



U.S. Department
of Transportation

Alaskan Region

222 W. 7th Avenue #14
Anchorage, Alaska
99513-7587

**Federal Aviation
Administration**
July 14, 2011

Butch Douthit, P.E.
Design Section Chief
Central Region Department of Transportation
and Public Facilities, State of Alaska
P.O. Box 196900
Anchorage AK 99519

Dear Mr. Douthit:

**Kasilof Airport
Kasilof, Alaska
Airport Layout Plan Conditional Approval
2011-AAL-25-NRA**

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

This airport is a non-NPIAS airport (not in the National Plan of Integrated Airports Systems) and therefore ineligible for AIP (Airport Improvement Program) funds for airport improvements.

AKDOT should pursue other funds to make the necessary improvements to clear the brush and terrain as indicated on the ALP (and identified in previous 5010 inspections).

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,

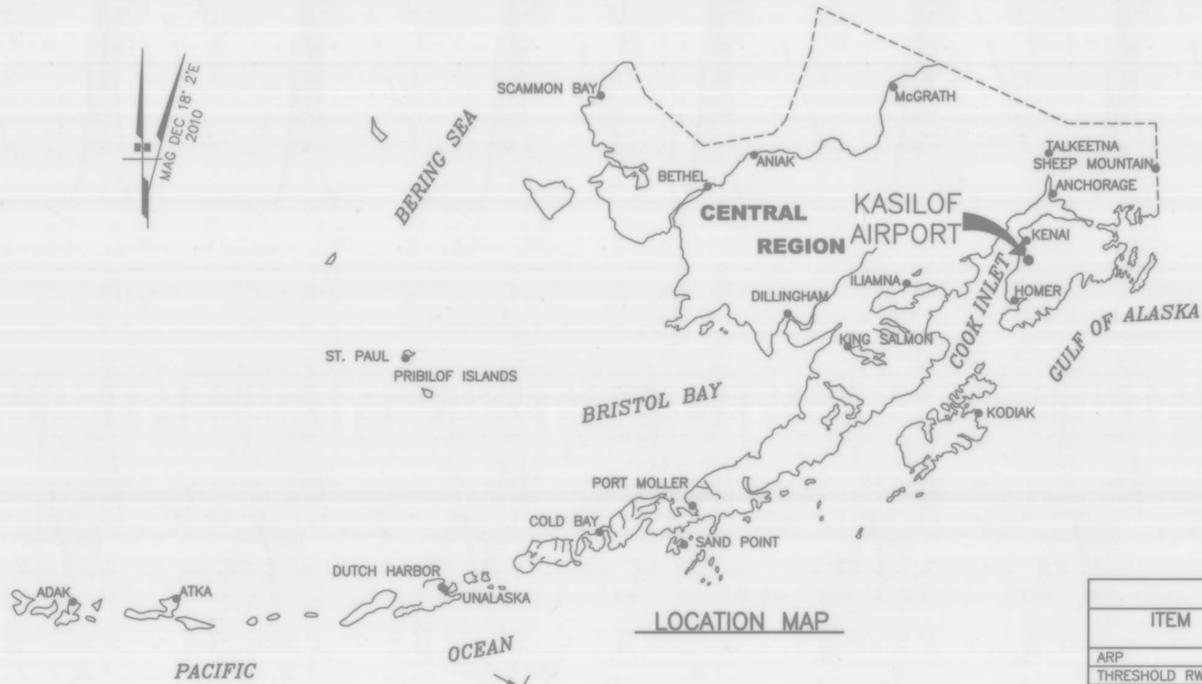
Pat Oien, P.E., Airport Planner
Airports Division

Enclosure: Kasilof ALP

FILE No.: 232-101-1

Designed By: nlewellyn
 Drawn By: mbauer
 Checked By: bhanson

Date Plotted: 6/15/2011, 8:21 AM
 Layout Name: DATA (1)
 File Name: P:\Projects\095422TCC\Kasilof\ALP\ALP-KASILOF.dwg

