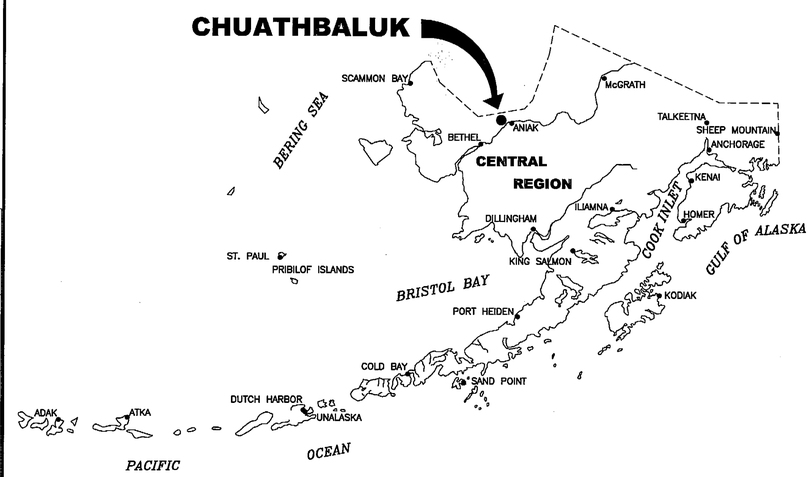
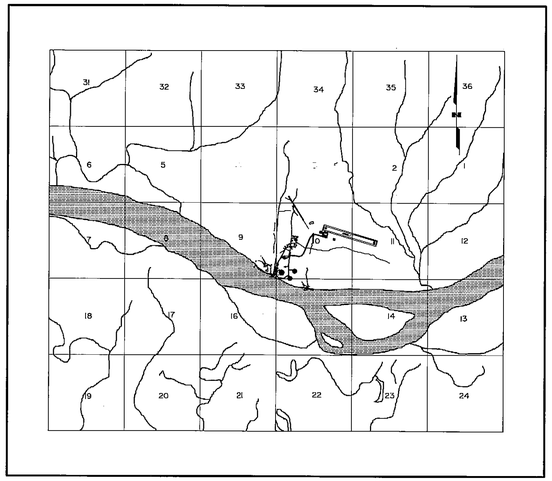
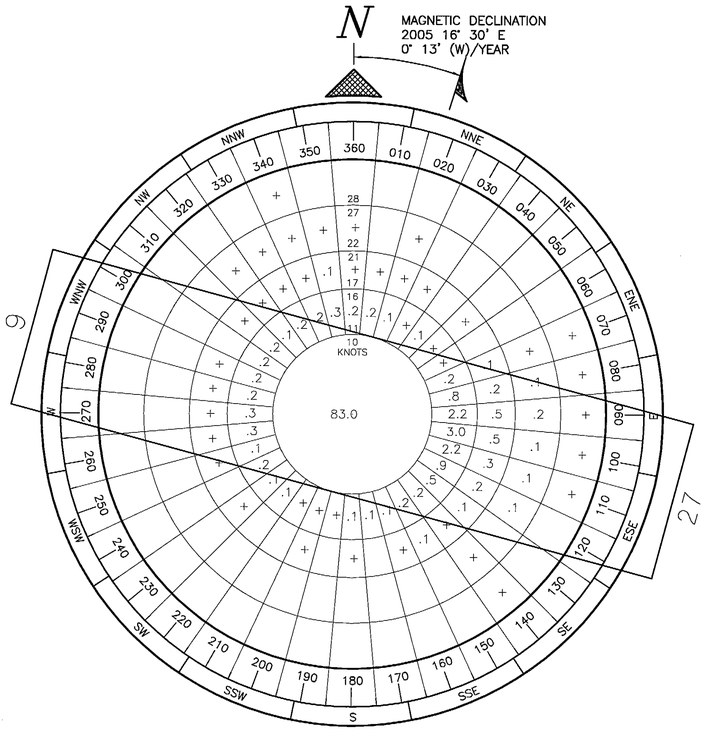


LOCATION MAP



VICINITY MAP

NO SCALE
T 17 N, R 55 W, SEC. 10–11
SEWARD MERIDIAN
USGS RUSSIAN MISSION (C–1), ALASKA



WIND DATA

WIND COVERAGE: SPEED — RUNWAY R/W 9/27
10.5 KNOTS — 97.83%

SOURCE: LOCAL WIND RECORDING STATION CHUATHBALUK, ALASKA

PERIOD: JULY, 1996 – APRIL, 1998

LEGEND

ITEM	EXISTING	PROPOSED
PROPERTY LINE		
BUILDING RESTRICTION LINE	BRL	BRL
AVIATION & HAZARD EASEMENT		
AIRPORT REFERENCE POINT (A.R.P.)		
WIND CONE AND SEGMENTED CIRCLE		
CONTOURS	100	100
ROADWAYS		
BUILDINGS		
ROTATING BEACON		
SHORELINE		
ANTENNA		
VASI		
BLUFF		
TREES		
FENCE	X X X	X X X
MALSF		
REIL		
RUNWAY THRESHOLD LIGHTS		

