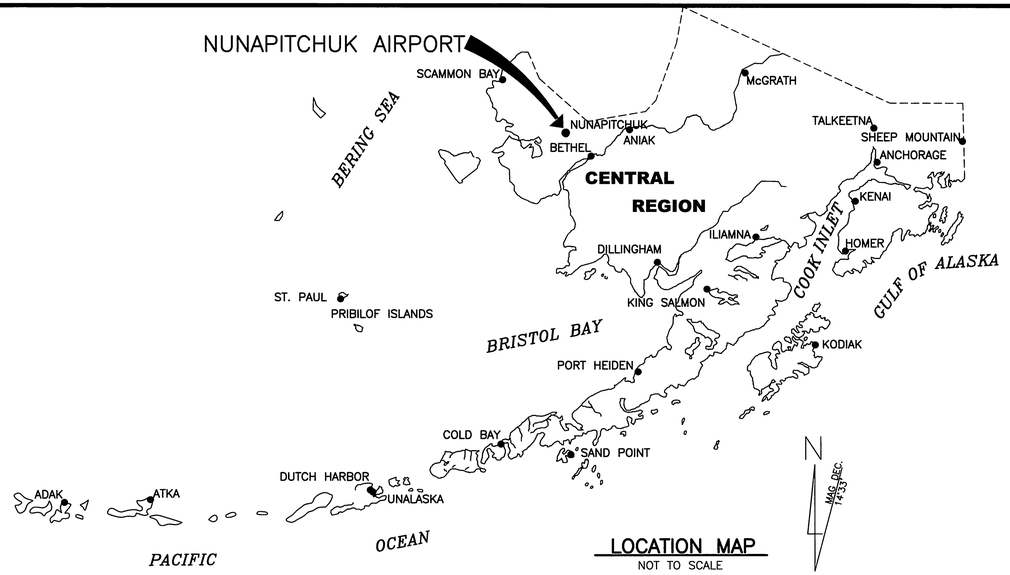


LOCATION MAP
NOT TO SCALE

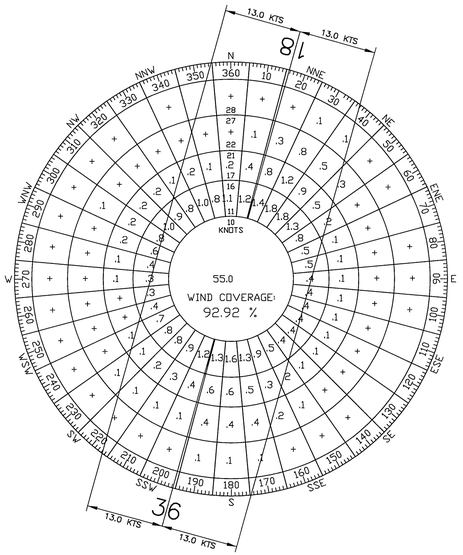
LEGEND		
ITEM	EXISTING	ULTIMATE
AIRPORT REFERENCE POINT (A.R.P.)		
ANTENNA		
BLUFF		
BUILDINGS		
BUILDING RESTRICTION LINE	BR	BR
FENCE	-X-X-X-	-X-X-X-
PAPI		
PROPERTY LINE		
REIL		
ROADWAYS		
ROTATING BEACON		
SHORELINE		
SURVEY MONUMENT		
THRESHOLD MARKERS/LIGHTS		
TOPOGRAPHIC CONTOURS	100	100
TREE (LARGE SINGLE)		
TREELINE		
VASI		
WIND CONE		
WIND CONE AND SEGMENTED CIRCLE		

AIRPORT DATA TABLE		
ITEM	EXISTING	EXISTING
ICAO IDENTIFIER	16A	16A
NATIONAL AIRPORT IDENTIFIER	16A	16A
FAA SITE NUMBER	50552.1*A	50552.1*A
AIRPORT ELEVATION (NAVD88)	10.2'	11.6'
AIRPORT REFERENCE CODE	A-I	A-I
MEAN MAX. TEMPERATURE, HOTTEST MONTH	55 °F; JULY	55 °F; JULY
AIRPORT AND TERMINAL NAVIGATION AIDS	NONE	ROTATING BEACON
TAXIWAY LIGHTING/MARKING	NONE	MITL
OBSTRUCTION SURVEY SOURCE & TYPE	N/A	ASCG INC 2001
MAGNETIC DECLINATION, YEAR	18°10'E, 1985	14°33'E, 11/2005
MAGNETIC DECLINATION, RATE OF CHANGE PER YR		11' WEST

RUNWAY 18/36 DATA TABLE			
ITEM	EXISTING	NEAR-TERM	EXISTING
RUNWAY TYPE UTILITY OR OTHER THAN UTILITY	UTILITY		OTHER THAN UTILITY
FAR PART 77 APPROACH CATEGORY (V, NPI, P)	VISUAL		VISUAL
APPROACH SURFACES	20:1 / 20:1		34:1 / 34:1
VISIBILITY MINIMUM	> 1 SM		1 SM
RUNWAY SURFACE	GRAVEL		GRAVEL
PAVEMENT STRENGTH SW,DW,DTW,DDTW x1000lbs	N/A		N/A
AIRCRAFT APPROACH CATEGORY	A		A
AIRPLANE DESIGN GROUP	I		I
TRUE BEARING	N15°41'38"E		N15°47'45"E
EFFECTIVE GRADE	0.20%		0.03%
TOUCHDOWN ELEVATION (NAVD88)	10.2'		10.5'
RUNWAY DIMENSIONS	60' X 2,040'		75' X 2,420'
RUNWAY SAFETY AREA (RSA) DIMENSIONS	120' X 2,440'		120' X 2,900'
LENGTH BEYOND R/W END	200'		240'
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS			
INNER WIDTH	250'		500'
OUTER WIDTH	450'		700'
LENGTH	1,000'		1,000'
RUNWAY OBJECT FREE AREA (OFA) DIMENSIONS	400' X 2,520'		500' X 2,900'
LENGTH BEYOND R/W END OR STOPWAY	240'		240'
RUNWAY OBSTACLE FREE ZONE (OFZ) DIMENSIONS	250' X 2,440'		250' X 2,820'
RUNWAY LIGHTING	NONE		MIRL
RUNWAY MARKING TYPE	NONE		NONE
RUNWAY VISUAL APPROACH AIDS	NONE		PAPI, REILS