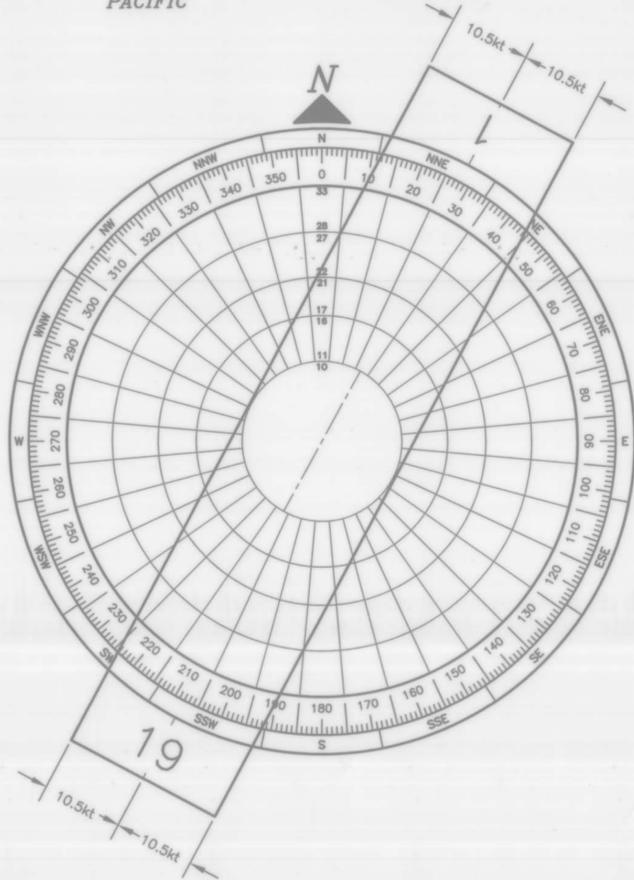


LEGEND		
ITEM	EXISTING	ULTIMATE
AIRPORT REFERENCE POINT (ARP)		
ANTENNA		
BLUFF		
BUILDINGS		
BUILDING RESTRICTION LINE (BRL)		
FENCE		
PAPI		
PROPERTY LINE		
REIL		
ROADWAYS		
ROTATING BEACON		
SHORELINE		
SURVEY MONUMENT		
THRESHOLD MARKERS/LIGHTS		
TOPOGRAPHIC CONTOURS		
TREE (LARGE SINGLE)		
TREELINE		
VASI		
WIND CONE		
WIND CONE AND SEGMENTED CIRCLE		

AIRPORT DATA		
ITEM	EXISTING	ULTIMATE
ICAO IDENTIFIER	NONE	
NATIONAL AIRPORT IDENTIFIER	5KS	
FAA SITE NUMBER	50406.*A	
AIRPORT ELEVATION NAVD88	107.0'	
AIRPORT REFERENCE CODE	A-1	
MEAN MAX. TEMPERATURE, HOTTEST MONTH	62°F, JULY	
AIRPORT AND TERMINAL NAVIGATION AIDS	NONE	
TAXIWAY LIGHTING/MARKING	NONE	
OBSTRUCTION SURVEY SOURCE & TYPE	NONE	
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE	18°2'E / 2010	-0°17'(W) / YEAR

GEOGRAPHIC COORDINATES TABLE				
ITEM	EXISTING LATITUDE	EXISTING LONGITUDE	ULTIMATE LATITUDE	ULTIMATE LONGITUDE
ARP	N6°21'01"	W151°15'46"		
THRESHOLD RW 1	N6°20'51.53"	W151°15'57.81"		
THRESHOLD RW 19	N6°21'12.22"	W151°15'34.76"		

