STATE OF ALASKA

SEAN PARNELL, GOVERNOR

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

CENTRAL REGION – DESIGN AND ENGINEERING SERVICES DIVISION
AVIATION DESIGN SECTION

4111 AVIATION AVENUE
P.O. BOX 196900
ANCHORAGE, AK 99519-6900
(907) 269-0895 (FAX 907-269-0620)

May 25, 2010

RE: King Salmon Airport
Airport Layout Plan As-built Update

Pat Oien, P.E.
Planning and Programming Branch
Airports Division, Alaska Region
Federal Aviation Administration
222 W. 7th Avenue, Box 14
Anchorage, Alaska 99513-7587

Dear Ms Oien:

Enclosed for FAA approval, is a mylar set of the current ALP drawings. The ALP was recently updated with as-built information from an airport improvement project completed in 2008 as well as the Apron and Taxiway Resurfacing project, completed in 2009. A half-size paper set is also enclosed for your convenience.

Please initial the revision block on the two mylar cover sheets, where indicated, and return one of the mylar cover sheets for our file copy. Also, please label the old ALP as "superseded".

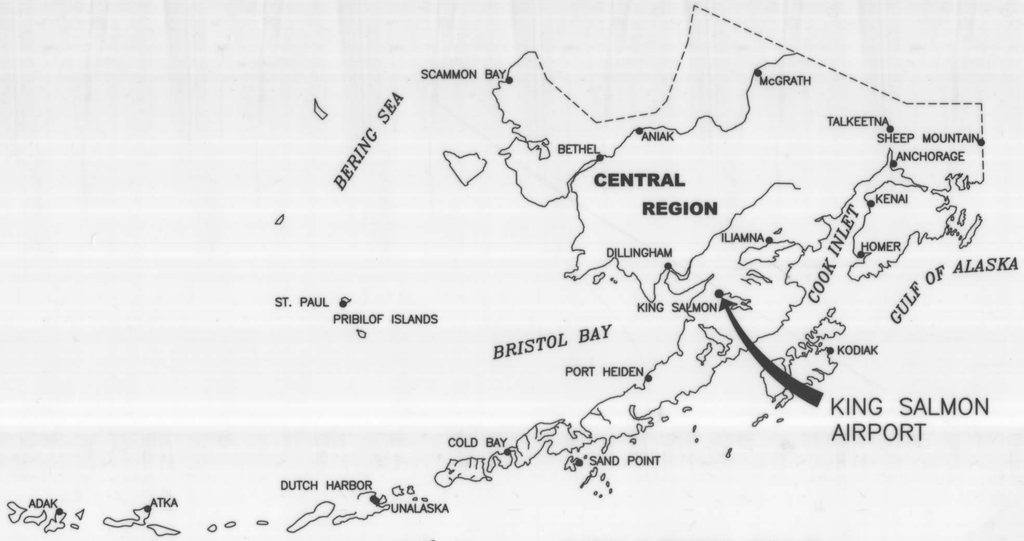
If you have any questions, feel free to contact me at 269-0619, or Morgan P. Merritt, P.E, Project Manager at 269-0614.

Yours truly,

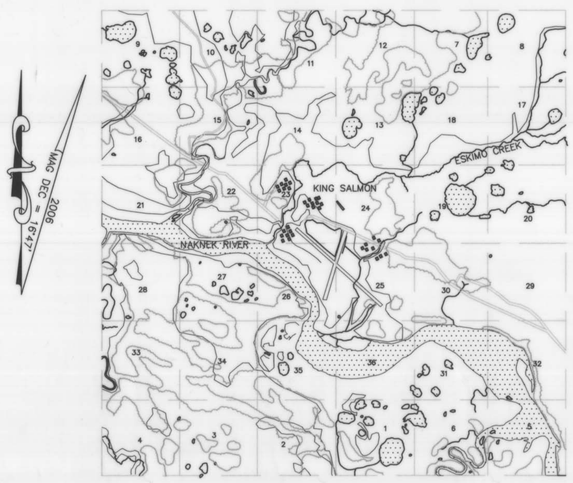
H. M. Butch Douthit, P.E.
Aviation Design Chief

Enclosures: As stated

cc: Lynn Cason, P.E., ALP Coordinator



LOCATION MAP



VICINITY MAP

1:63,360
T 3 S, R 86 W, SEC. 10
SEWARD MERIDIAN
U.S.G.S. NAKNEK (C-2), ALASKA

LEGEND

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

AIRPORT DATA TABLE

ITEM	EXISTING	ULTIMATE
ICAO IDENTIFIER	PAKN	PAKN
NATIONAL AIRPORT IDENTIFIER	AKN	AKN
FAA SITE NUMBER	50416.*A	50416.*A
AIRPORT ELEVATION (MSL NAVD88)	72.8'	72.8'
AIRPORT REFERENCE CODE	C-III	C-III
MEAN MAX. TEMPERATURE, HOTTEST MONTH	63 F° JULY	63 F° JULY
AIRPORT AND TERMINAL NAVIGATION AIDS	GPS, VOR, DME	GPS, VOR, DME
	ROTATING BEACON	ROTATING BEACON
TAXIWAY LIGHTING/MARKING	M. I.	M. I.
OBSTRUCTION SURVEY SOURCE & TYPE	NONE	NONE
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE	16° 47' E, 2006	0° 12' W/YEAR

