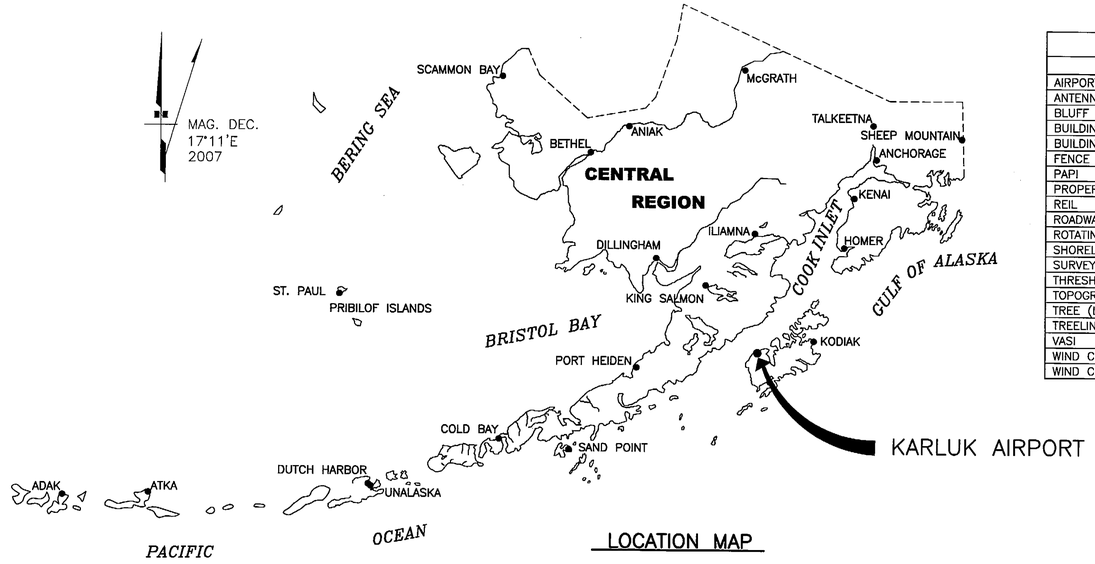


LOCATION MAP

LEGEND

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

AIRPORT DATA TABLE

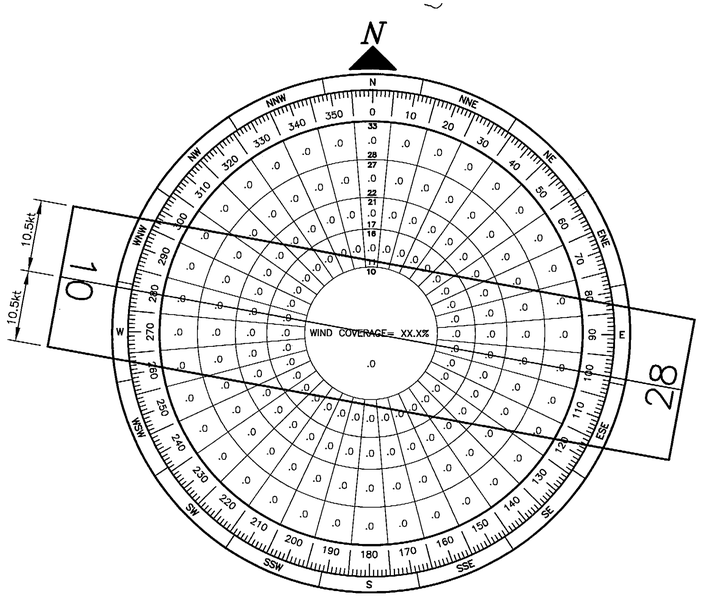
ITEM	EXISTING	ULTIMATE
ICAO IDENTIFIER	PAKY	PAKY
NATIONAL AIRPORT IDENTIFIER	KYK	KYK
FAA SITE NUMBER	50399.*A	50399.*A
AIRPORT ELEVATION (ESTIMATED)	137'	137'
AIRPORT REFERENCE CODE	A-I	A-I
MEAN MAX. TEMPERATURE, HOTTEST MONTH	62 F° AUGUST	62 F° AUGUST
AIRPORT AND TERMINAL NAVIGATION AIDS	NONE	NONE
TAXIWAY LIGHTING/MARKING	NSTD-CONES	NSTD-CONES
OBSTRUCTION SURVEY SOURCE & TYPE	NONE	NONE
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE	17°39'E, 2005 0°12'(W)/YEAR 16°35'E, 2010 0°12'(W)/YEAR	17°39'E, 2005 0°12'(W)/YEAR 16°35'E, 2010 0°12'(W)/YEAR