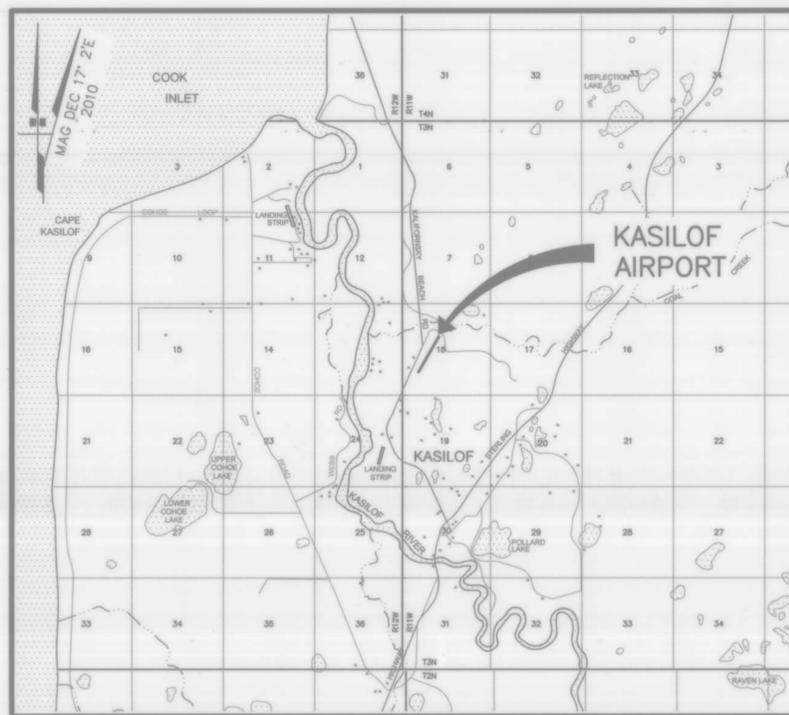
RUNWAY 1/19 DATA			
ITEM	EXISTING	NEAR-TERM	ULTIMATE
RUNWAY TYPE UTILITY OR OTHER THAN UTILITY	UTILITY		
FAR PART 77 APPROACH CATEGORY (V, NPI, P)	V / V		
APPROACH SURFACES	20:1 / 20:1		
VISIBILITY MINIMUM	1 SM		
RUNWAY SURFACE	GRAVEL		
PAVEMENT STRENGTH SW,DW,DTW,DDTW x1000lbs	N/A		
AIRCRAFT APPROACH CATEGORY	A		
AIRPLANE DESIGN GROUP	1		
MEAN GEODETIC BEARING	N28°54'0"E		
EFFECTIVE GRADE	0.11%		
TOUCHDOWN ELEVATION NAVD88 (ESTIMATED)	107.0' / 107.0'		
RUNWAY DIMENSIONS	60' x 2400'		
RUNWAY SAFETY AREA (RSA) DIMENSIONS	120' x 2805'		
LENGTH BEYOND R/W END	210' / 195'		
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	500' x 700' x 1000'		
RUNWAY OBJECT FREE AREA (ROFA) DIMENSIONS	250' x 2880'		
LENGTH BEYOND R/W END OR STOPWAY	240' / 240'		
RUNWAY OBSTACLE FREE ZONE (ROFZ) DIMENSIONS	250' x 2800'		
RUNWAY LIGHTING	NONE		
RUNWAY MARKING TYPE	NONE		
RUNWAY VISUAL APPROACH AIDS	NONE		



NOTE: WIND DATA NOT AVAILABLE

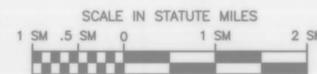
WIND DATA TABLE				
RUNWAY	10.5 kt	13 kt	16 kt	20 kt
1/19				

SOURCE: NONE
 PERIOD: NONE



VICINITY MAP

SEC. 18, T 3 N, R 11 W,
 SEWARD MERIDIAN
 U.S.G.S. KENAI (B-4), ALASKA



NOTES

1. THE INFORMATION SHOWN HEREON IS BASED ON A FIELD SURVEY PERFORMED BY DOWL HKM ON JUNE 28, 2010.
2. THE HORIZONTAL DATUM IS NAD83(CORS96) (EPOCH:2003.0000) AS DETERMINED BY STATIC GPS OBSERVATIONS USING LEICA DUAL FREQUENCY GPS RECEIVERS AND PROCESSED USING THE NGS OPUS UTILITY. CONTROL CORS STATIONS USED FOR THE POSITION SOLUTION WERE TSEA, POTS AND CHIS.
3. THRESHOLD COORDINATES WERE DETERMINED USING A STATIC GPS NETWORK. THE TOPOGRAPHIC MAPPING IN THE AIRPORT VICINITY WAS DIGITIZED FROM U.S.G.S. QUAD KENAI (B-4).

