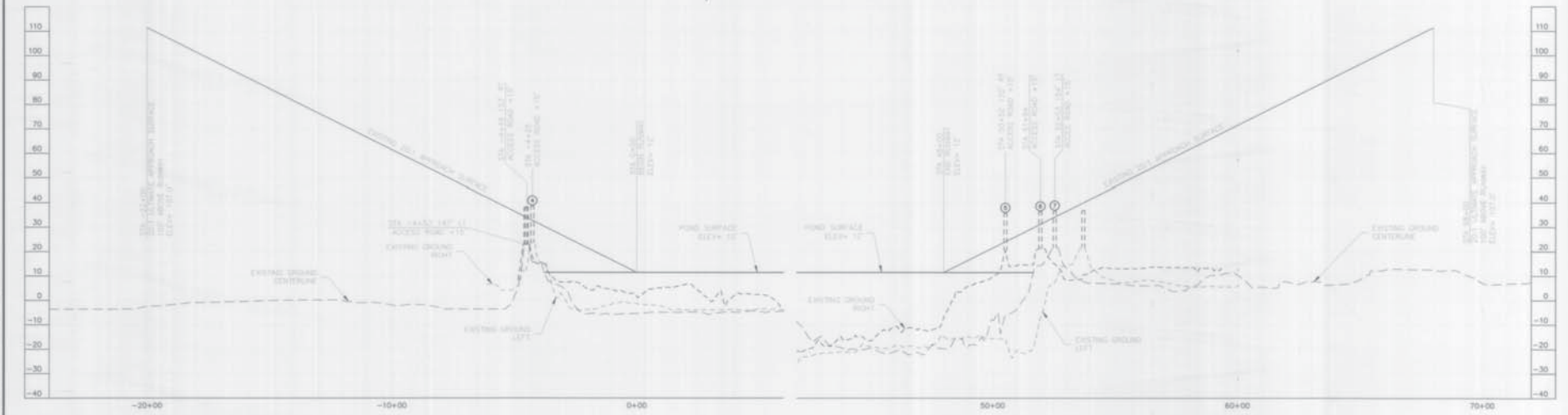
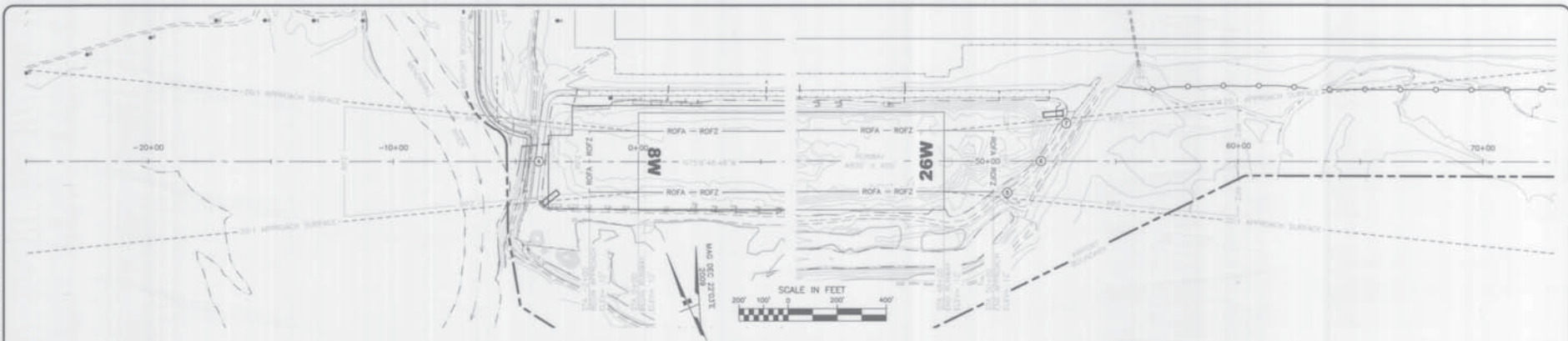
BY	DATE	REVISION	DATE

**JUNEAU AIRPORT**  
 JUNEAU, ALASKA  
 AIRPORT LAYOUT PLAN  
 DECLARED DISTANCES

DATE: 04/15/2010  
 SHEET: 4 OF 11



JUNEAU AIRPORT LAYOUT PLAN, 4/15/2010, 4:58 PM  
 PROJECT NO. 150-335-09  
 SHEET NO. 6 OF 11  
 DRAWN BY: J. H. HARRIS  
 CHECKED BY: J. H. HARRIS  
 DATE: 04/15/2010



**RUNWAY 8W**

20:1 APPROACH SURFACE OBSTRUCTIONS TABLE (INNER PORTION RW 8W)

ID #	DESCRIPTION	STATION/OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
(O)	ROAD	-4+25/ 0	38'	APPROACH	32'	6'	REMAIN	

REFER TO THE AIRPORT AIRSPACE DRAWING FOR PENETRATIONS OF THE OUTER APPROACH SURFACES.