RUNWAY 9/27 DATA TABLE

ITEM	EXISTING	NEAR–TERM	ULTIMATE
RUNWAY TYPE UTILITY OR OTHER THAN UTILITY	UTILITY		
FAR PART 77 APPROACH CATEGORY (V, NPI, P)	NPI		
APPROACH SURFACES	20:1		
VISIBILITY MINIMUM	>1 MILE (RW)		
RUNWAY SURFACE	GRAVEL		
PAVEMENT STRENGTH SW,DW,DTW,DDTW x1000lbs	N/A		
AIRCRAFT APPROACH CATEGORY	B		
AIRPLANE DESIGN GROUP	I		
TRUE BEARING	S 73°34'22" E		
EFFECTIVE GRADE	1.16%		
TOUCHDOWN ELEVATION NAVD88	241.51'/235.43'		
RUNWAY DIMENSIONS	60'x3400'		
RUNWAY SAFETY AREA (RSA) DIMENSIONS	120'x3880'		
LENGTH BEYOND R/W END	240'		
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	500' x 1000' x 700'		
RUNWAY OBJECT FREE AREA (OFA) DIMENSIONS	400'x3880'		
LENGTH BEYOND R/W END OR STOPWAY	240'		
RUNWAY OBSTACLE FREE ZONE (OFZ) DIMENSIONS	250'x3800'		
RUNWAY LIGHTING	MRL		
RUNWAY MARKING TYPE	NONE		
RUNWAY VISUAL APPROACH AIDS	PAPI/REIL		

AIRPORT DATA TABLE

ITEM	EXISTING	ULTIMATE
ICAO IDENTIFIER	NONE	
NATIONAL AIRPORT IDENTIFIER	9A3	
FAA SITE NUMBER	50104.37*A	
AIRPORT ELEVATION NAVD88	241.51'	
AIRPORT REFERENCE CODE	B–I UTILITY	
MEAN MAX. TEMPERATURE, HOTTEST MONTH	65°F (18.1°C)	
AIRPORT AND TERMINAL NAVIGATION AIDS	GPS/PAPI	
	ROTATING BEACON	
TAXIWAY LIGHTING/MARKING	M. I. / NA	
OBSTRUCTION SURVEY SOURCE & TYPE	NONE	
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE	2005 16°30'E, 0°13' (W) /YEAR	

GEOGRAPHIC COORDINATES TABLE

ITEM	EXISTING LATITUDE	EXISTING LONGITUDE	ULTIMATE LATITUDE	ULTIMATE LONGITUDE
ARP	61°34'44.63"N	159°12'56.29"W		
THRESHOLD RW 9	61°34'49.37"N	159°13'29.96"W		
THRESHOLD RW 27	61°34'39.90"N	159°12'22.60"W		

NOTE: RUNWAY GEOGRAPHIC POSITIONS FROM 2006 MULLIKIN RECORD OF SURVEY. ELEVATIONS CONVERTED TO NAVD88 BY ADDING 1.51' TO 2001 R&M SURVEY DESIGN.

MODIFICATION TO STANDARDS/ NON STANDARD CONDITIONS

DESCRIPTION	STANDARD	EXISTING	ULTIMATE
NONE			

DRAWING INDEX

SHT #	TITLE
1	INDEX, WIND ROSE, VICINITY MAP AND DATA TABLE
2	RUNWAY 9/27 PLAN AND PROFILE
3	INNER PORTION OF APPROACH SURFACES PLAN AND PROFILE
4	F.A.R. PART 77 SURFACES
5	PROPERTY MAP

APPROVED: DATE: 4-25-07
ROBERT A. CAMPBELL, P.E. PRECONSTRUCTION ENGINEER
RECOMMENDED: DATE: 4/25/2007
HARVEY M. DOUTHIT, P.E. DESIGN SECTION CHIEF

BY	DATE	REVISION

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED 5/2/2007
FAA AIRSPACE REVIEW NUMBER: 01–AAL–230NRA
DATE: 5/2/2007
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