NOTES:

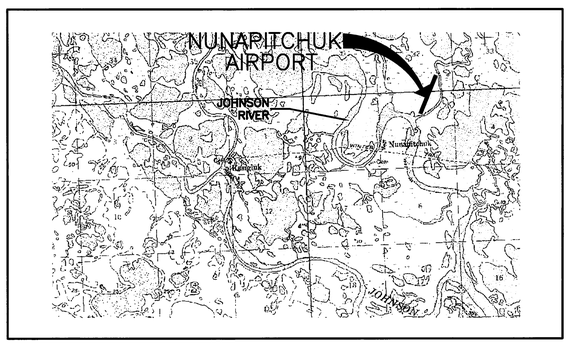
1. HORIZONTAL CONTROL IS NAD 83.
2. VERTICAL CONTROL IS NAVD 88.
3. APPROACHES AND IMAGINARY SURFACES MEET NPI REQUIREMENTS.



WIND DATA TABLE				
RUNWAY	10.5 kt	13 kt	16 kt	20 kt
18/36	86.93%	92.92%		

SOURCE: ALASKA STATE CLIMATE CENTER
ENRI, UNIVERSITY OF ALASKA
21 MARCH 2000
FOR BETHEL, AK; 22 MILES SOUTHEAST OF NUNAPITCHUK
PERIOD: 1991-1996

GEOGRAPHIC COORDINATES TABLE				
ITEM	EXISTING LATITUDE	EXISTING LONGITUDE	EXISTING LATITUDE	EXISTING LONGITUDE
ARP	60°54'21.828"N	162°26'25.501"W	60°54'21.639"N	162°26'26.128"W
THRESHOLD 18	60°54'31.545"N	162°26'19.885"W	60°54'33.106"N	162°26'19.467"W
THRESHOLD 36	60°54'12.111"N	162°26'31.107"W	60°54'10.174"N	162°26'32.787"W



1 SM .5 SM 0 1 SM 2 SM

VICINITY MAP

T 9 N, R 74 W, SEC. 32
SEWARD MERIDIAN
U.S.G.S. BAIRD INLET (D-2), ALASKA
MAGNETIC DECLINATION: 14°33' E, NOV. 2005

MAG DEC. 14°33'

NON STANDARD CONDITIONS		
DESCRIPTION	STANDARD	EXISTING
SEWAGE LAGOON SEPARATION DISTANCE (EXISTING NON-STANDARD CONDITION)	5,000 FT	4,344 FT

DRAWING INDEX	
SHT #	TITLE
1	WIND ROSE, DATA TABLES, LOCATION MAP & VICINITY MAP
	~~EXISTING PLAN~~
2	~~ULTIMATE PLAN~~ EXISTING PLAN
3	RUNWAY 36 INNER PORTION OF THE APPROACH SURFACE
4	RUNWAY 18 INNER PORTION OF THE APPROACH SURFACE
5	AIRPORT AIRSPACE
6	AIRPORT PROPERTY MAP

BY	DATE	REVISION
RE PAPA	08/2014	UPDATE PER AKSAS 54850

APPROVED: DATE: 7/17/07
ROBERT A. CAMPBELL, P.E. PRECONSTRUCTION ENGINEER
RECOMMENDED: DATE: 7/17/2007
HARVEY M. DOUTHIT, P.E. DESIGN SECTION CHIEF

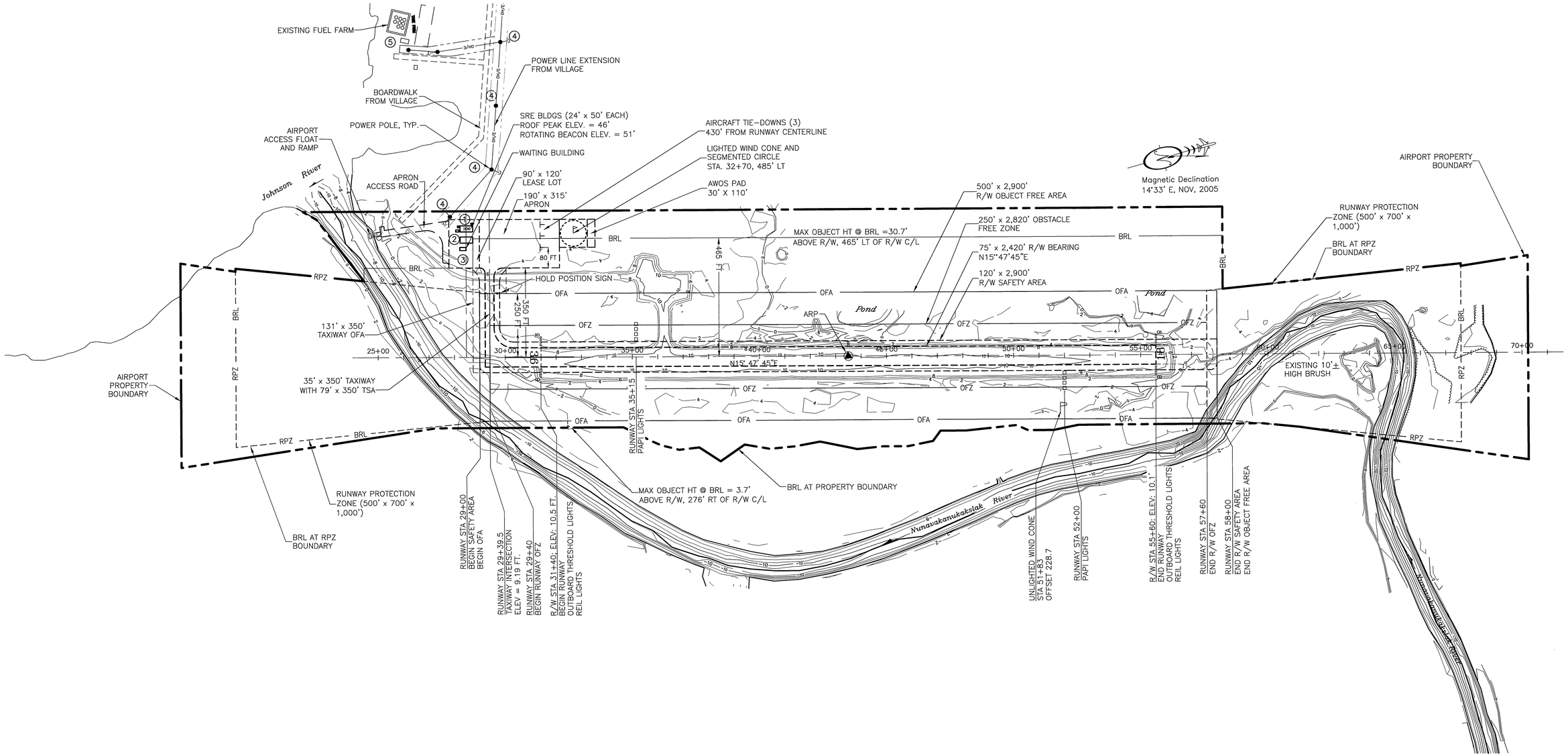
AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO
ALP APPROVAL LETTER DATED 7/20/07
FAA AIRSPACE REVIEW NUMBER: 02-AAL-024 NRA
DATE: 7-20-07
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