DRAWING INDEX	
SHT #	TITLE
1	DATA
2	EXISTING LAYOUT
3	AIRPORT AIRSPACE, 14 CFR, PART 77

BY DATE	REVISION
APPROVED:	DATE: 7.5.11
<i>K. Kim Rice</i>	
K. KIM RICE, P.E.	PRECONSTRUCTION ENGINEER
RECOMMENDED:	DATE: 7/1/2011
<i>Harvey M. Douthett</i>	
HARVEY M. DOUTHETT, P.E.	DESIGN SECTION CHIEF

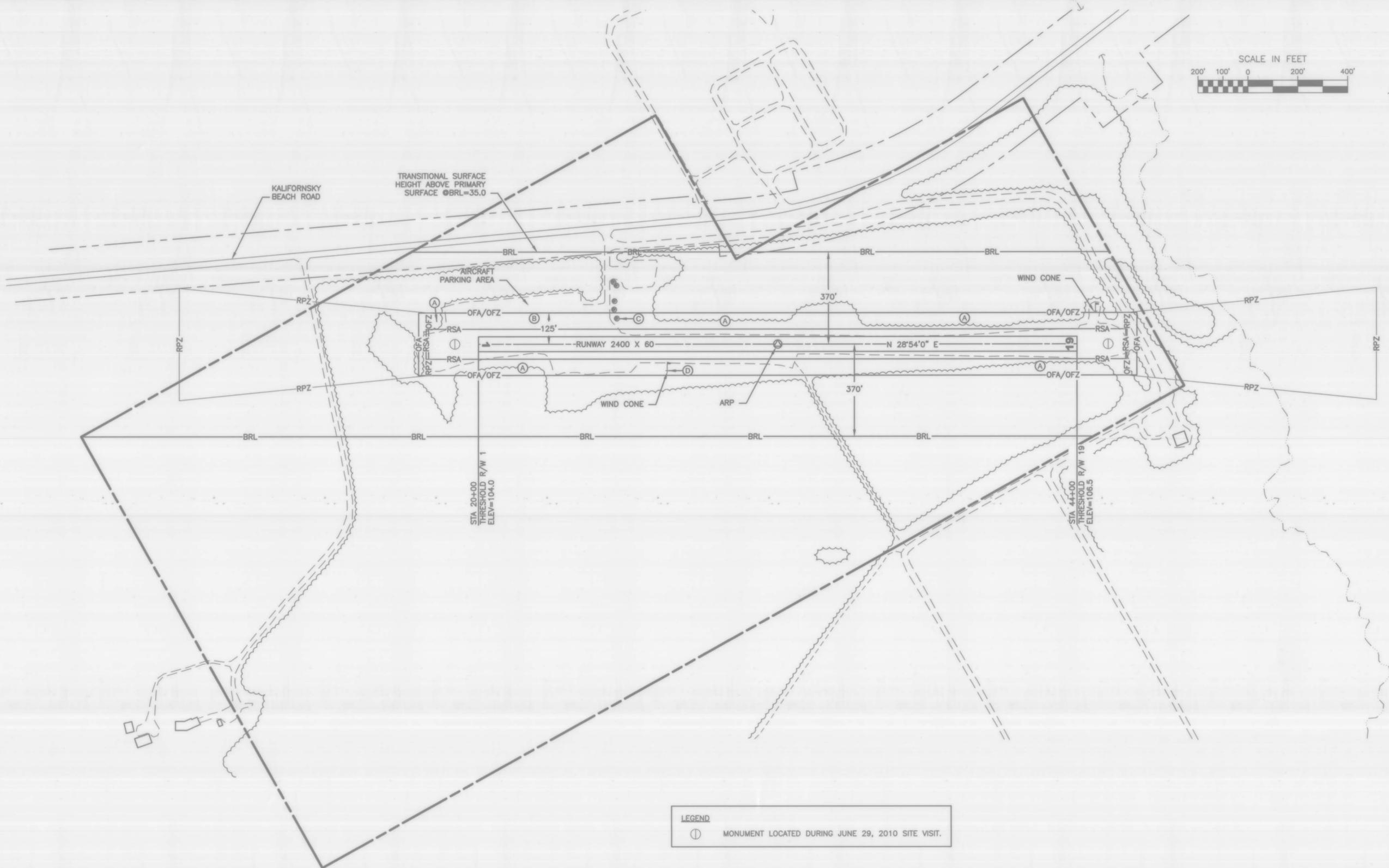
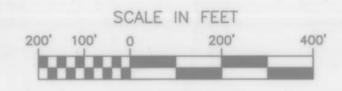
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION	
KASILOF AIRPORT KASILOF, ALASKA AIRPORT LAYOUT PLAN	
DATE: 6/15/2011	SHEET: 1 OF 3

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED 7/14/11 FAA AIRSPACE REVIEW NUMBER: 2011-AAL-25-NRA	DATE: 7/14/11 621
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-	

FILE No: 232-101-2

Designed By: nitewellyn
 Drawn By: boguifin
 Checked By: bhanson

Date Plotted: 6/15/2011, 9:21 AM
 Layout Name: ELAY(2)
 File Name: P:\Projects\089427\GC\Kasilof\ALP\ALP-KASLOF.dwg



LEGEND
 (1) MONUMENT LOCATED DURING JUNE 29, 2010 SITE VISIT.