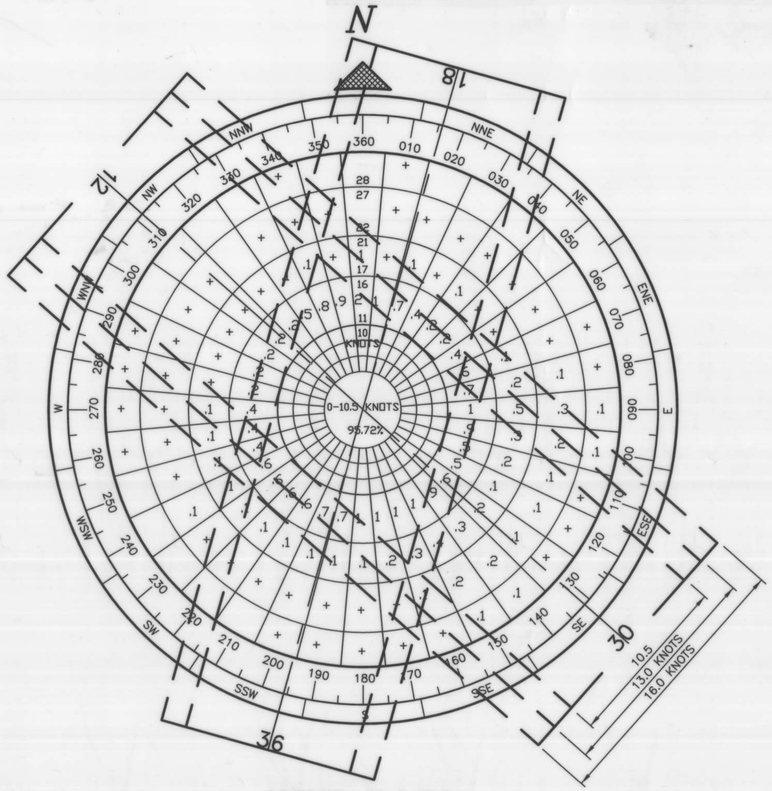
GEOGRAPHIC COORDINATES TABLE

ITEM	EXISTING LATITUDE	EXISTING LONGITUDE	ULTIMATE LATITUDE	ULTIMATE LONGITUDE
ARP	58°40'35.38"N	156°38'55.28"W	58°40'35.38"N	156°38'55.28"W
THRESHOLD RW 12	58°41'02.18"N	156°39'53.02"W	58°41'02.18"N	156°39'53.02"W
THRESHOLD RW 30	58°40'03.68"N	156°37'47.63"W	58°40'03.68"N	156°37'47.63"W
THRESHOLD RW 18	58°40'59.78"N	156°38'55.62"W	58°40'59.78"N	156°38'55.62"W
THRESHOLD RW 36	58°40'21.80"N	156°39'16.96"W	58°40'21.80"N	156°39'16.96"W

NOTES: 1. NO OBSTRUCTION SURVEY WAS PERFORMED FOR THIS ALP.

TAXIWAY DATA TABLE

ITEM	WIDTH	LENGTH	TAXIWAY SAFETY AREA (TSA)	TAXIWAY OJECT FREE AREA (TOFA)
TAXIWAY A	82.5'	406'	130'	186'
TAXIWAY B	90'	406'	135'	186'
TAXIWAY C	90'	1650'	140'	186'
TAXIWAY D	90'	385'	140'	186'
TAXIWAY E	75'	650'	125'	186'
TAXIWAY G	35'	510'	79'	131'
TAXIWAY K	75'	1060'	75'	186'



WIND DATA

WIND COVERAGE:

SPEED	R/W 12/30	R/W 18/36	TOTAL
10.5 KNOTS	87.47%	86.72%	95.72%
13 KNOTS	93.79%	91.86%	98.28%
16 KNOTS	98.19%	N/A	98.19%

SOURCE: U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, NATIONAL CLIMATIC DATA CENTER JUNE 24, 1996

PERIOD: 12/1991-6/1996

RUNWAY 12/30 DATA TABLE

ITEM		EXISTING	ULTIMATE
RUNWAY TYPE		> UTILITY	> UTILITY
FAR PART 77 APPROACH CATEGORY (V, NPI, P)		P / NPI	P / NPI
APPROACH SURFACES		50:1/ 34:1	50:1/ 34:1
VISIBILITY MINIMUM		1/2 SM / 1 SM	1/2 SM / 1 SM
RUNWAY SURFACE		ASPHALT	ASPHALT
PAVEMENT STRENGTH SW,DW,DTW,DDTW 1000lbs		67, 90, 175, 335	67, 90, 175, 335
AIRCRAFT APPROACH CATEGORY		C	C
AIRPLANE DESIGN GROUP		III	III
RUNWAY DIMENSIONS		150' x 8901'	150' x 8901'
TRUE BEARING		N48° 08' 31"W	N48° 08' 31"W
EFFECTIVE GRADE		0.16%	0.16%
TOUCHDOWN ELEVATION (MSL NAVD88)		59.4 / 72.8	59.4 / 72.8
RUNWAY SAFETY AREA (RSA)		500' x 10101'	500' x 10101'
RSA LENGTH BEYOND R/W END		600' / 600'	600' / 600'
APPROACH RUNWAY PROTECTION ZONE (RPZ)-RW 12		1000' X 1750' X 2500'	1000' X 1750' X 2500'
APPROACH RUNWAY PROTECTION ZONE (RPZ)-RW 30		1000' X 1510' X 1700'	1000' X 1510' X 1700'
DEPARTURE RUNWAY PROTECTION ZONE (RPZ)-RW 12		500' X 1010' X 1700'	500' X 1010' X 1700'
DEPARTURE RUNWAY PROTECTION ZONE (RPZ)-RW 30		500' X 1010' X 1700'	500' X 1010' X 1700'
RUNWAY OBJECT FREE AREA (OFA)		800' x 10101'	800' x 10101'
RUNWAY OBSTACLE FREE ZONE (OFZ)		400' x 9301'	400' x 9301'
PRECISION OBSTACLE FREE ZONE (POFZ)		800' x 200'	800' x 200'
INNER-APPROACH OBSTACLE FREE ZONE		400' x 2400'	400' x 2400'
RUNWAY LIGHTING		HIRL	HIRL
RUNWAY MARKING TYPE		PRECISION	PRECISION
RUNWAY APPROACH AIDS - RW 12		ILS, PAPI, REIL, ALSF2, LOC	ILS, PAPI, REIL, MALSR, LOC
RUNWAY APPROACH AIDS - RW 30		PAPI, REIL, LOC/DME	PAPI, REIL, LOC/DME