NUNAPITCHUK AIRPORT
NUNAPITCHUK, ALASKA
AIRPORT LAYOUT PLAN
WIND ROSE, DATA TABLES
LOCATION MAP
VICINITY MAP

DATE: July, 2007
SHEET: 1 OF 6

Date Plotted:	July 13, 2007
Layout Name:	DATA - WC MAP - LOC MAP
File Name:	4286_Sheet-1
Designed By:	STR
Drawn By:	MHL
Checked By:	JF



BUILDING/STRUCTURE TABLE					
BUILDING NUMBER	DESCRIPTION	R/W STA AND OFFSET	ELEV. AT TOP OF STRUCTURE	OBSTRUCTION MARKING	BLDG REMOVED OR RELOCATED
①	SNOW REMOVAL EQUIPMENT BUILDING (NEW)	R/W STA 28+50; OFFSET: 504'	36.0'	NO	NEW BLDG
②	SNOW REMOVAL EQUIPMENT BUILDING (NEW)	R/W STA 28+50; OFFSET: 460'	30.0'	NO	NEW BLDG
③	WAITING BUILDING	R/W STA 27+40; OFFSET: 400'	21.0'	NO	RELOCATED TO NEW PAD
④	POWER POLE (NEAREST TO RW)	R/W STA 27+85; OFFSET: 550'	43.0'	NO	NEW POLE
⑤	FUEL FARM	R/W STA 25+75; OFFSET: 1,268'	30.0'	NO	EXISTING, TO REMAIN

NOTES:

1. NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.
2. NO OFZ OBJECT PENETRATIONS.
3. SURVEY INFORMATION FROM ASCG SURVEY 2001 FOR NON-PRECISION APPROACH ≥ 1 STATUTE MILE, DAY ONLY.
4. MONUMENT INFORMATION CAN BE FOUND ON SHEET 6, AIRPORT PROPERTY MAP.
5. CONTOURS AND ELEVATIONS SHOWN IN WATER BODIES AND RIVERS REPRESENT THE UNDERWATER GROUND SURFACE AND ARE NEGATIVE VALUES.
6. BRL AT LEASE LOT HAS A HEIGHT RESTRICTION OF 14.3 FT ABOVE R/W 36 THRESHOLD.
7. AIRSPACE CLEARANCES ARE REDUCED WHEN THE BRL IS LESS THAN 465' FROM R/W CENTERLINE.

GRAPHIC SCALE
200 0 100 200 400
(IN FEET)

Date Plotted:	July 10, 2007
Layout Name:	Layout 3
File Name:	4286_Sheets 3, 4 & 5
Designed By:	STR
Drawn By:	KML
Checked By:	JF

BY	DATE	REVISION
	08/2014	UPDATE PER AKSAS 54850

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

NUNAPITCHUK AIRPORT
NUNAPITCHUK, ALASKA
AIRPORT LAYOUT PLAN

EXISTING PLAN

DATE: July, 2007
SHEET: 2 OF 6

NOTES:

1. ALL ELEVATIONS OUTSIDE RUNWAY STATION 25+88 TO RUNWAY STATION 68+88 WERE TAKEN FROM USGS QUADRANGLE MAPS BAIRD INLET D–1 AND BAIRD INLET D–2 (1954).