PROPERTY STATUS							
ID #	INTEREST	GRANTOR	GRANTEE	PARCEL SIZE	DATE ACQUIRED	RECORDED DOC NO.	ACQUIRED AIP NO.
(1)	I.L.M.T. FROM A.D.L. 34846	STATE OF ALASKA, DNR	STATE OF ALASKA, DOT/PF	160± ac	03-07-67	1967-10539	

OFZ PENETRATIONS		
ID #	DESCRIPTION	DISPOSITION
(A)*	BRUSH/TREES	REMOVE
(B)	AIRCRAFT PARKING AREA	RELOCATE
(C)	TREE	REMOVE
(D)	WIND CONE	RELOCATE

NOTES:
 1. TOPOGRAPHIC CONTOURS NOT AVAILABLE.
 2. KALIFORNISKY BEACH ROAD RIGHT-OF-WAY IS FROM KENAI PENINSULA BOROUGH GIS DATABASE.

BUILDING DATA TABLE				
ID #	DESCRIPTION	STATION/OFFSET	TOP ELEV (NAVD88)	OBSTRUCT MARKING

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

KASILOF AIRPORT
 KASILOF, ALASKA
 AIRPORT LAYOUT PLAN
 EXISTING LAYOUT

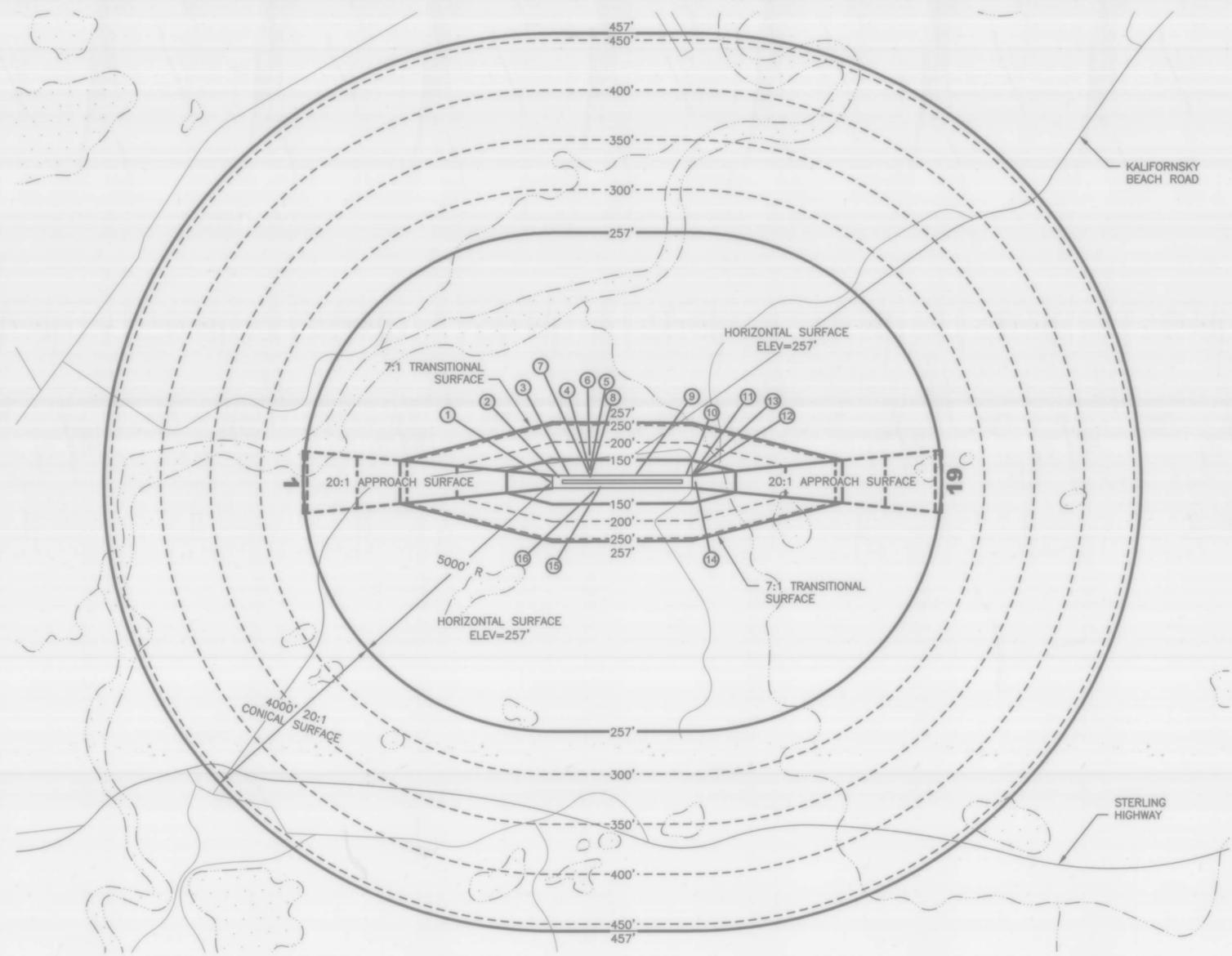
DATE: 6/15/2011
 SHEET: 2 OF 3

* ALONG BOTH SIDES OF RUNWAY.

FILE No.: 232-101-4

Designed By: mlwelynn
 Drawn By: boguifm
 Checked By: bhanson

Date Plotted: 6/15/2011, 9:21 AM
 Layout Name: P77 (3)
 File Name: P:\Projects\059422\00\Kasilof\ALP\ALP-KASLOF.dwg