CHUATHBALUK AIRPORT
CHUATHBALUK, ALASKA
AIRPORT LAYOUT PLAN
COVER SHEET AND INDEX
VICINITY MAP AND
DATA TABLES

DATE: 11/08/2006,
SHEET: 1 OF 5

Designed By: BCJ
Drawn By: CRS
Checked By: BCJ
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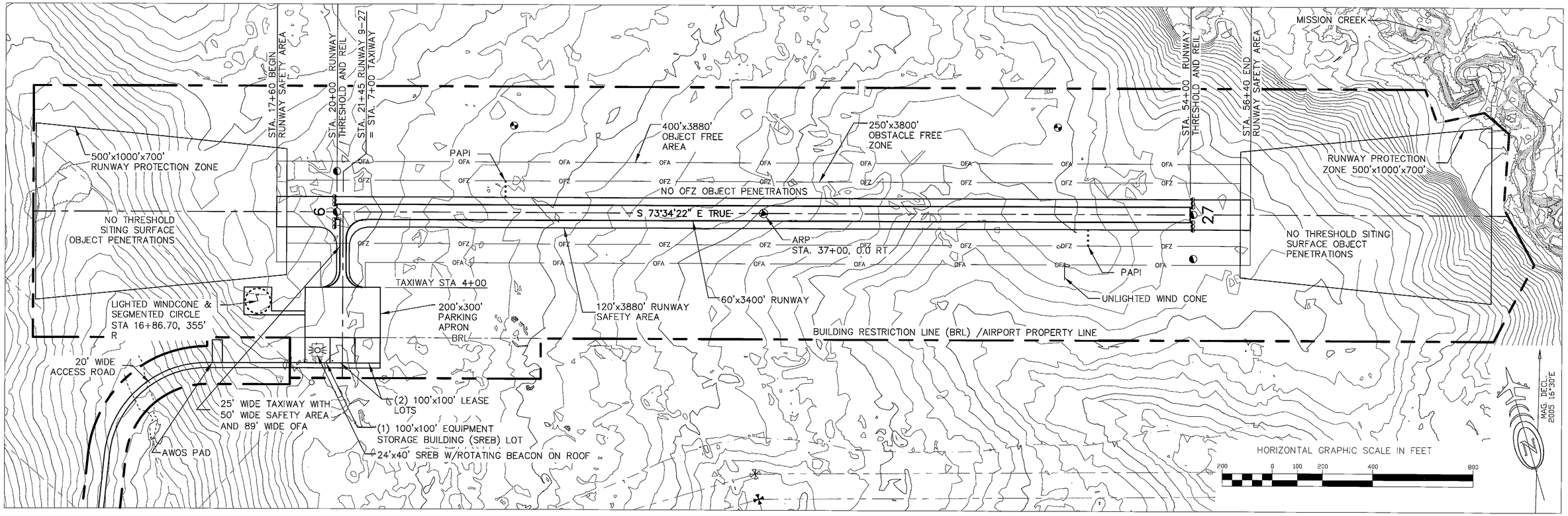
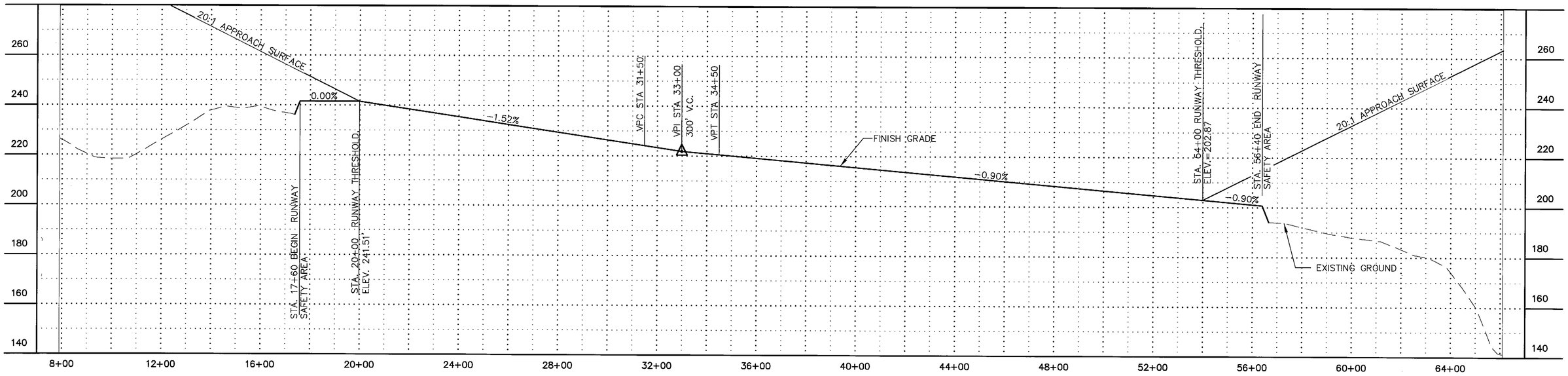


RUNWAY 9/27 PLAN



RUNWAY 9/27 PROFILE

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Checked By:

Date Plotted: 11/08/2006, 1:57 PM
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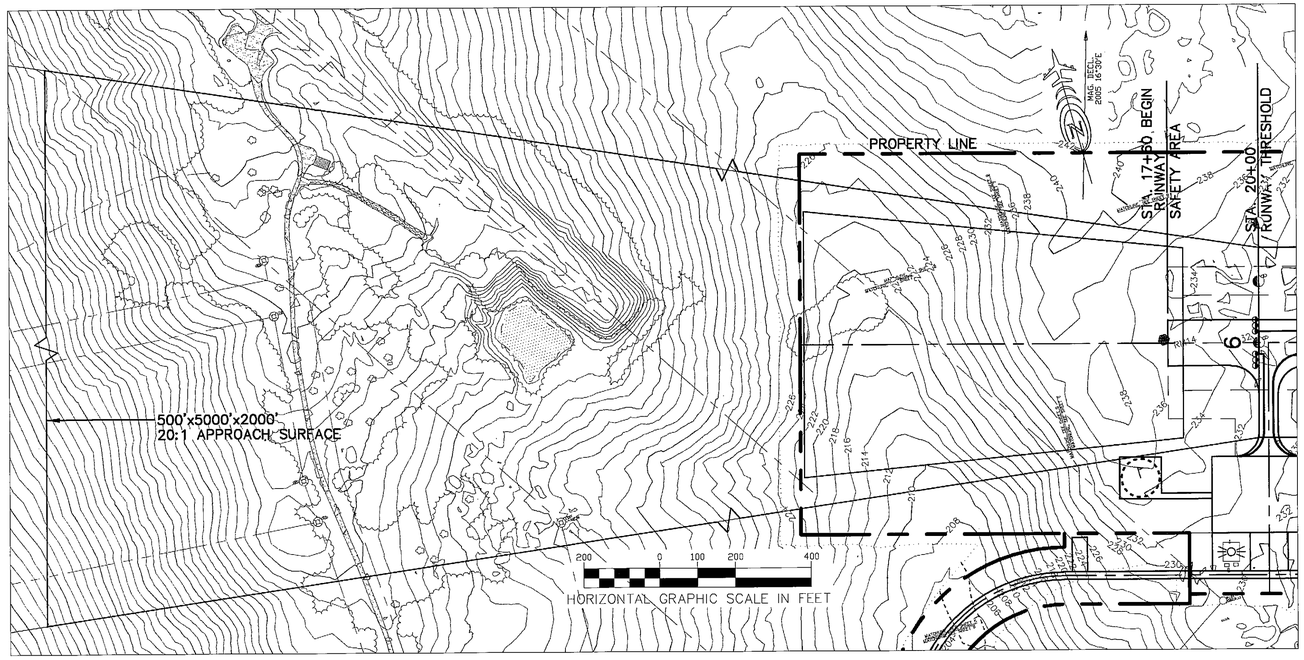
BY	DATE	REVISION

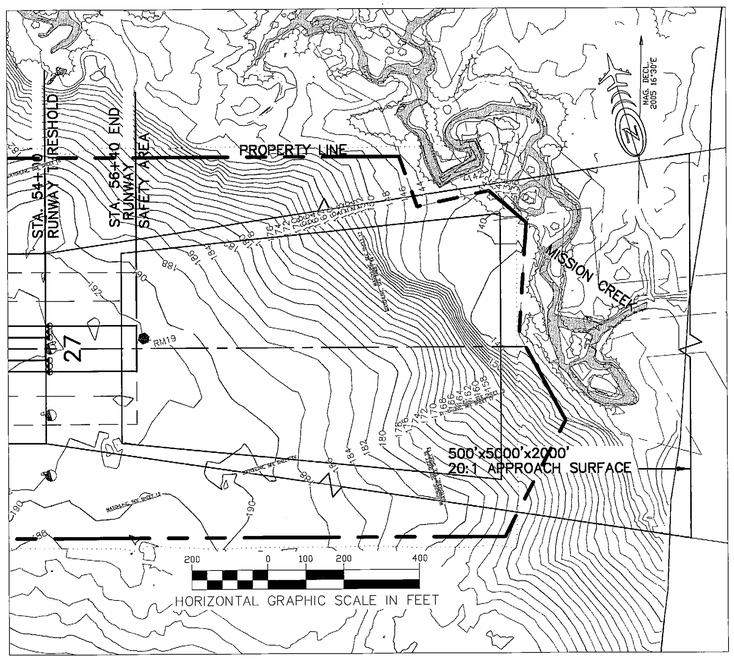
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