2. RUNWAY 36 TOUCHDOWN ZONE ELEVATION IS 10.5 FT.

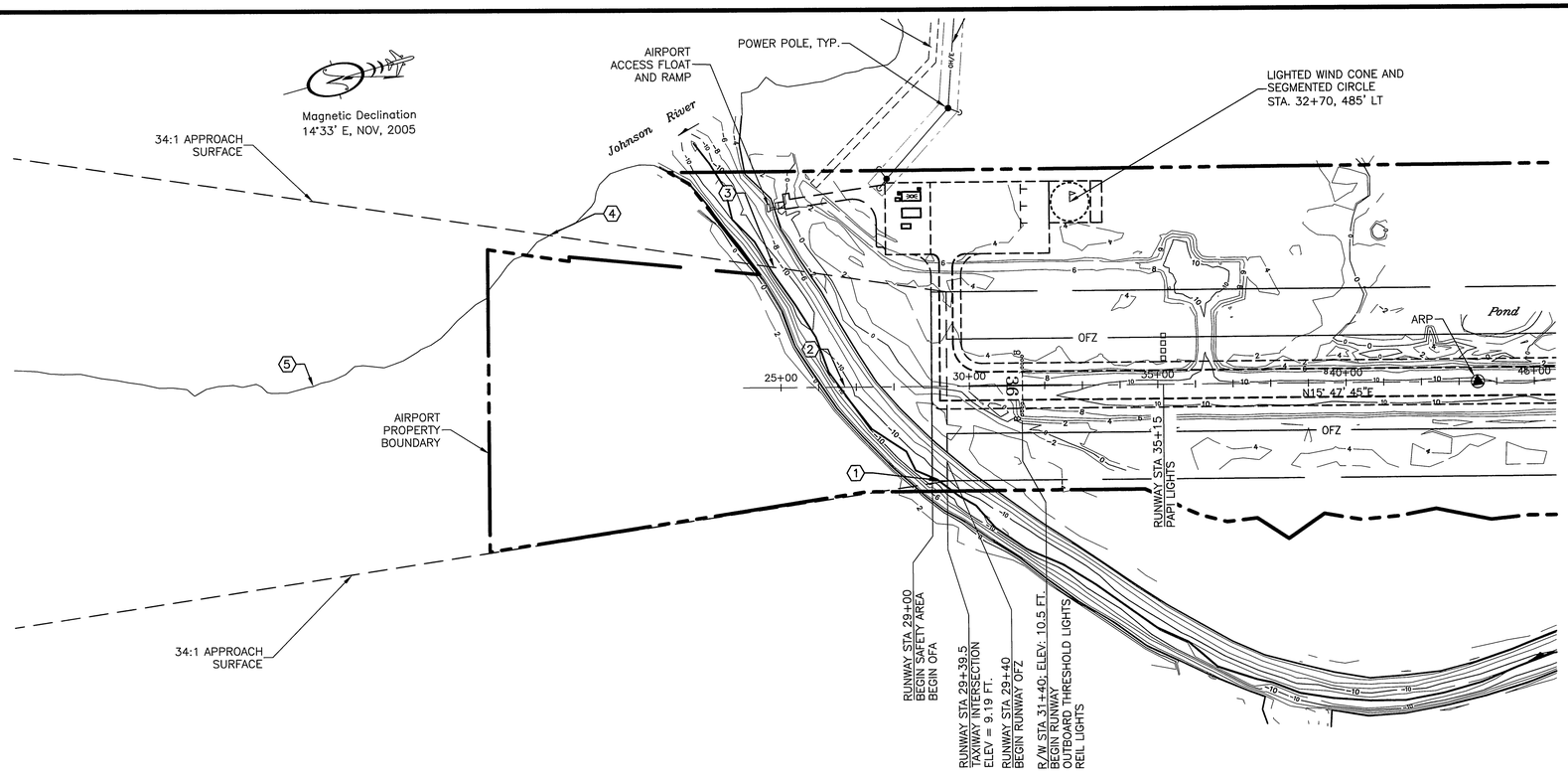
3. THERE ARE NO PENETRATIONS AT A 50:1 APPROACH SLOPE FOR EITHER RUNWAY END.

4. THE OBJECTS LISTED IN THE TABLE ARE ALL UNDER THE 34:1 APPROACH SURFACE.

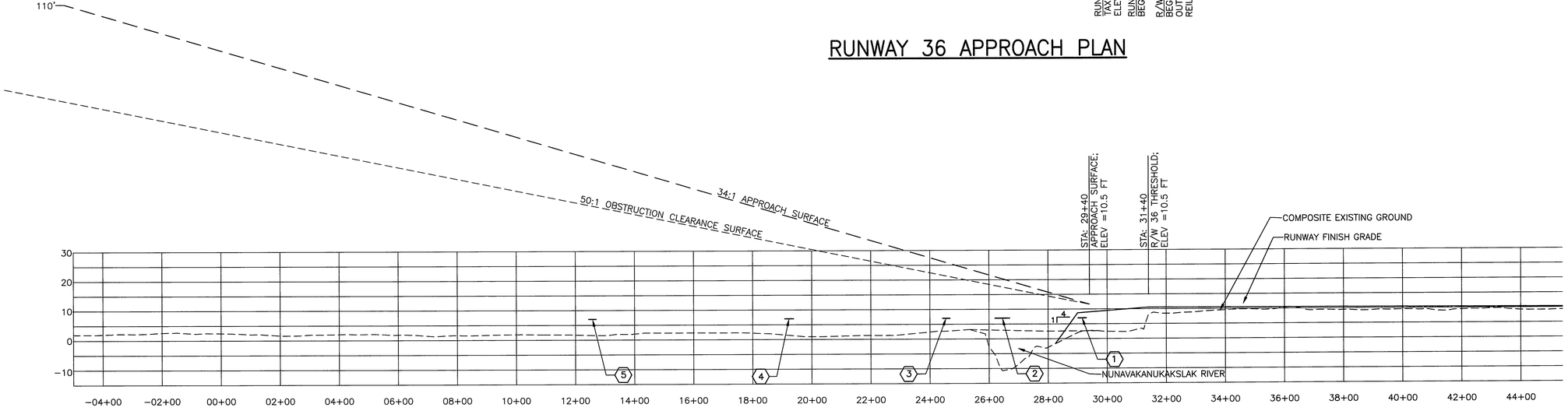
5. ALL OBSTRUCTION POINTS IN THE TABLE INCLUDE A 10–FOOT HEIGHT CORRECTION ABOVE THE ACTUAL LAND OR WATER SURFACE ELEVATION TO ACCOUNT FOR THE HIGHEST MOBILE OBJECT THAT NORMALLY TRAVERSES THE SURFACE, IN ACCORDANCE WITH FAR 77.23.

6. EXISTING GROUND LINE SHOWN IN THE PROFILE IS A COMPOSITE OF THE HIGHEST ELEVATION ACROSS THE APPROACH PATH.

7. THERE ARE NO OBJECT PENETRATIONS IN THE RUNWAY THRESHOLD SITING SURFACE OF RUNWAY 36, AS DEFINED IN FAA AC 150/5300–13, CHG 10, APPENDIX 2, TABLE A2–1, LINE 5.