RUNWAY 18/36 DATA TABLE

ITEM		EXISTING	ULTIMATE
RUNWAY TYPE		> UTILITY	> UTILITY
FAR PART 77 APPROACH CATEGORY (V, NPI, P)		V / V	NPI / NPI
APPROACH SURFACES		20:1/ 20:1	34:1/ 34:1
VISIBILITY MINIMUM		3 SM / 3 SM	1 SM / 1 SM
RUNWAY SURFACE		ASPHALT	ASPHALT
PAVEMENT STRENGTH SW,DW 1000lbs		30, 50	30, 50
AIRCRAFT APPROACH CATEGORY		B	B
AIRPLANE DESIGN GROUP		II	II
RUNWAY DIMENSIONS		100' x 4017'	100' x 4017'
TRUE BEARING		S16° 19' 10"W	S16° 19' 10"W
EFFECTIVE GRADE		0.14%	0.14%
TOUCHDOWN ELEVATION (MSL NAVD88) *		64 / 63	64 / 63
RUNWAY SAFETY AREA (RSA)		300' x 5017'	300' x 5017'
RSA LENGTH BEYOND R/W END		500' / 500'	500' / 500'
APPROACH RUNWAY PROTECTION ZONES (RPZ)		500' X 700' X 1000'	500' X 700' X 1000'
RUNWAY OBJECT FREE AREA (OFA)		500' x 5017'	500' x 5017'
RUNWAY OBSTACLE FREE ZONE (OFZ)		400' x 4417'	400' x 4417'
RUNWAY LIGHTING		MIRL	MIRL
RUNWAY MARKING TYPE		NON-PRECISION	NON-PRECISION
RUNWAY APPROACH AIDS - RW 18		NONE	PAPI, REIL
RUNWAY APPROACH AIDS - RW 36		NONE	PAPI, REIL

* ESTIMATED

MODIFICATION TO STANDARDS / NON STANDARD CONDITIONS

ITEM	STANDARD	EXISTING	ULTIMATE
R/W 18-36 SAFETY AREA LENGTH BEYOND RW END	300'	500'	500'
R/W 18-36 SAFETY AREA WIDTH	150'	300'	300'
R/W 18-36 OBJECT FREE AREA LENGTH BEYOND RW END	300'	500'	500'
R/W 18-36 OBJECT FREE AREA WIDTH	500'	800'	800'
R/W 18-36 WIDTH	75'	100'	100'
DISTANCE FROM RUNWAY TO WWTP	10000'	2300'	2300'

BY	DATE	REVISION
	02/25/10	UPDATED SHEETS 1-9 PER PROJECT
		AS BUILTS - STAGE I, II, & APRON RESURFACING
		UPDATE RUNWAY AND TAXIWAY DATA TABLES

APPROVED: DATE: 4.18.07
ROBERT A. CAMPBELL, P.E. PRECONSTRUCTION ENGINEER
RECOMMENDED: DATE: 4/18/2007
HARVEY M. DOUTHIT, P.E. DESIGN SECTION CHIEF

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED 7/27/2007
FAA AIRSPACE REVIEW NUMBER: 6-AAL-147 AAL
DATE: 7/27/07
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL- AAL-617

DRAWING INDEX

SHT #	TITLE
1	AIRPORT DATA SHEET
2	AIRPORT LAYOUT PLAN
3	DECLARED DISTANCES
4	RUNWAY 12/30 INNER PORTION OF THE APPROACH SURFACES
5	RUNWAY 18/36 INNER PORTION OF THE APPROACH SURFACES
6	AIRPORT AIRSPACE
7	TERMINAL AREA
8	AIRPORT PROPERTY MAP

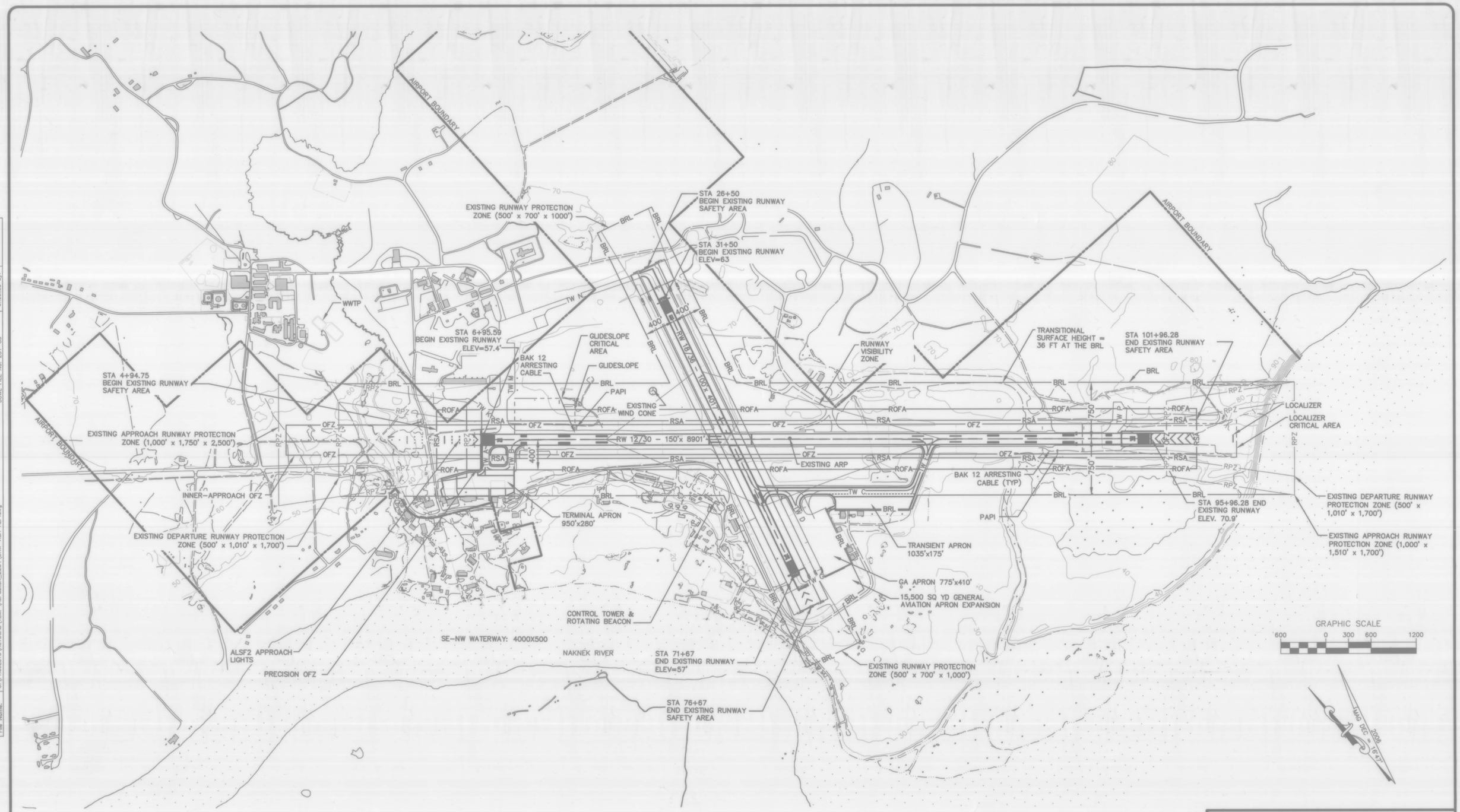
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