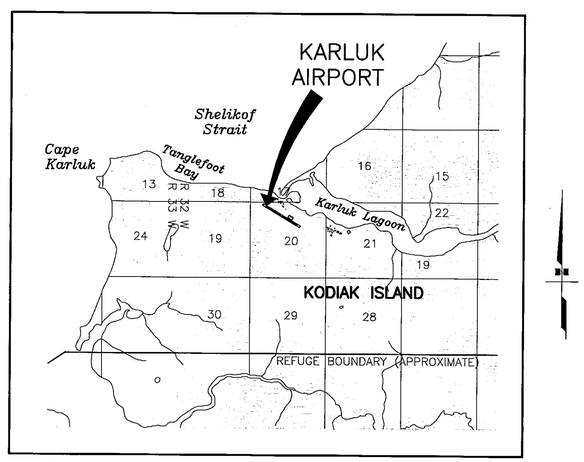
RUNWAY 10/28 DATA TABLE

ITEM	EXISTING	NEAR TERM	ULTIMATE
RUNWAY TYPE UTILITY OR OTHER THAN UTILITY	UTILITY		SAME AS EXISTING
FAR PART 77 APPROACH CATEGORY (V, NPI, P)	V		
APPROACH SURFACES	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	I		
TRUE BEARING	N58°27'36"W		
EFFECTIVE GRADE	0%		
TOUCHDOWN ELEVATION NAVD88 (ESTIMATED)	137'		
RUNWAY DIMENSIONS	60' x 2000'		
RUNWAY SAFETY AREA (RSA) DIMENSIONS	120' x 2400'		
LENGTH BEYOND R/W END	200' / 200'		
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	250' x 450' x 1000'		
RUNWAY OBJECT FREE AREA (ROFA) DIMENSIONS	250' x 2600'		
LENGTH BEYOND R/W END OR STOPWAY	240'/240'		
RUNWAY OBSTACLE FREE ZONE (ROFZ) DIMENSIONS	250' x 2400'		
RUNWAY LIGHTING	NONE		
RUNWAY MARKING TYPE	NSTD-CONES		
RUNWAY VISUAL APPROACH AIDS	NONE		

GEOGRAPHIC COORDINATES TABLE

ITEM	EXISTING LATITUDE	EXISTING LONGITUDE	ULTIMATE LATITUDE	ULTIMATE LONGITUDE
ARP	N57°33'57.91"	W154°27'13.98"	N57°33'57.91"	W154°27'13.98"
THRESHOLD RW 10	N57°34'03.06"	W154°27'29.61"	N57°34'03.06"	W154°27'29.61"
THRESHOLD RW 28	N57°33'52.75"	W154°26'58.35"	N57°33'52.75"	W154°26'58.35"





VICINITY MAP

T 30 S, R 32 W, SEC. 20
SEWARD MERIDIAN
U.S.G.S. KARLUK (C-2), ALASKA

1 SM .5 SM 0 1 SM 2 SM
SCALE IN MILES

NOTES

1. THE RUNWAY THRESHOLDS, ARP, AND TRUE BEARING SHOWN ON THIS ALP HAVE BEEN CALCULATED USING HANDHELD GPS COORDINATES. THE RUNWAY BEARING INDICATED ON THE 1974 PROPERTY PLAN AND 1979 ALP DIFFERS FROM THE BEARING CALCULATED FOR THIS ALP. THE METHOD USED TO DETERMINE THE RUNWAY BEARING ON THE 1974 PROPERTY PLAN AND 1979 ALP IS UNKNOWN.
2. AIRPORT ELEVATION IS ESTIMATED FROM 1979 ALP.