RUNWAY 36 APPROACH PLAN



RUNWAY 36 APPROACH PROFILE

34:1 APPROACH SURFACE OBSTRUCTION TABLE (INNER PORTION R/W 36)

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION (NAVD 88)	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT OF PENETRATION	DISPOSITION	STAGE TO CORRECT
1	NUNAVAKANUKAKSLAK RIVER + 10 FT	29+15 / 255' RT	7.0'	NONE	13.1'	0'	N/A	
2	NUNAVAKANUKAKSLAK RIVER + 10 FT	26+45 / 0'	7.0'	NONE	20.3'	0'	N/A	
3	NUNAVAKANUKAKSLAK RIVER + 10 FT	24+55 / 321' LT	7.0'	NONE	36.0'	0'	N/A	
4	JOHNSON RIVER + 10 FT	19+23 / 408' LT	7.0'	NONE	64.1'	0'	N/A	
5	JOHNSON RIVER + 10 FT	12+57 / 0'	7.0'	NONE	61.1'	0'	N/A	

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

GRAPHIC SCALE
200 0 100 200 400
(IN FEET)
H: V 10:1

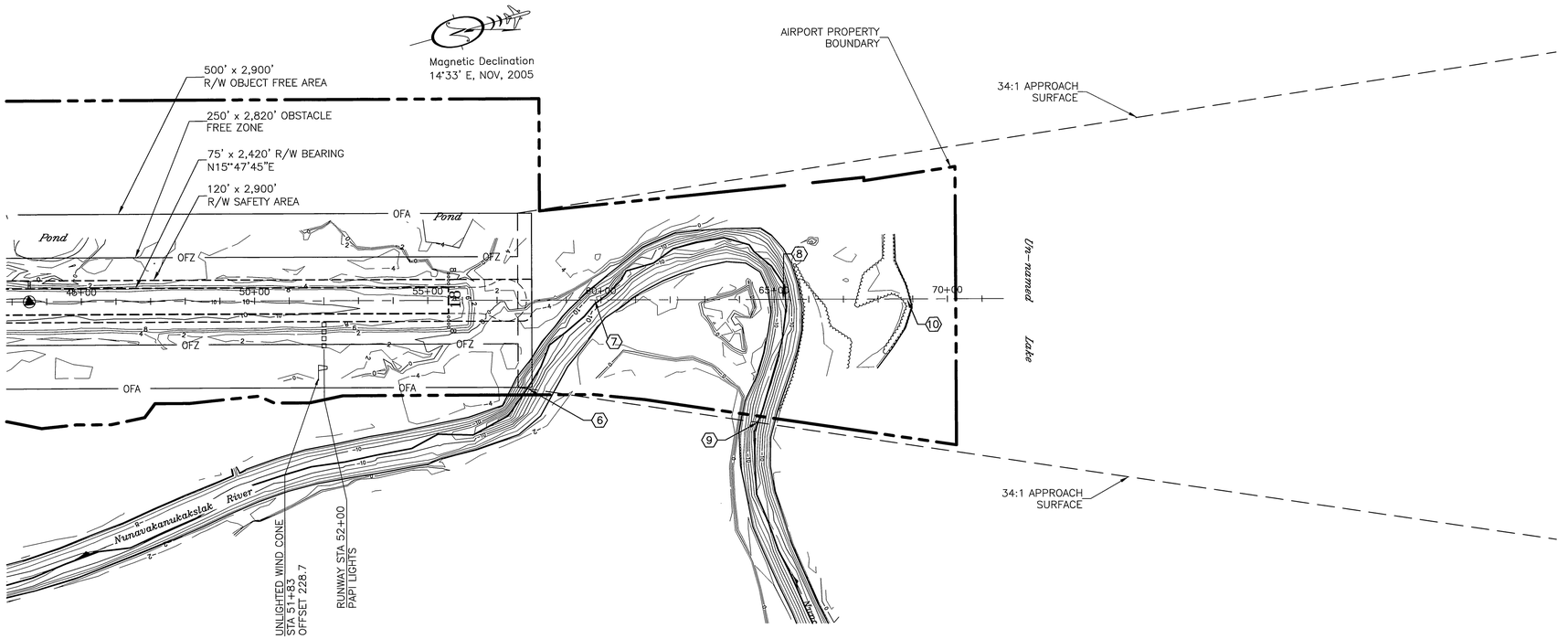
BY	DATE	REVISION
	08/2014	UPDATE PER AKSAS 54850

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

NUNAPITCHUK AIRPORT
NUNAPITCHUK, ALASKA
AIRPORT LAYOUT PLAN
RUNWAY 36
INNER PORTION OF THE APPROACH SURFACE

DATE: July, 2007
SHEET: 3 OF 6

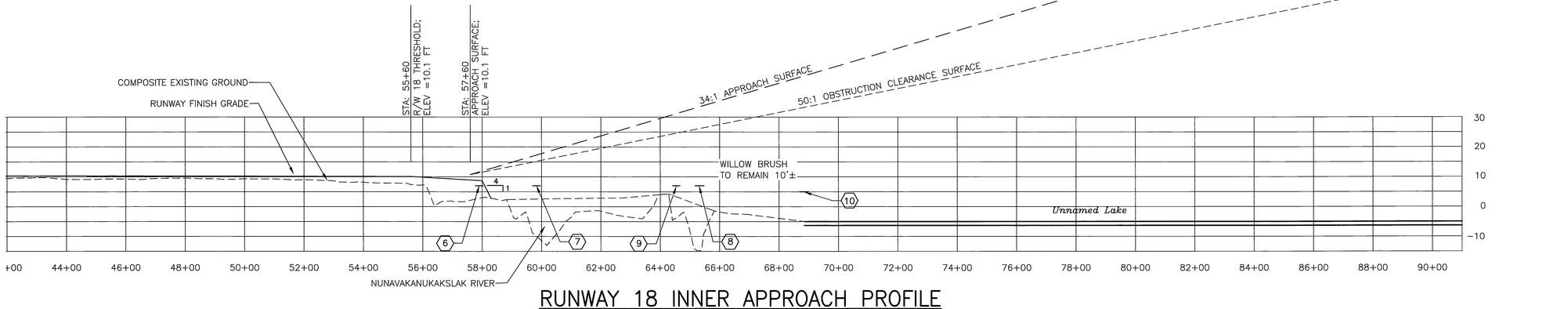
Designed By: STR
Drawn By: KML
Checked By: JF
Date Plotted: July 10, 2007
Layout Name: Layout 4
File Name: 4286_Sheets 3, 4 & 5



RUNWAY 18 INNER APPROACH PLAN

NOTES:

1. ALL ELEVATIONS OUTSIDE RUNWAY STATION 25+88 TO RUNWAY STATION 68+88 WERE TAKEN FROM USGS QUADRANGLE MAPS BAIRD INLET D–1 AND BAIRD INLET D–2 (1954).
2. RUNWAY 18 TOUCHDOWN ZONE ELEVATION IS 10.5 FT.
3. THERE ARE NO PENETRATIONS AT A 50:1 APPROACH SLOPE FOR EITHER RUNWAY END.
4. THE OBJECTS LISTED IN THE TABLE ARE ALL UNDER THE 34:1 APPROACH SURFACE.
5. ALL OBSTRUCTION POINTS IN THE TABLE INCLUDE A 10–FOOT HEIGHT CORRECTION ABOVE THE ACTUAL LAND OR WATER SURFACE ELEVATION TO ACCOUNT FOR THE HIGHEST MOBILE OBJECT THAT NORMALLY TRAVERSES THE SURFACE, IN ACCORDANCE WITH FAR 77.23.
6. EXISTING GROUND LINE IN THE PROFILE IS A COMPOSITE OF THE HIGHEST ELEVATION ACROSS THE APPROACH PATH.
7. THERE ARE NO OBJECT PENETRATIONS IN THE RUNWAY THRESHOLD SITING SURFACE OF RUNWAY 18, AS DEFINED IN FAA AC 150/5300–13, CHG 10, APPENDIX 2, TABLE A2–1, LINE 5.



RUNWAY 18 INNER APPROACH PROFILE

GRAPHIC SCALE
200 0 100 200 400
(IN FEET)
H: V 10:1

34:1 APPROACH SURFACE OBSTRUCTION TABLE (INNER PORTION R/W 18)

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION (NAVD 88)	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT OF PENETRATION	DISPOSITION	STAGE TO CORRECT
6	NUNAVAKANUKAKSLAK RIVER + 10 FT	57+89.8 / 254' RT	7.0'	NONE	12.1'	0'	N/A	
7	NUNAVAKANUKAKSLAK RIVER + 10 FT	59+83 / 0'	7.0'	NONE	17.3'	0'	N/A	
8	NUNAVAKANUKAKSLAK RIVER + 10 FT	65+31.9 / 0'	7.0'	NONE	33.4'	0'	N/A	
9	NUNAVAKANUKAKSLAK RIVER + 10 FT	64+54.1 / 352' RT	7.0'	NONE	45.7'	0'	N/A	
10	UNNAMED LAKE + 10 FT	68+85.4 / 0'	5.0'	NONE	43.8'	0'	N/A	

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

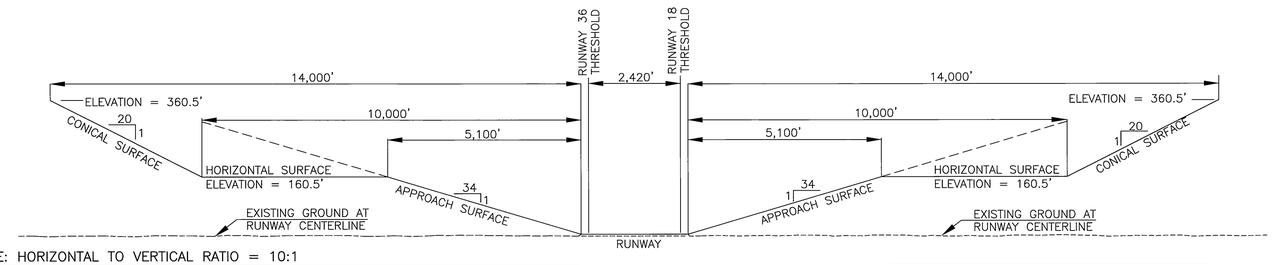
BY	DATE	REVISION
	08/2014	UPDATE PER AKSAS 54850

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

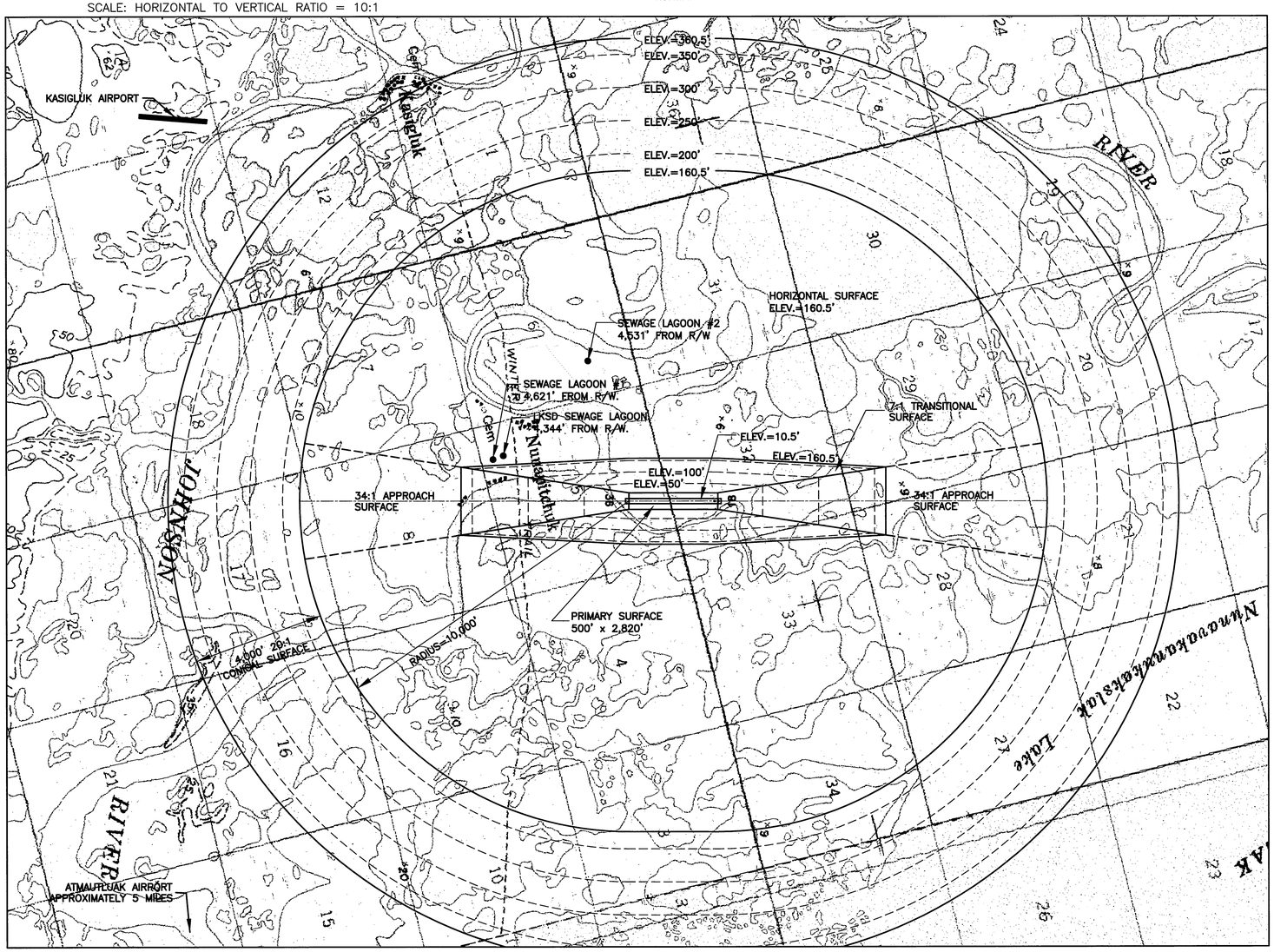
NUNAPITCHUK AIRPORT
NUNAPITCHUK, ALASKA
AIRPORT LAYOUT PLAN
RUNWAY 18
INNER PORTION OF THE
APPROACH SURFACE