RUNWAY 1/19

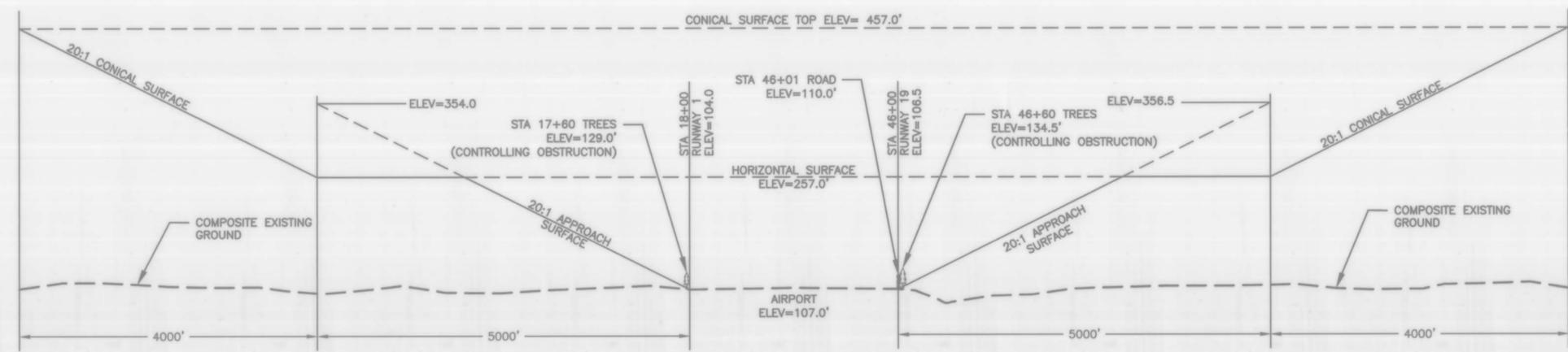
PART 77 SURFACE OBSTRUCTION TABLE

ID #	DESCRIPTION	STATION/OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
1 *	TREES	17+60/08	129	R/W 1 APPROACH	106	23	REMOVE	FUTURE
2	TREES	**/70 TO 125	144 TO 156	PRIMARY	104 TO 106	40 TO 50	REMOVE	FUTURE
3	AIRCRAFT PARKING AREA	18+70 TO 24+00/125L	109 TO 114	PRIMARY	101 TO 106	8	RELOCATE	FUTURE
4	TREE	25+42/249L	147	TRANSITIONAL	124	22.5	REMOVE	FUTURE
5	TREE	25+53/235L	147	TRANSITIONAL	122	24.5	REMOVE	FUTURE
6	TREE	25+45/545L	147	TRANSITIONAL	113	33.5	REMOVE	FUTURE
7	TREE	25+43/138L	147	TRANSITIONAL	108	38.5	REMOVE	FUTURE
8	TREE	25+55/103L	147	PRIMARY	107	40	REMOVE	FUTURE
9 *	TREE	34+85/160L	162	TRANSITIONAL	112	50	REMOVE	FUTURE
10	WIND CONE	44+73/130L	141	TRANSITIONAL	107	34	RELOCATE	FUTURE
11	ROAD	45+90/131L	110	TRANSITIONAL	107	3	RELOCATE	FUTURE
12	ROAD	45+97/120L	110	PRIMARY	107	3	RELOCATE	FUTURE
13	ROAD	46+01/125L	110	APPROACH	107	3	RELOCATE	FUTURE
14 *	TREES	46+60/08	135	R/W 19 APPROACH	110	25	REMOVE	FUTURE
15	WIND CONE	27+57/106R	141	PRIMARY	106	35	RELOCATE	FUTURE
16 *	TREES	26+25/200R	150	TRANSITIONAL	117	33	REMOVE	FUTURE

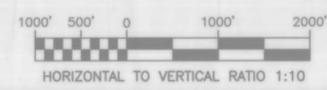
* HIGHEST MEASURED FEATURE IN VEGETATED AREA; REFER TO BRUSH LINE EXTENTS ON EXISTING LAYOUT SHEET.
 ** TREES ALONG BOTH SIDES OF THE RUNWAY. REFER TO OFZ PENETRATION TABLE, ITEM A ON EXISTING LAYOUT SHEET.

NOTES

- AIRPORT ELEVATION IS 107.0'.