WIND DATA TABLE

RUNWAY	10.5 kt	13 kt	16 kt	20 kt
10/28	–	–	–	–

* WIND DATA NOT AVAILABLE

MODIFICATION TO STANDARDS/ NON STANDARD CONDITIONS

DESCRIPTION	STANDARD	EXISTING	ULTIMATE
RSA LENGTH BEYOND RW 10	240'	200'	240'

BY	DATE	REVISION

DRAWING INDEX

SHT #	TITLE
1	AIRPORT DATA SHEET
2	AIRPORT LAYOUT PLAN
3	AIRPORT AIRSPACE

APPROVED: DATE: 9-14-07
Robert A. Campbell, P.E. PRECONSTRUCTION ENGINEER
RECOMMENDED: DATE: 9/14/2007
Harvey M. Douthit, P.E. DESIGN SECTION CHIEF

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED 10/4/07
FAA AIRSPACE REVIEW NUMBER: 2007-AAL-94-NRA
DATE: 10/4/07
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-600621

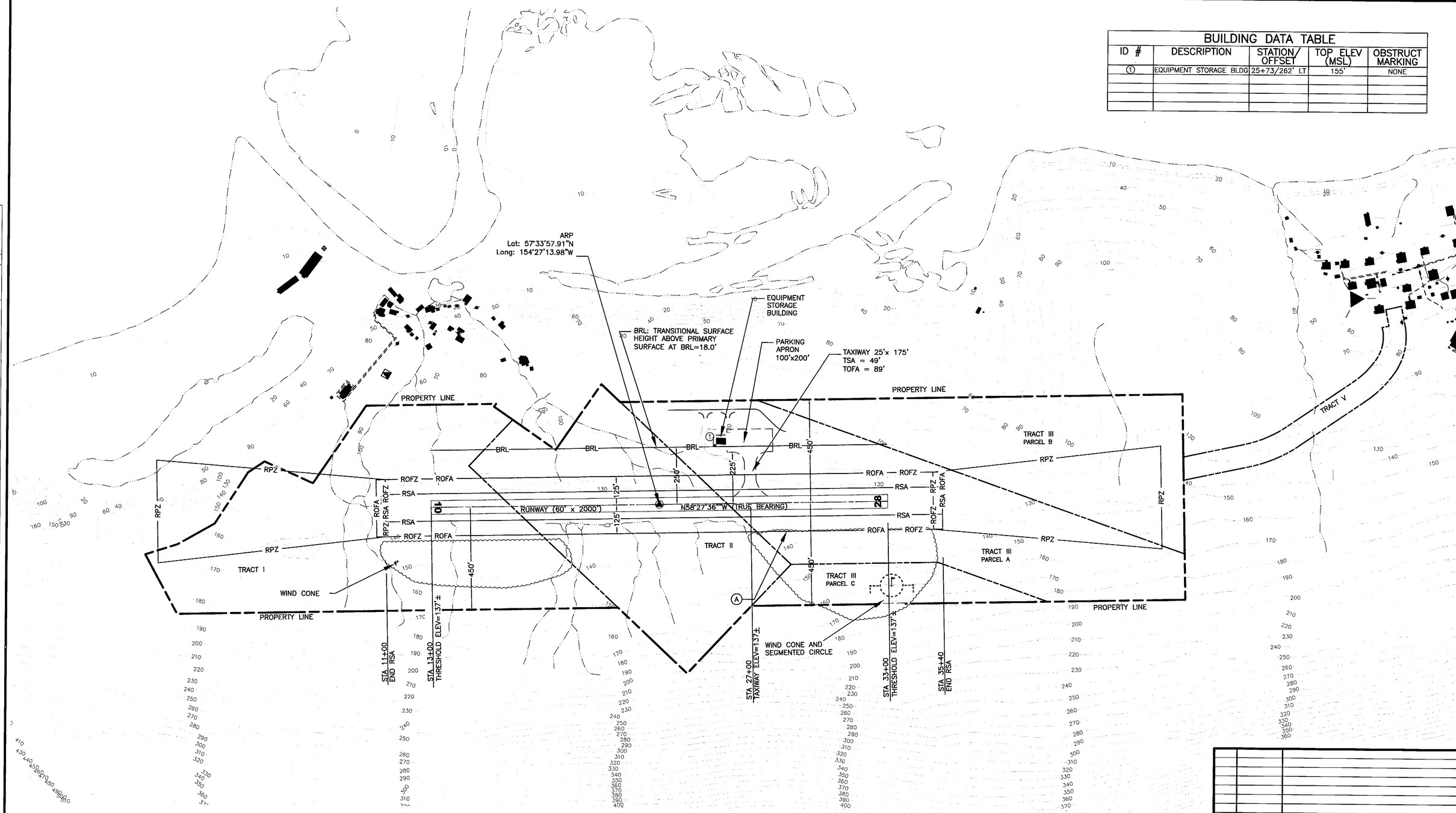
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