DATE: July, 2007
SHEET: 4 OF 6

Designed By: STR
Drawn By: KML
Checked By: JF
Date Plotted: July 10, 2007
Layout Name: Layout 5
File Name: 4286_Sheets 3, 4 & 5



SCALE: HORIZONTAL TO VERTICAL RATIO = 10:1



34:1 APPROACH SURFACE OBSTRUCTION TABLE (OUTER PORTION RW 18/36)								
ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION (NAVD 88)	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSTION	STAGE TO CORRECT
	NONE							

MAGNETIC DECLINATION IS 14°33' E, NOV. 2005
MAGNETIC DECLINATION FOR EPOCH YEAR 2010 IS 13°44' E

NOTES:

1. VERTICAL DATUM FOR USGS QUAD = NAVD 29; VERTICAL DATUM FOR PART 77 SURFACES = NAVD88.
2. ESTABLISHED RUNWAY ELEVATION = 10.5 FT.
3. RUNWAY 18 THRESHOLD ELEVATION = 10.1 FT.
4. RUNWAY 36 THRESHOLD ELEVATION = 10.5 FT.
5. SEE SHEETS 4 AND 5 FOR INNER PORTION OF APPROACH SURFACES.
6. THE PRIMARY SURFACE WIDTH IS 500 FT.
7. THERE ARE NO LOCAL ORDINANCES FOR HEIGHT RESTRICTIONS IN THE VICINITY OF THE AIRPORT.
8. NO LANDFILLS WITHIN 10,000 FEET.

GRAPHIC SCALE
2000 0 2000 4000
(IN FEET)

Date Plotted:	July 10, 2007
Layout Name:	Layout 1
File Name:	4286_Sheet-6
Designed By:	STR
Drawn By:	KML
Checked By:	JF