KING SALMON AIRPORT
KING SALMON, ALASKA
AIRPORT LAYOUT PLAN

AIRPORT DATA SHEET

DATE:
SHEET: 1 OF

Designed By: jgamache
Drawn By:
Checked By:
DOWL FILE No. 231-89
Date Plotted: 4/05/2007, 12:09 PM
Layout Name: COVER 1
File Name: P:\Projects\D56029\ALP\DRW-KSA-ALP.dwg



NOTES:

1. NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.
2. NO OFZ OBJECT PENETRATIONS.

BY	DATE	REVISION
DOWL	02/25/10	AS BUILT TAXIWAY A REALIGNMENT AND RUNWAY 30 SHIFT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

KING SALMON AIRPORT
KING SALMON, ALASKA
AIRPORT LAYOUT PLAN

EXISTING AIRPORT LAYOUT PLAN

DATE: 04/18/2007
SHEET: 2 OF 9

Designed By:
Drawn By: bogquinn
Checked By:
DOWL FILE No. 231-89
Date Plotted: 5/18/2011, 3:17 PM
Layout Name: 2 - EXI
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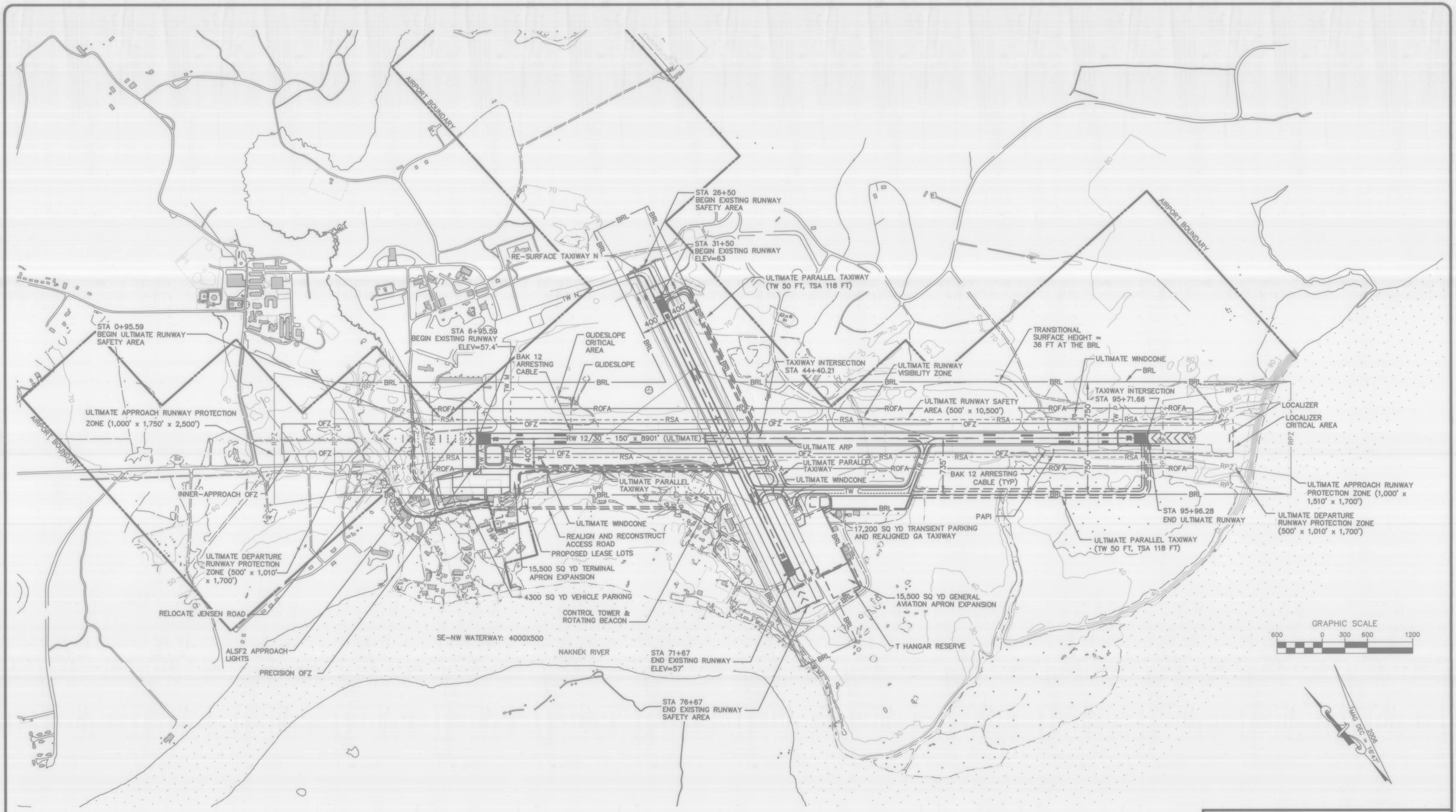