KARLUK AIRPORT
KARLUK, ALASKA
AIRPORT LAYOUT PLAN
AIRPORT DATA SHEET

DATE: 08/28/2007
SHEET: 1 OF 3

Designed By: nllewellyn
Drawn By: mbauer
Checked By: bhanson
DOWL FILE No.: 232-56-1
Date Plotted: 9/06/2007, 1:54 PM
Layout Name: Model
File Name: P:\Projects\D59422\D59422H\ALP\ALP_Karluk_Data.dwg

BUILDING DATA TABLE				
ID #	DESCRIPTION	STATION/ OFFSET	TOP ELEV (MSL)	OBSTRUCT MARKING
1	EQUIPMENT STORAGE BLDG	25+73/262' LT	155'	NONE



PROPERTY STATUS							
ID #	INTEREST	GRANTOR	GRANTEE	PARCEL SIZE	DATE ACQUIRED	RECORDED DOC NO.	ACQUIRED AIP NO.
TR I	30 YR AIRPORT LEASE			26.84 ac	6/6/1980		
TR II	FEE SIMPLE TITLE			18.30 ac	11/6/1976		
TR III, PCL A	FEE TITLE			23.17 ac	5/16/1980		
TR III, PCL B	DCRA IN TRUST			14.95 ac	6/6/1980		
TR III, PCL C	DCRA IN TRUST			4.01 ac	6/6/1980		
TR V	ROAD ROW, PERPETUAL			2.89 ac	6/6/1980		