CHUATHBALUK
CHUATHBALUK, ALASKA
AIRPORT LAYOUT PLAN
RUNWAY 9/27
PLAN AND PROFILE

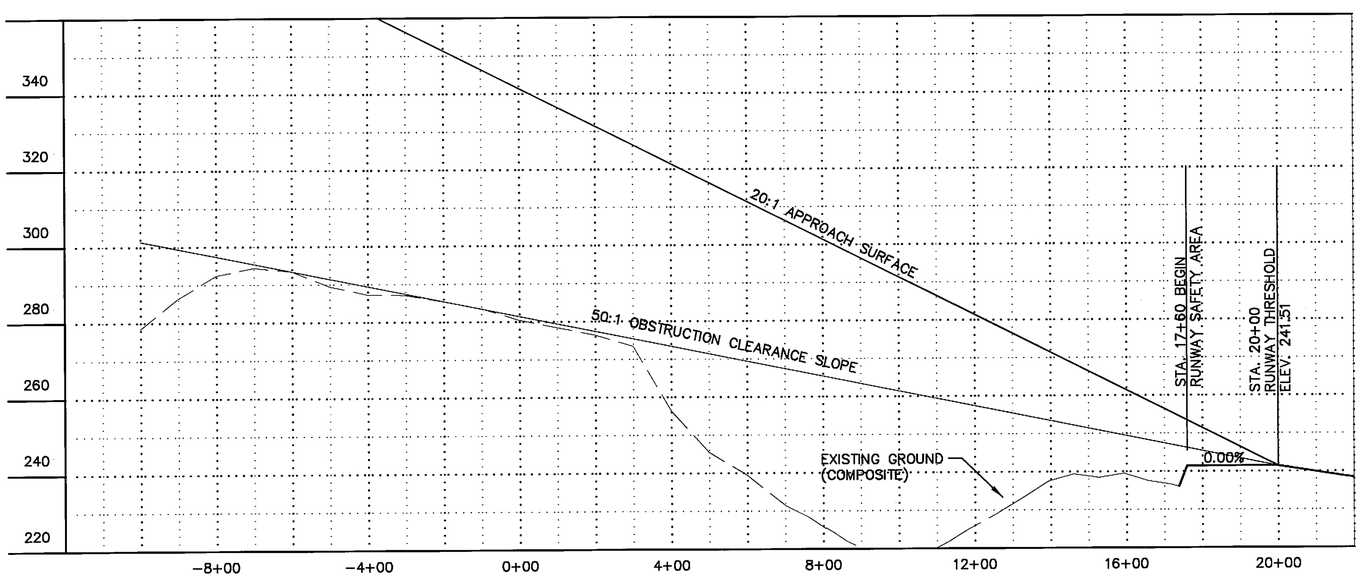
DATE: 11/08/2006,
SHEET: 2 OF 5



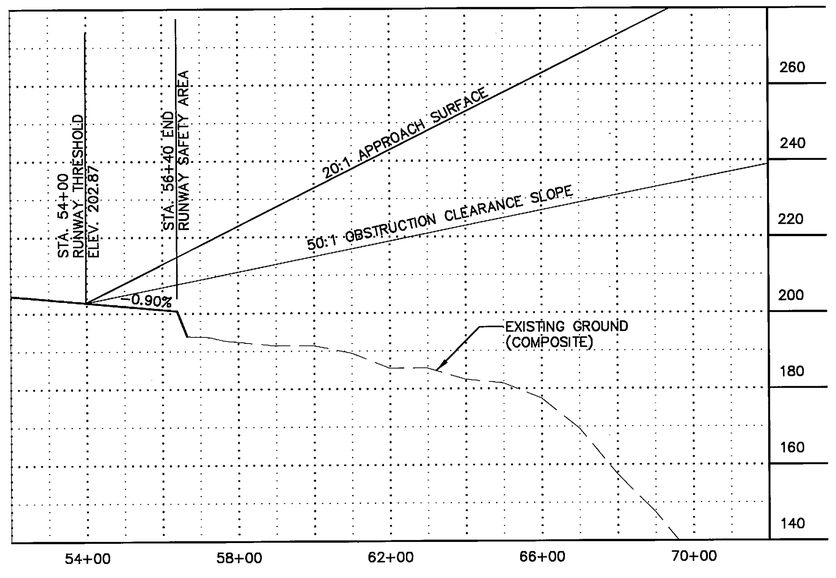
RUNWAY 9 PLAN



RUNWAY 27 PLAN



RUNWAY 9 PROFILE



RUNWAY 27 PROFILE

NOTES:

1. THERE ARE NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS FOR BOTH RUNWAY APPROACHES.

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

CHUATHBALUK
CHUATHBALUK, ALASKA
AIRPORT LAYOUT PLAN
INNER PORTION OF APPROACH SURFACES PLAN AND PROFILE

DATE: 11/08/2006.
SHEET: 3 OF 5

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Drawn By:
Checked By:

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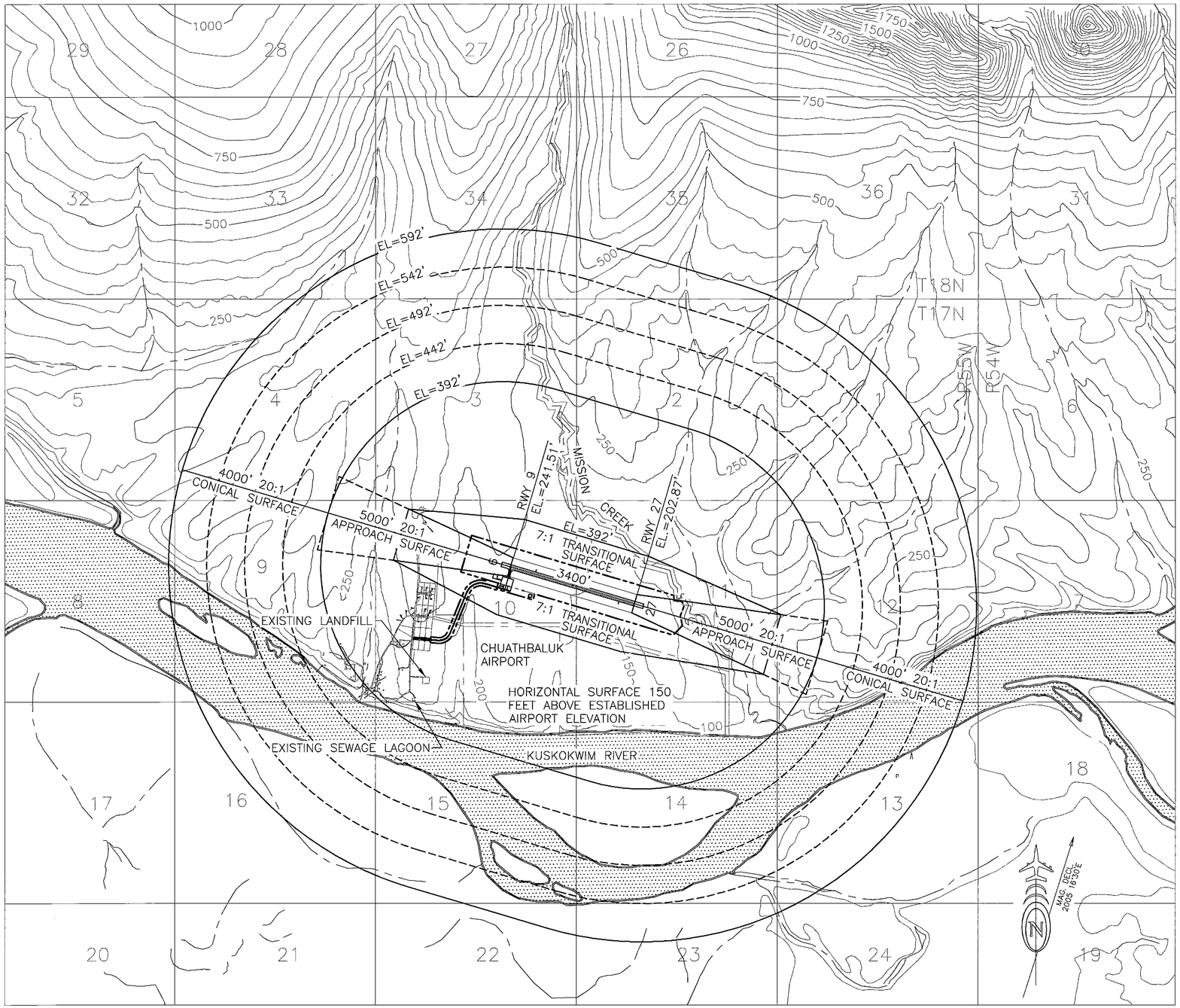

NOTES:

1. ALL ELEVATIONS ARE IN NAVD88 VERTICAL DATUM. BASE MAP IS USGS TOPOGRAPHIC MAP.
2. ESTABLISHED AIRPORT ELEVATION IS 241.5 FEET.
3. NO OBSTRUCTIONS, INCLUDING GROUND PENETRATIONS, ARE REPORTED WITHIN F.A.R. PART 77 IMAGINARY SURFACES.
4. CHUATHBALUK AIRPORT IS PLANNED FOR NPI APPROACHES WITH VISIBILITY MINIMUMS NOT LESS THAN 1 MILE. AIRPORT REFERENCE CODE B–1 UTILITY RUNWAY
5. PRIMARY SURFACE WIDTH IS 500'

3000 0 1500 3000 6000

GRAPHIC SCALE

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Drawn By:
Checked By:

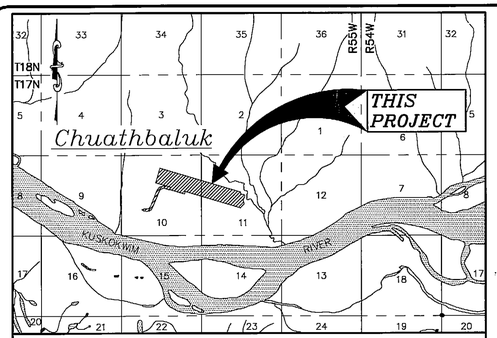
Date Plotted: 11/08/2006, 2:16 PM
Layout Name: Layout1
File Name: W:\Projects\Chuathbaluk\AIP-2006\Final Drawings\F.A.R. Part 77.dwg