NOTES:

1. NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.
2. NO OFZ OBJECT PENETRATIONS.

BY	DATE	REVISION
DOWL	02/25/10	UPDATED SHEET CALLOUTS

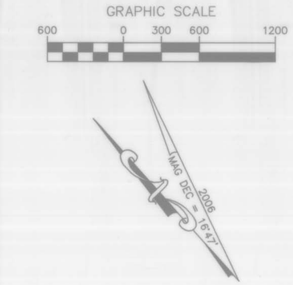
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

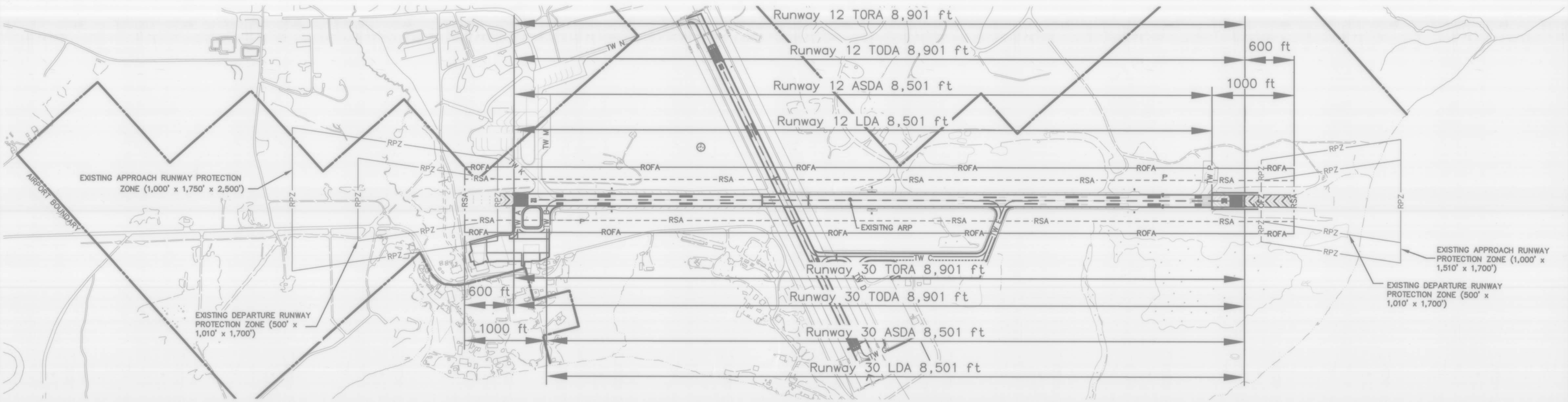
KING SALMON AIRPORT
KING SALMON, ALASKA
AIRPORT LAYOUT PLAN

ULTIMATE AIRPORT LAYOUT PLAN

DATE: 04/18/2007
SHEET: 3 OF 9

Designed By: | Drawn By: boquinn | Checked By:
DOWL FILE No. 231-89
Date Plotted: 5/18/2011, 3:17 PM
Layout Name: 3 ULAY
File Name: C:\PROJECTS\AUTOCAD\TEMP\AcPublish_2284\DRW-KSA-ALP.dwg





EXISTING RUNWAY

DECLARED DISTANCES

ITEM	RUNWAY 12/30 EXISTING	RUNWAY 12/30 FUTURE	RUNWAY 18/36 EXISTING	RUNWAY 18/36 FUTURE
TAKEOFF RUN AVAILABLE	N/A	8,901 / 8,901	N/A	N/A
TAKEOFF DISTANCE AVAILABLE	N/A	8,901 / 8,901	N/A	N/A
ACCELERATE STOP DISTANCE AVAILABLE	N/A	8,501 / 8,501	N/A	N/A
LANDING DISTANCE AVAILABLE	N/A	8,501 / 8,501	N/A	N/A

BY	DATE	REVISION
DOWL	02/25/10	REMOVED ULTIMATE AND UPDATED EXISTING CONFIGURATION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