ROFZ PENETRATIONS		
ID #	DESCRIPTION	DISPOSITION
A	BRUSH	REMOVE

BY	DATE	REVISION

KARLUK AIRPORT
KARLUK, ALASKA
AIRPORT LAYOUT PLAN

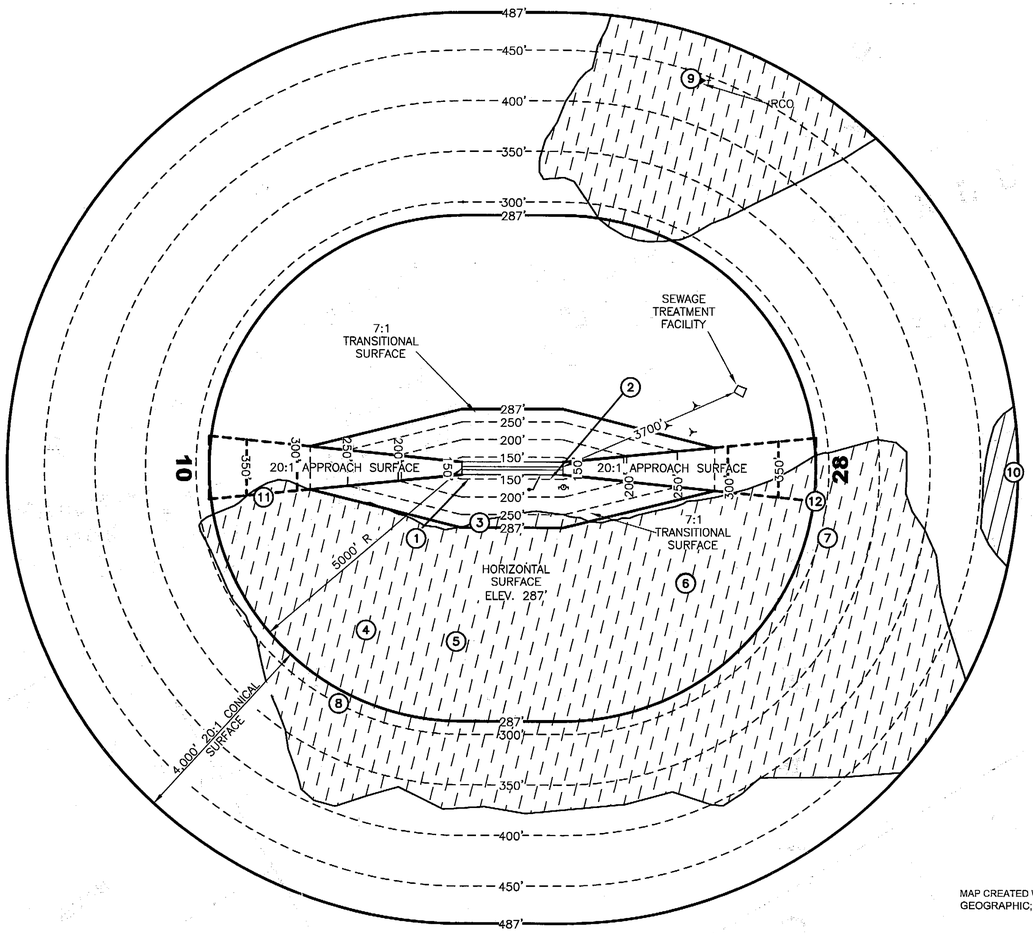
AIRPORT LAYOUT PLAN

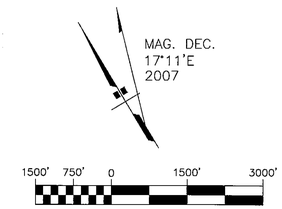
DATE: 08/28/2007
SHEET: 2 OF 3

Designed By:	nllewellyn
Drawn By:	mbauer
Checked By:	bhanson

DOWL FILE No.: 232-56-2

Date Plotted: 9/06/2007, 1:51 PM
Layout Name: LAYOUT
File Name: P:\Projects\D59422\D59422H\ALP\ALP_Karluk.dwg