- ALL CONTOURS ARE IN FEET. BASEMAP DATA IS FROM USGS QUAD KENAI (B-4). USGS DATUM IS WGS84.
- PRIMARY SURFACE WIDTH IS 250'.
- A RANGE FINDER WITH A BUILT-IN INCLINOMETER WAS USED TO IDENTIFY OBSTRUCTIONS CLOSE TO THE RUNWAY IN THE PRIMARY AND TRANSITIONAL SURFACES.
- APPROACH SURFACES ARE 20:1 BEGINNING AT 200 FEET BEYOND THE THRESHOLDS.
- THE RUNWAY 1 CONTROLLING OBSTRUCTION IS A GROUP OF TREES AT STATION 17+60, OB. THE OBSTRUCTION CLEARANCE SLOPE IS ESTABLISHED AS 1:1, PER FAA AC 150-5200-35, SECTION 4, DATA ELEMENT NUMBER 57.
- THE RUNWAY 19 CONTROLLING OBSTRUCTION IS A GROUP OF TREES AT STATION 46+60, OB. THE OBSTRUCTION CLEARANCE SLOPE IS ESTABLISHED AS 2:1, PER FAA AC 150-5200-35, SECTION 4, DATA ELEMENT NUMBER 57.
- THE RUNWAY 1 APPROACH END SITING SURFACES DO NOT MEET ANY THRESHOLD SITING CRITERIA BECAUSE OF TREE PENETRATIONS, AS DEFINED IN FAA AC 150/5300-13, CHG 15, APPENDIX 2, TABLE A2-1.
- THE RUNWAY 19 APPROACH END SITING SURFACES DO NOT MEET ANY THRESHOLD SITING CRITERIA BECAUSE OF TREE PENETRATIONS, AS DEFINED IN FAA AC 150/5300-13, CHG 15, APPENDIX 2, TABLE A2-1.
- THERE ARE NO KNOWN ORDINANCES OR STATUTES IN EFFECT THAT SPECIFY HEIGHT RESTRICTIONS.
- THERE ARE NO LANDFILLS OR SEWAGE LAGOONS WITHIN 10,000' OF THE RUNWAY.



RUNWAY PROFILE



BY	DATE	REVISION
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION		
KASILOF AIRPORT KASILOF, ALASKA AIRPORT LAYOUT PLAN		DATE: 6/15/2011
AIRPORT AIRSPACE 14 CFR, PART 77		SHEET: 3 OF 3