KING SALMON AIRPORT
KING SALMON, ALASKA
AIRPORT LAYOUT PLAN

DECLARED DISTANCES

DATE: 04/18/2007
SHEET: 4 OF 9

Designed By:
Drawn By: boguinn
Checked By:
DOWL FILE No. 231-89
Date Plotted: 5/18/2011, 3:17 PM
Layout Name: 4 DEC DIST
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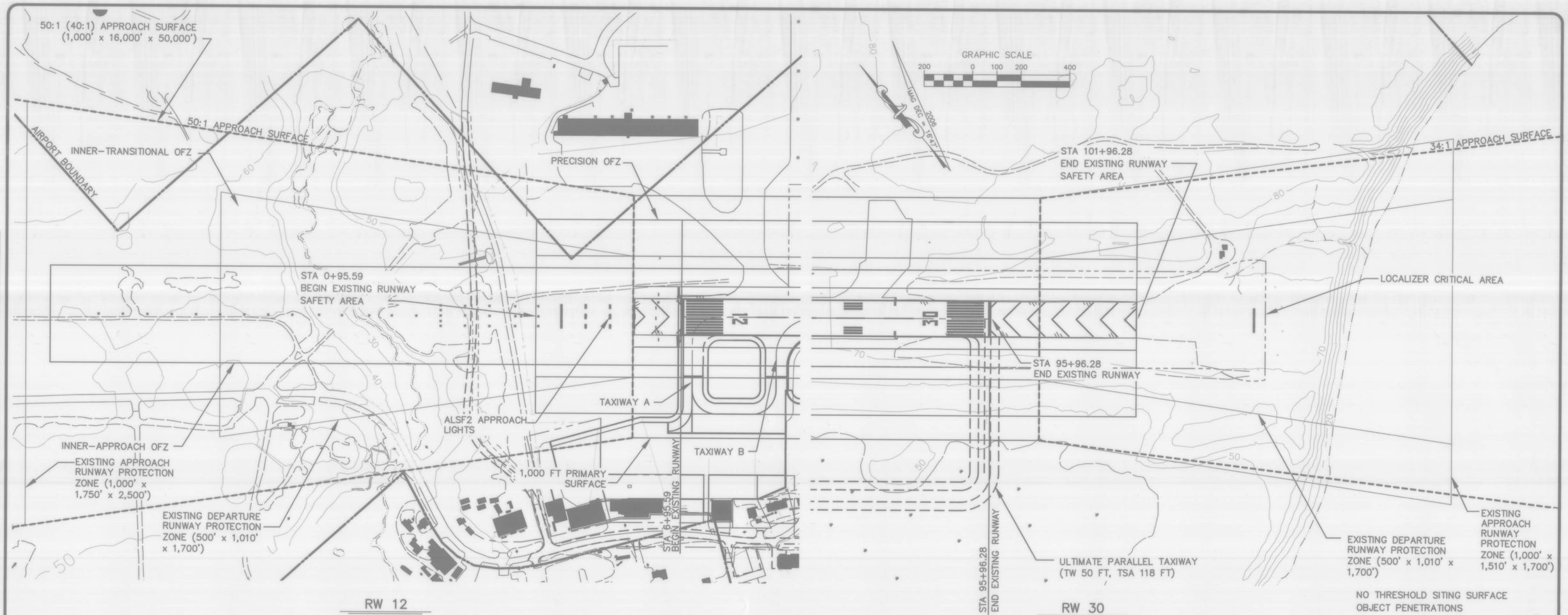
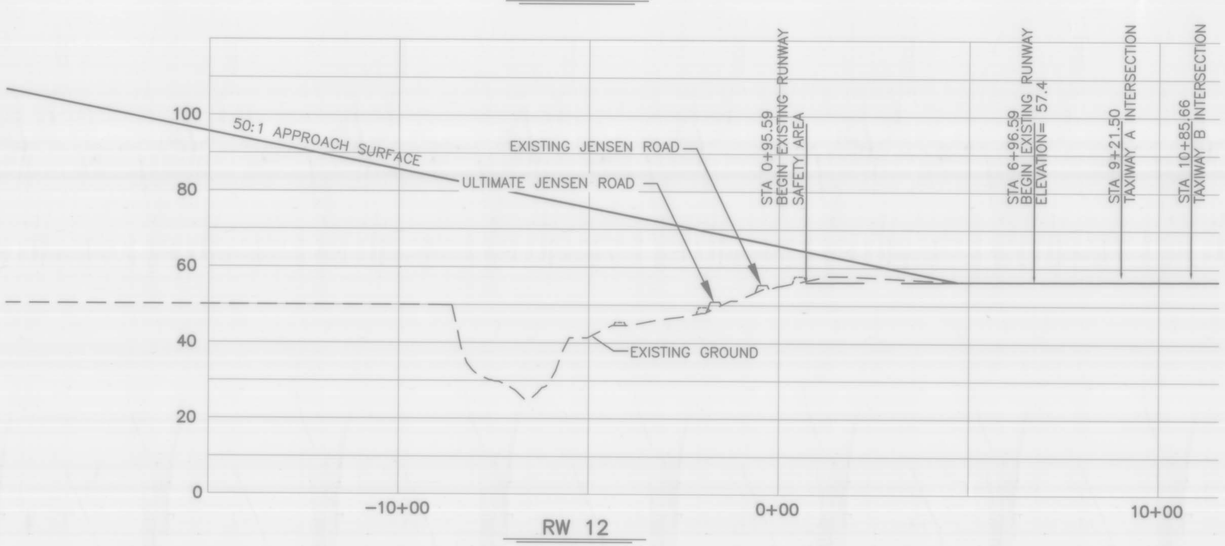
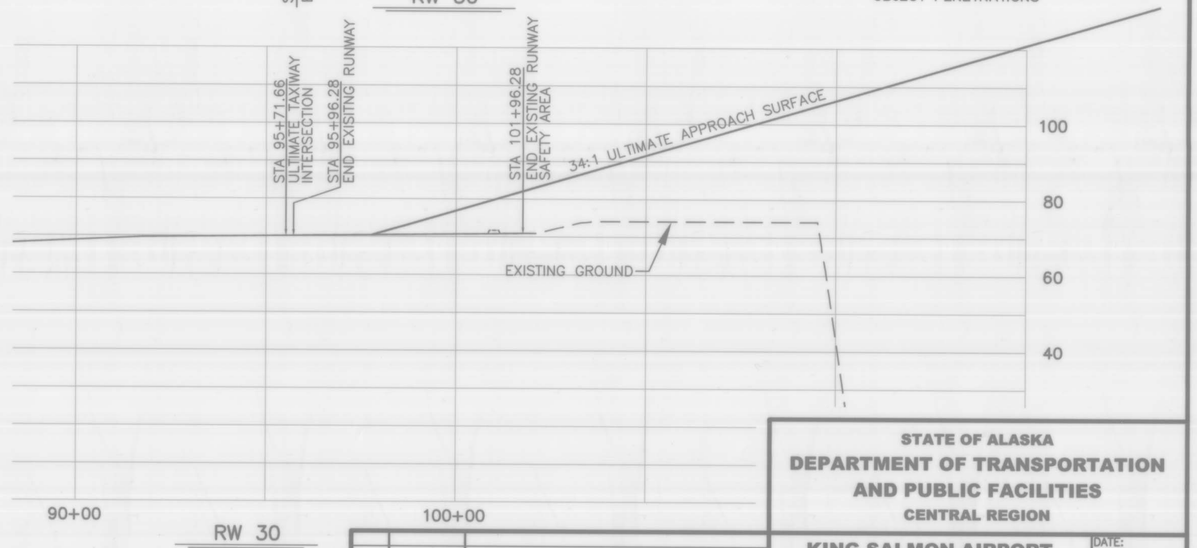