- NOTES**
1. THE OBSTRUCTION CLEARANCE SLOPE FOR RW 8W IS ESTABLISHED AS 10:1 PER FAA AC 150/5200-35, CHAP. 4.
  2. RUNWAY 8W MEETS THE CONDITIONS OF FAA AC 150/5300-13, TABLE A-2 ROW 1 FOR APPROACH END SITING SURFACE.

**RUNWAY 26W**

20:1 APPROACH SURFACE OBSTRUCTIONS TABLE (INNER PORTION RW 26W)

ID #	DESCRIPTION	STATION/OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
(O)	Road	30+52/132 BT	36'	APPROACH	18'	20'	REMAIN	
(O)	ROAD	51+94/0	36'	APPROACH	23'	13'	REMAIN	
(O)	ROAD	52+53/154 LT	36'	APPROACH	26'	10'	REMAIN	

REFER TO THE AIRPORT AIRSPACE DRAWING FOR PENETRATIONS OF THE OUTER APPROACH SURFACES.

- NOTES**
1. THE OBSTRUCTION CLEARANCE SLOPE FOR RW 26W IS ESTABLISHED AS 10:1 PER FAA AC 150/5200-35, CHAP. 4.
  2. RUNWAY 26W DOES NOT MEET ANY OF THE CONDITIONS OF FAA AC 150/5300-13, TABLE A-2 FOR APPROACH END SITING SURFACE.

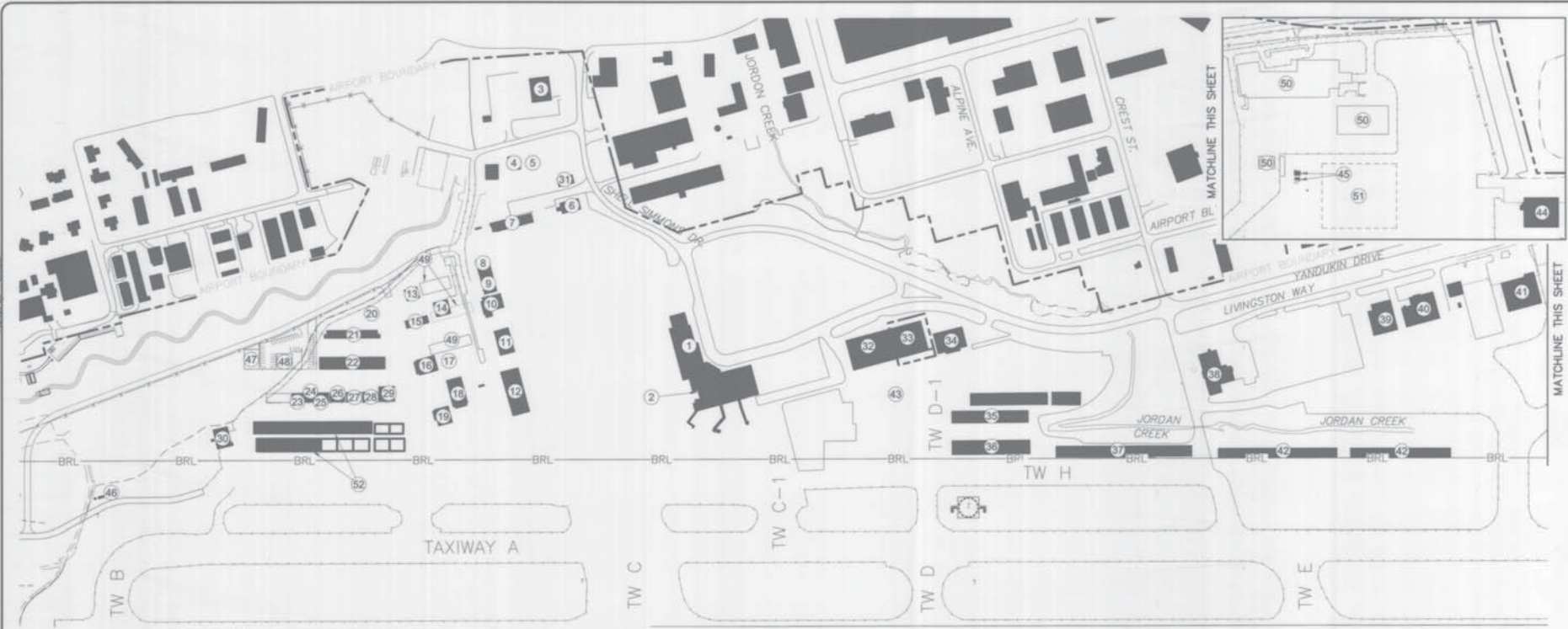
BY	DATE	REVISION	DATE
<b>JUNEAU AIRPORT</b>			DATE: 04/15/2010
JUNEAU, ALASKA			SHEET: 6
AIRPORT LAYOUT PLAN			OF 11
INNER PORTION OF THE			
APPROACH SURFACE-RW 8W-26W			





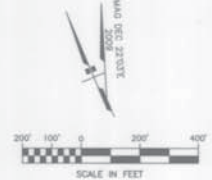


Date Plotted: 4/15/2010 8:12:50 AM  
 User: j...  
 Plot File No.: 101-49  
 Project Name: J...  
 Title: ...