BY	DATE	REVISION
	08/2014	UPDATE PER AKSAS 54850

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

NUNAPITCHUK AIRPORT
NUNAPITCHUK, ALASKA
AIRPORT LAYOUT PLAN

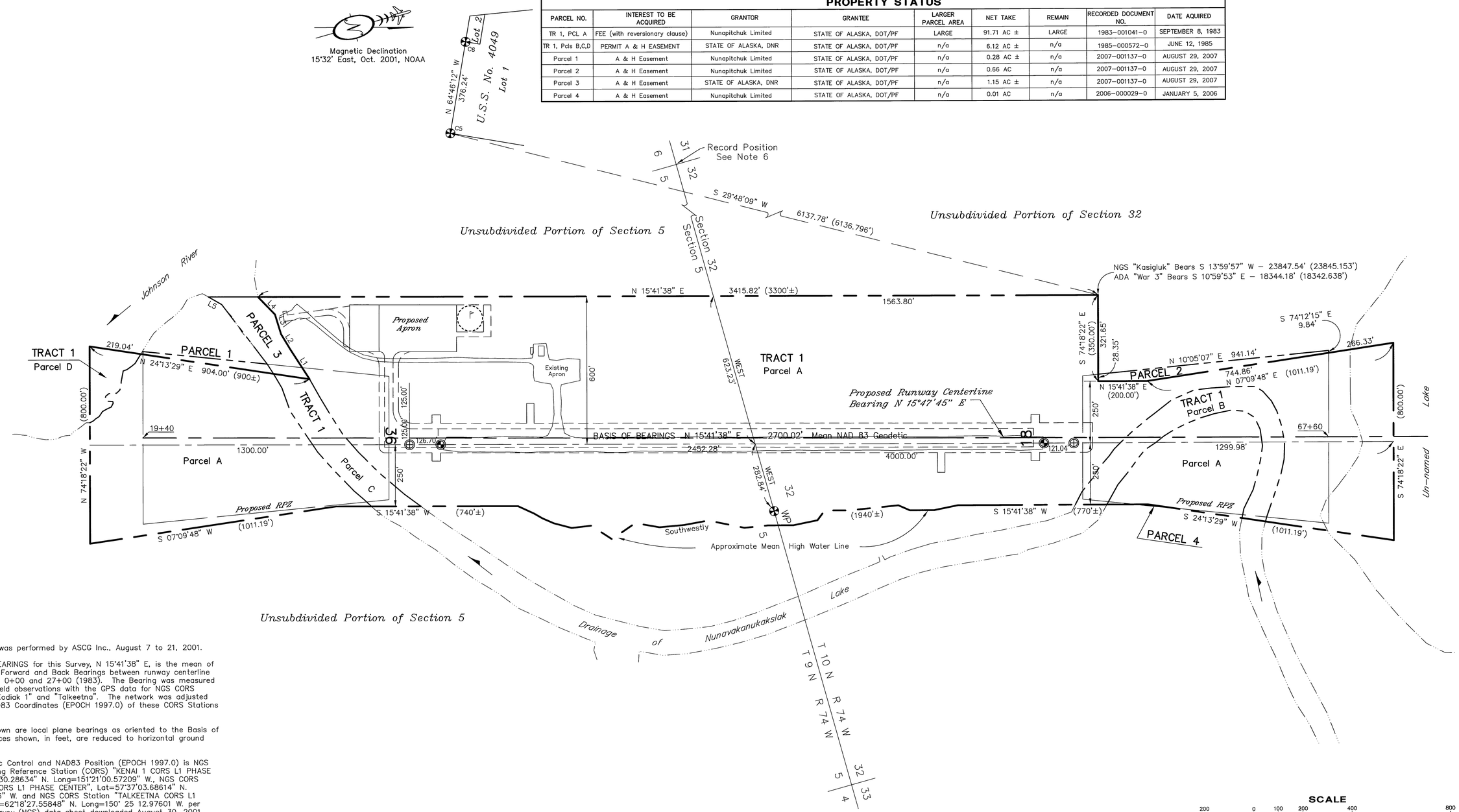
AIRPORT AIRSPACE
14 CFR, PART 77

DATE: July, 2007
SHEET: 5 OF 6

PROPERTY STATUS

PARCEL NO.	INTEREST TO BE ACQUIRED	GRANTOR	GRANTEE	LARGER PARCEL AREA	NET TAKE	REMAIN	RECORDED DOCUMENT NO.	DATE AQUIRED
TR 1, PCL A	FEE (with reversionary clause)	Nunapitchuk Limited	STATE OF ALASKA, DOT/PF	LARGE	91.71 AC ±	LARGE	1983–001041–0	SEPTEMBER 8, 1983
TR 1, Pcls B,C,D	PERMIT A & H EASEMENT	STATE OF ALASKA, DNR	STATE OF ALASKA, DOT/PF	n/a	6.12 AC ±	n/a	1985–000572–0	JUNE 12, 1985
Parcel 1	A & H Easement	Nunapitchuk Limited	STATE OF ALASKA, DOT/PF	n/a	0.28 AC ±	n/a	2007–001137–0	AUGUST 29, 2007
Parcel 2	A & H Easement	Nunapitchuk Limited	STATE OF ALASKA, DOT/PF	n/a	0.66 AC	n/a	2007–001137–0	AUGUST 29, 2007
Parcel 3	A & H Easement	STATE OF ALASKA, DNR	STATE OF ALASKA, DOT/PF	n/a	1.15 AC ±	n/a	2007–001137–0	AUGUST 29, 2007
Parcel 4	A & H Easement	Nunapitchuk Limited	STATE OF ALASKA, DOT/PF	n/a	0.01 AC	n/a	2006–000029–0	JANUARY 5, 2006

Magnetic Declination
15°32' East, Oct. 2001, NOAA



NOTES

1. The field survey was performed by ASCG Inc., August 7 to 21, 2001.

2. The BASIS OF BEARINGS for this Survey, N 15°41'38" E, is the mean of the NAD83 Geodetic Forward and Back Bearings between runway centerline monuments found at 0+00 and 27+00 (1983). The Bearing was measured by processing GPS field observations with the GPS data for NGS CORS Stations "Kenai 1", Kodiak 1" and "Talkeetna". The network was adjusted holding the NGS NAD83 Coordinates (EPOCH 1997.0) of these CORS Stations fixed.

3. The bearings shown are local plane bearings as oriented to the Basis of Bearings, and distances shown, in feet, are reduced to horizontal ground distances.

4. Basis of Geodetic Control and NAD83 Position (EPOCH 1997.0) is NGS Continuously Operating Reference Station (CORS) "KENAI 1 CORS L1 PHASE CENTER", Lat=60°40'30.28634" N. Long=151°21'00.57209" W., NGS CORS Station "KODIAK 1 CORS L1 PHASE CENTER", Lat=57°37'03.68614" N. Long=152°11'36.26146" W. and NGS CORS Station "TALKEETNA CORS L1 PHASE CENTER", Lat=62°18'27.55848" N. Long=150° 25 12.97601 W. per National Geodetic Survey (NGS) data sheet downloaded August 30, 2001.

5. The minimum closure of all traverses meets or exceeds 1:10,000.

6. All rectangular lines shown are based on record information from BLM Cadastral Plats for Township 9 North, Range 74 West S.M. and Township 10 North, Range 74 West S.M. from the position of the monument found at the WP between Sec. 5, T9N, R74W and Sec. 32, T10N, R74W.

7. The natural meanders of the mean high water line of the Johnson and Nunavakanukakslak Rivers forms the property boundary as applicable. The meander lines shown are for computational purposes only.

8. The record dimensions shown for the boundary of Tract 1 are from the State of Alaska DOT&PF Nunapitchuk Airport Property Plan dated 6/25/85, the Deed recorded in Book 35, Page 923, Bethel Recording District and the Permit, Avigation and Hazard Easement and Right of Way recorded in Book 41, Page 262, Bethel Recording District.

9. This property plan supersedes Nunapitchuk Airport Property Plan dated 6/25/85.

LEGEND

- ⊕ Found Centerline Monument, 2" Alcap on 5/8" Rebar
- ⊕ Set Centerline Monument, 2" Alcap on 5/8" Rebar
- ⊕ Recovered BLM Monument
- O Set 2" Alcap on 5/8" Rebar
- (1011.19') Record Dimension, See Note 8
- Airport Property Boundary
- Parcel Boundary

SCALE
200 0 100 200 400 800
(IN FEET)
1 INCH = 200 FEET

Date Plotted:	July 10, 2007
Layout Name:	
File Name:	4286_Sheet-7

Designed By:	JSR
Drawn By:	JSR
Checked By:	WDC

BY	DATE	REVISION
	08/2014	UPDATE PER AKSAS 54850

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

NUNAPITCHUK AIRPORT
NUNAPITCHUK, ALASKA
AIRPORT LAYOUT PLAN

PROPERTY MAP

DATE: July, 2007
SHEET: 6 OF 6