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

CHUATHBALUK AIRPORT
CHUATHBALUK, ALASKA
AIRPORT LAYOUT PLAN
F.A.R. PART 77 SURFACES

DATE: 11/08/2006,
SHEET: 4 OF 5



VICINITY MAP

SCALE: 1"=5000' SOURCE: USGS QUAD RUSSIAN MISSION (C-1) 1952
LOCATED WITHIN SURVEYED T17N, R55W, SM, AK.
KUSKOKWIM RECORDING DISTRICT

LEGEND

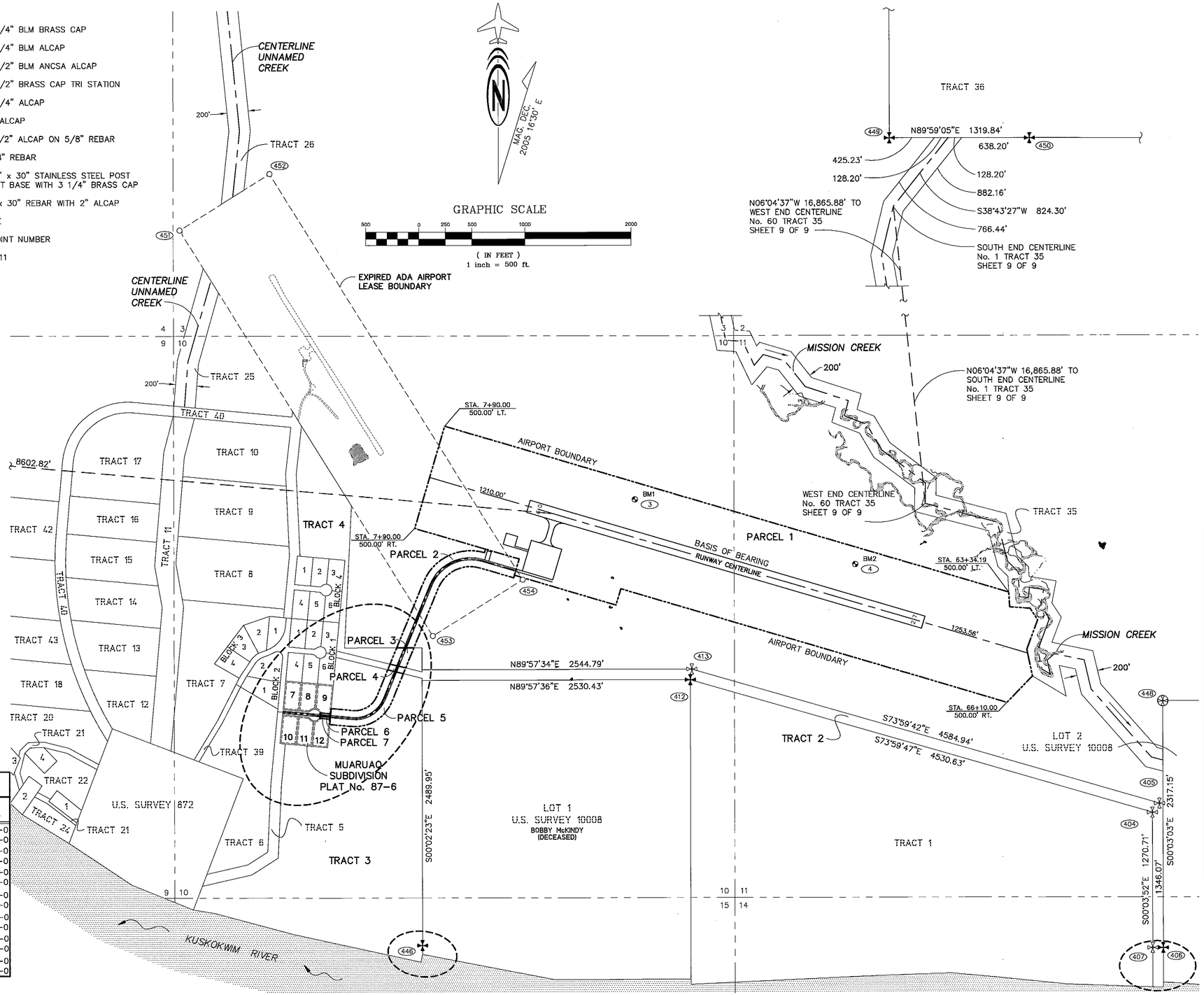
- FOUND 3 1/4" BLM BRASS CAP
- FOUND 3 1/4" BLM ALCAP
- FOUND 2 1/2" BLM ANCSA ALCAP
- FOUND 3 1/2" BRASS CAP TRI STATION
- FOUND 3 1/4" ALCAP
- FOUND 2" ALCAP
- FOUND 1 1/2" ALCAP ON 5/8" REBAR
- FOUND 5/8" REBAR
- SET 2 1/2" x 30" STAINLESS STEEL POST FLANGED AT BASE WITH 3 1/4" BRASS CAP
- SET 5/8" x 30" REBAR WITH 2" ALCAP
- SURVEY TIE
- (123) SURVEY POINT NUMBER
- TRACT SEE NOTE 11