BLDG. NO.	STRUCTURE NAME	TOP ELEV.	OBSTRUCTION MARKING		REMARKS
			EXISTING	ULTIMATE	
1	TERMINAL BUILDING	51	-	-	
2	FAA CONTROL TOWER	95	Y	Y	
3	KITCHEN / GYM	34	-	-	
4	J/D TELEPHONE	22	-	-	
5	LEASED TO RENTZ	37	-	-	
6	AERO SERVICES (GULLESSE, FIDCO) RM. LEASING	39	-	-	
7	SNOW REMOVAL EQUIPMENT BUILDING	39	-	-	
8	LAB FLYING	47	-	-	
9	LAB FLYING	47	-	-	
10	HEMBROOK	40	-	-	
11	ALASKA AIRLINES	34	-	-	
12	ALASKA AIRLINES	41	-	-	
13	PRIVATE HANGAR	38	-	-	
14	FISH AND WILDLIFE	46	-	-	
15	3 PRIVATE T-HANGARS	33	-	-	TO BE REMOVED
16	DUANE PACKER SUBLEASE TO UNITED PARCEL SERVICE	49	-	-	
17	W & L LEASING	43	-	-	
18	AERO SERVICES	48	-	-	
19	AERO SERVICES	35	-	-	
20	PRIVATE HANGAR	39	-	-	
21	T-HANGAR (7 UNITS)	30	-	-	
22	T-HANGAR (12 UNITS)	34	-	-	
23	PRIVATE HANGAR	39	-	-	
24	PRIVATE HANGAR	36	-	-	
25	PRIVATE HANGAR	36	-	-	
26	PRIVATE HANGAR	42	-	-	
27	PRIVATE HANGAR	39	-	-	
28	PRIVATE HANGAR	39	-	-	
29	PRIVATE HANGAR	41	-	-	
30	CIVIL AIR PATROL	36	-	-	TO BE REMOVED
31	DELTA WESTERN	35	-	-	

BLDG. NO.	STRUCTURE NAME	TOP ELEV.	OBSTRUCTION MARKING		REMARKS
			EXISTING	ULTIMATE	
32	SAND STORAGE	53	-	-	TO BE REMOVED/RELOCATED
33	LOREN AMATION (PRIVATE PROPERTY)	53	-	-	ON PROPERTY INCLUDING
34	WARD AIR (DEED LEASING)	52	-	-	
35	BLOCK 'V' EXECUTIVE HANGARS (TRUMAN MODULTON-5 UNITS)	40	-	-	
36	BLOCK 'M' T-HANGARS (14 UNITS)	39	-	-	
37	BLOCK 'N' EXECUTIVE HANGARS (8 UNITS)	38	-	-	
38	AIRCRAFT RESCUE AND FIRE FIGHTING BUILDING	56	-	-	
39	SILVER BAY LOGGING	48	-	-	
40	ALASKA NATIONAL GUARD	51	-	-	
41	WINGS OF ALASKA	53	-	-	
42	BLOCK 'O' EXECUTIVE HANGARS (14 UNITS)	41	-	-	
43	COASTAL FUEL	26	-	-	TO BE REMOVED/RELOCATED
44	TEMSCO HELICOPTERS	48	-	-	
45	F.A.A. RTR / ASOS SITE	12	-	-	TO BE REMOVED/RELOCATED
46	F.A.A. POWER SHED	12	-	-	TO BE RELOCATED
47	FUTURE C.A.P. HANGAR	-	-	-	
48	FUTURE FISH AND WILDLIFE HANGAR	-	-	-	
49	FUTURE T-HANGARS (3 UNITS)	-	-	-	
50	FUTURE SRE FACILITY	-	-	-	
51	FUTURE FUEL FARM	-	-	-	
52	BLOCK 'I' HANGARS	-	-	-	



BY DATE	REVISION	DATE
		04/15/2010
<b>JUNEAU AIRPORT</b>		
JUNEAU, ALASKA		
AIRPORT LAYOUT PLAN		
TERMINAL AREA PLAN		
		SHEET: 9 OF 11