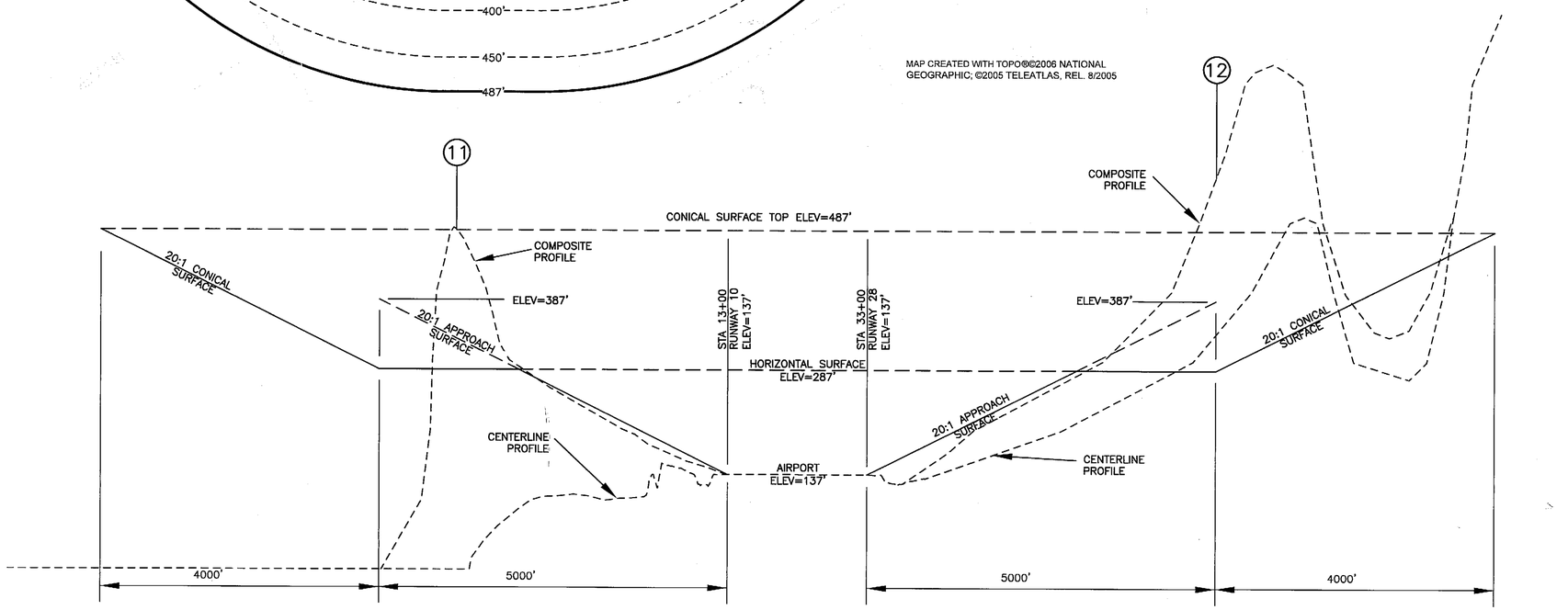
NOTES

1. AIRPORT AND RUNWAY END ELEVATIONS ARE 137'.
2. ALL CONTOURS ARE IN FEET.
3. PRIMARY SURFACE IS 250' WIDE.
4. A RANGEFINDER WITH A BUILT-IN INCLINOMETER WAS USED TO IDENTIFY OBSTRUCTIONS CLOSE TO THE RUNWAY IN THE PRIMARY AND TRANSITIONAL SURFACES.
5. PART 77 SURFACES BASED ON EXISTING AIRPORT LAYOUT.
6. THE RUNWAY 10 CONTROLLING OBSTRUCTION IS 3900' FROM THE RUNWAY THRESHOLD. THE OBSTRUCTION CLEARANCE SLOPE IS 11:1.
7. THE RUNWAY 28 CONTROLLING OBSTRUCTION IS 5000' FROM THE RUNWAY THRESHOLD. THE OBSTRUCTION CLEARANCE SLOPE IS 14:1.
8. RUNWAY 10/28 DOES NOT MEET CATEGORY 2 THRESHOLD SITING CRITERIA, BUT DOES MEET CATEGORY 1 SITING CRITERIA.
9. RUNWAY 10/28 IS FOR DAYTIME OPERATIONS ONLY.
10. A RCO IS LOCATED AT LATITUDE 57°34'47.40"N AND LONGITUDE 154°25'8.30"W; 1.27NM FROM CURRENT ARP. LATITUDE AND LONGITUDE COORDINATES PROVIDED BY THE FAA

PART 77 SURFACE OBSTRUCTIONS TABLE

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION
1	BUSHES	11+00/150'RT	147'±	TRANSITIONAL	140'	7'	REMOVE
2	BUSHES	28+00/110'RT	152'±	PRIMARY	137'	15'	REMOVE
3	TERRAIN	16+50/1000'RT	300'	TRANSITIONAL	260'	40'	REMAIN
4	TERRAIN	-6+50/3200'RT	1100'	HORIZONTAL	287'	813'	REMAIN
5	TERRAIN	11+50/3400'RT	1145'	HORIZONTAL	287'	858'	REMAIN
6	TERRAIN	60+00/2300'RT	1100'	HORIZONTAL	287'	813'	REMAIN
7	TERRAIN	85+00/1500'RT	1100'	CONICAL	300'	800'	REMAIN
8	TERRAIN	-10+00/4700'RT	700'	CONICAL	300'	400'	REMAIN
9	TERRAIN/TOWER	60+00/7700'LT	1501'	CONICAL	450'	1051'	REMAIN
10	TERRAIN	122+50/0'RT	800'	CONICAL	400'	325'	REMAIN
11	TERRAIN	-26+00/500'RT	500'	APPROACH	325'	175'	REMAIN
12	TERRAIN	83+00/600'RT	500'	APPROACH	387'	163'	REMAIN

MAP CREATED WITH TOPO®©2006 NATIONAL GEOGRAPHIC; ©2005 TELEATLAS, REL. 8/2005



RUNWAY PROFILE

BY	DATE	REVISION

KARLUK AIRPORT
KARLUK, ALASKA
AIRPORT LAYOUT PLAN
AIRPORT AIRSPACE
14 CFR, PART 77

DATE: 08/28/2007
SHEET: 3 OF 3

DOWL FILE No.: 232-56-3

Designed By:	nllewellyn
Drawn By:	mbauer
Checked By:	bhanson

Date Plotted:	9/06/2007, 1:53 PM
Layout Name:	Part77
File Name:	P:\Projects\059422\059422h\ALP\ALP_Karluk.dwg