PROJECT NOTES

1. Project bearings are local grid bearings oriented to the NAD83 geodetic mean bearing of proposed runway 9/27 centerline. The mean geodetic bearing of proposed runway 9/27 centerline was determined from a GPS static survey of proposed runway 9/27 centerline endpoints at station 20+00.00 and 54+12.31.
2. The geographic coordinates are referenced to the NAD83 (92) datum established from GPS static ties to KENAI 1 CORS, L1 Phase Center, Epoch 1997, LAT=60°40'30.28634 N, Long=151°21'00.57209"W and KODIAK 1 CORS, L1 Phase Center, Epoch 1997, Lat=57°37'03.68614"N, Long=152°11'36.26146"W.
3. The project coordinates are referenced to a local datum based on an assumed coordinate value (N 50000.00', E 100000.00') at proposed runway 9/27 centerline station 20+00.00. A combined project scale factor of 1.00006673 was applied to the Alaska Coordinate System of 1983, Zone 6 coordinate values to obtain local ground distances.
4. Translation Parameters: To convert the local coordinates to NAD83 (92) State Plane Meter coordinates, reference point No. 1, translate +794834.6968 N, +334969.2993 E, rotation angle −01°04'08", and scale using 0.99993327.
5. The vertical datum is based on the National Geodetic Vertical Datum of 1929 (NGVD) which approximates Mean Sea Level (MSL). The elevations are referenced to the Fourth Order published elevation of the NGS triangulation station "Russ 1951". The published elevation for "Russ 1951" is 243 feet above MSL.
6. The project control was established and the boundary monumentation ties were accomplished using GPS Static surveying techniques utilizing Trimble 4800 dual frequency receivers. The GPS data was processed and a simultaneous least squares adjustment was performed using Trimble Geomatics Office software.
7. The township protraction is based on the Bureau of Land Management, United States Rectangular Survey of Township 17 North, Range 55 West, of the Seward Meridian, Alaska, filed September 2, 1997.
8. Distances shown are ground distances reduced to horizontal in U.S. Survey Feet.
9. The minimum closure of all traverses, meets or exceeds 1:10,000.
10. The information shown is based on field surveys performed by R&M Consultants, Inc. during June and July, 2001.
11. All tract boundaries shown are based on the official plat described as "Alaska Native Claims Settlement Act (ANSCA), Section 14(c), Survey of Tracts 1 through 18 and Tracts 20 through 43 at Chuathbaluk, Alaska," filed under plat number 96-5, Kuskokwim Recording District, Fourth Judicial District, State of Alaska.

PROPERTY STATUS

Parcel No.	Larger Parcel	Take	Grantor	Interest	Date Acquired	Acquired Under A.I.P. No.	Recorded Document No.
1	Large	138.0784 ac.	Kuskokwim Corp. – Surface Calista Corp. – Subsurface	Fee Simple	8-7-02 8-7-02	3-02-0353-1	2002-000266-0 2002-000265-0
2	Large	5.6250 ac.	Kuskokwim Corp. – Surface Calista Corp. – Subsurface	Fee Simple	8-7-02 8-7-02	3-02-0353-1	2002-000266-0 2002-000265-0
3	13.4621 ac.	0.6327 ac.	City of Chuathbaluk – Surface Calista Corp. – Subsurface	Fee Simple	6-14-02 6-24-02	3-02-0353-1	2002-000236-0 2002-000235-0
4	21.2970 ac.	0.2029 ac.	City of Chuathbaluk – Surface Calista Corp. – Subsurface	Fee Simple	6-14-02 6-24-02	3-02-0353-1	2002-000236-0 2002-000235-0
5	80.01 ac.	2.9646 ac.	City of Chuathbaluk – Surface Calista Corp. – Subsurface	Fee Simple	6-14-02 6-24-02	3-02-0353-1	2002-000236-0 2002-000235-0
6	0.9594 ac.	0.0553 ac.	City of Chuathbaluk – Surface Calista Corp. – Subsurface	Fee Simple	6-14-02 6-24-02	3-02-0353-1	2002-000236-0 2002-000235-0
7	0.9607 ac.	0.0554 ac.	City of Chuathbaluk – Surface Calista Corp. – Subsurface	Fee Simple	6-14-02 6-24-02	3-02-0353-1	2002-000236-0 2002-000235-0



BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

CHUATHBALUK AIRPORT
CHUATHBALUK, ALASKA
PROPERTY MAP

DATE: 11/08/2006.
SHEET: 5 OF 5

Designed By:
Drawn By:
Checked By:

Date Plotted: 11/08/2006, 3:35 PM
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