NOTES:

1. NO OBSTRUCTION SURVEY WAS PERFORMED FOR THIS ALP.

BY	DATE	REVISION
DOWL	02/25/10	UPDATED RUNWAY EXISTING CONFIGURATION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

KING SALMON AIRPORT
KING SALMON, ALASKA
AIRPORT LAYOUT PLAN

RUNWAY 12/30 INNER PORTION OF THE APPROACH SURFACES

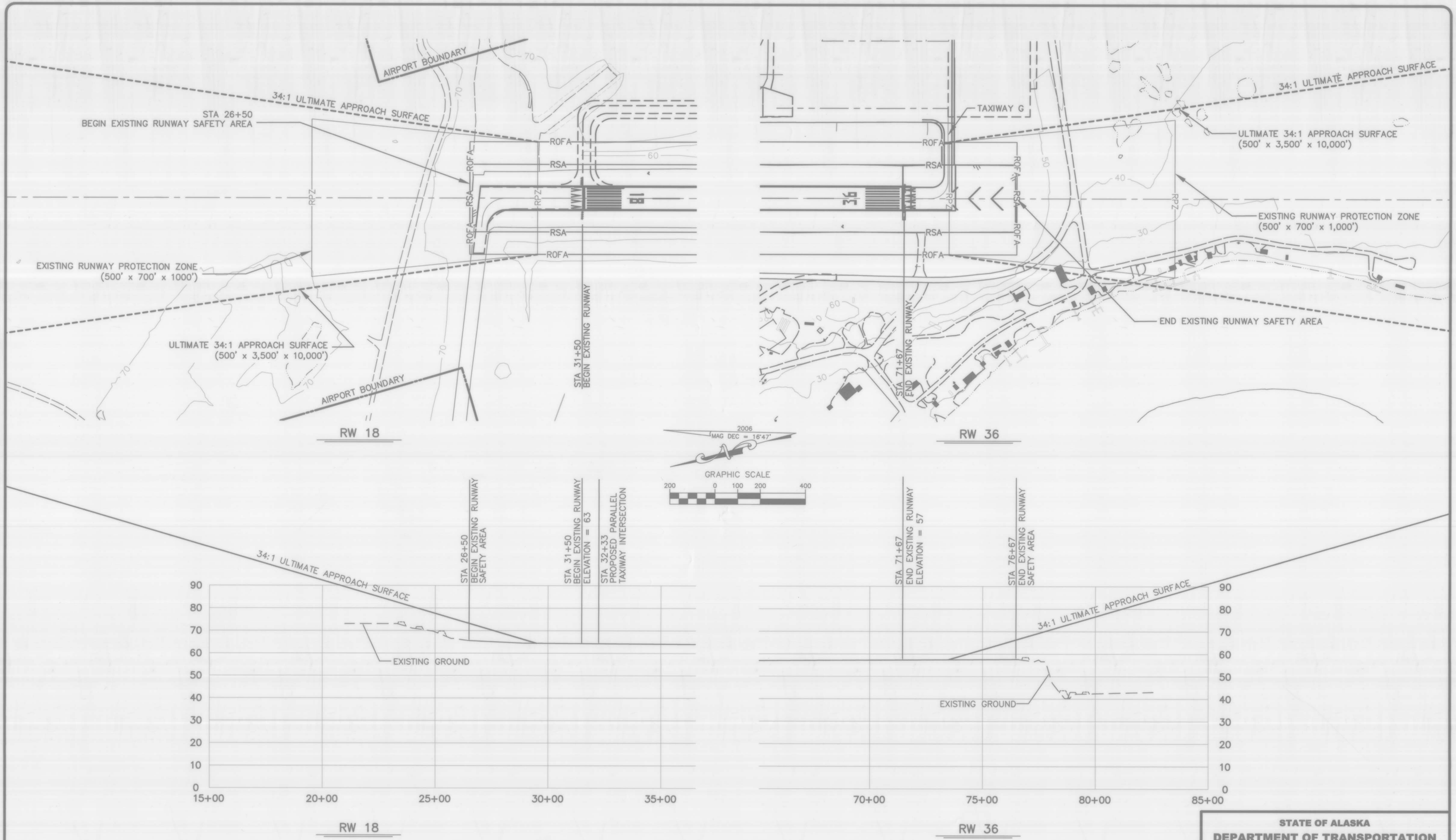
DATE: 04/18/2007

SHEET: 5 OF 9

Date Plotted: 5/18/2011, 3:17 PM
Layout Name: 5_APP SUR
File Name: C:\PROJECTS\AUTOCAD\TEMP\acPublish_2268A\DRW-KSA-ALP.dwg

Designed By:
Drawn By: bqquinn
Checked By:

DOWL/FEIL Bo:Nov:28fr-89



NOTES:

1. NO OBSTRUCTION SURVEY WAS PERFORMED FOR THIS ALP.

BY	DATE	REVISION
DOWL	02/25/10	AS BUILT TAXIWAY G CONFIGURATION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

KING SALMON AIRPORT
KING SALMON, ALASKA
AIRPORT LAYOUT PLAN
RUNWAY 18/36 INNER PORTION OF THE APPROACH SURFACES

DATE: 04/18/2007
SHEET: 6 OF 9

Designed By:
Drawn By: boquinn
Checked By:
DOWL FILE No. 231-89
Date Plotted: 5/18/2011, 3:18 PM
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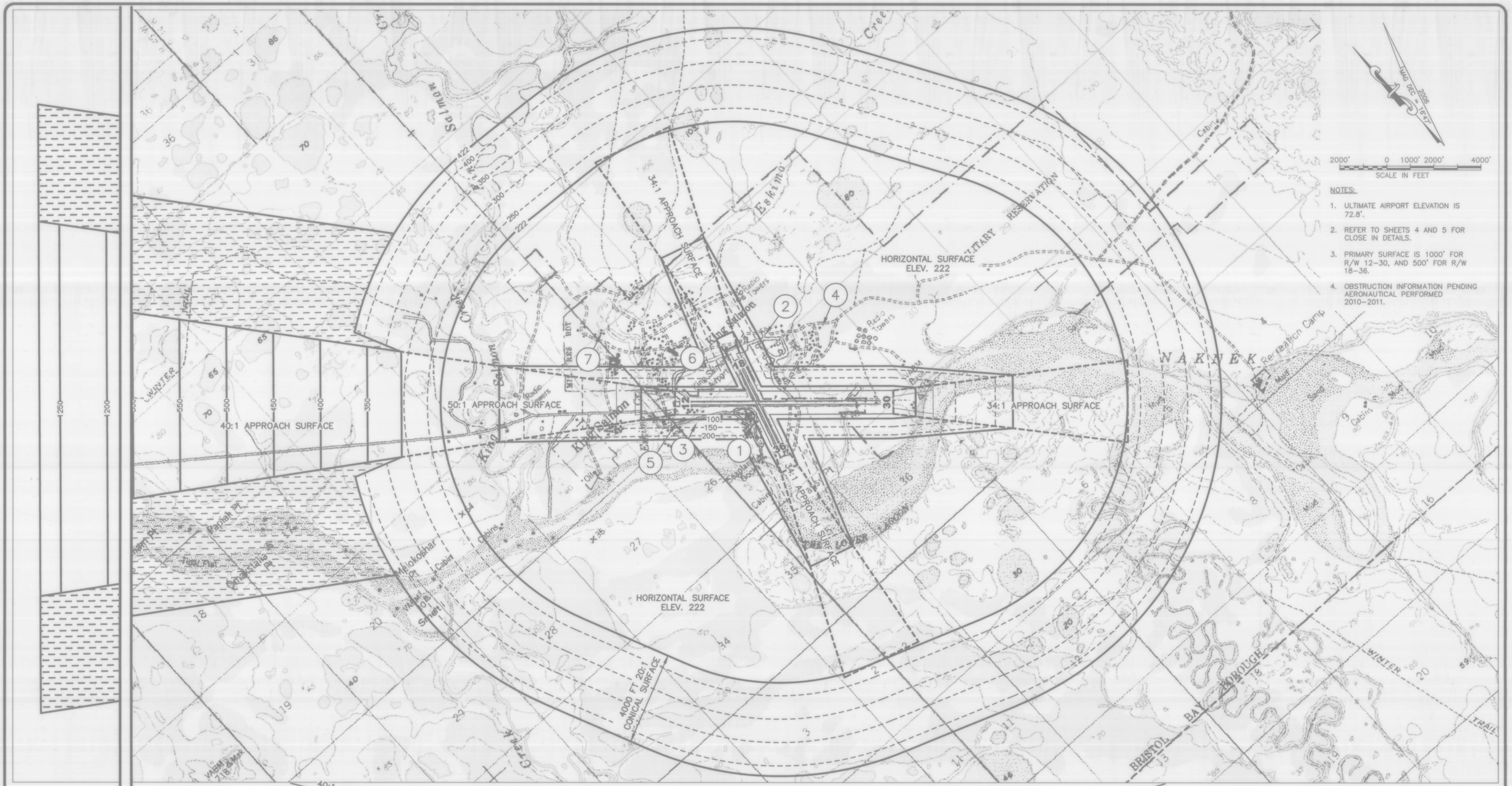

MAG DEC = 16°47' 2005
2000' 0 1000' 2000' 4000'
SCALE IN FEET
HORIZONTAL SURFACE
ELEV. 222
34:1 APPROACH SURFACE
50:1 APPROACH SURFACE
40:1 APPROACH SURFACE
4000 FT 20:1
CONICAL SURFACE
NAKNEK
BRISTOL BAY BOROUGH
WINTER TRAIL
Salmon
Eskimo
Creek
Cabins
Mud
Sand
Seag
Recreation Camp
Radio Towers
Cabin
Ole
Shed
Sheet
Metokobar Pt
Papik Pt
Constantine Pt
Tidal Flat
Lagoon
Cove
Bay
Sheet
Cabins
Dock
Shop
Fuel
Tank
Hangar
Apron
Ramp
Taxiway
Terminal
Bldg
Tower
Radio
Towers
Dog
Kennels
Sled
Dogs
Fish
Camp
Cabins
Dock
Fish
Camp
Cabins
Dock
Fish
Camp
Cabins
Dock

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

KING SALMON AIRPORT
KING SALMON, ALASKA
AIRPORT LAYOUT PLAN
TERMINAL AREA

DATE: 04\18\2007
SHEET: 8 OF 9

BY	DATE	REVISION
DOMF	03\25\10	AS BUILT TAXIWAY A CONFIGURATION

NOTE: 1. DUE TO CHANGES IN MAGNETIC DECLINATION, RUNWAY 11\29 HAS BEEN RE-NAMED RUNWAY 13\31.
2. BUILDING DATA PENDING SURVEY TO BE PERFORMED SUMMER 2008.
3. STATIONING\OFFSET BASED ON WA 13-30.

GRAPHIC SCALE
100 0 20 100 200

BUILDING DATA TABLE

ID #	DESCRIPTION	STATION\ OFFSET	TOP ELEV (MSL)	MARKING OBSTRUCT
1	KING KO SUBDIVISION	0+00\800, RT		
2	NORTHERN AIR CARGO	3+02\125, RT		
3	ALASKA AIRLINES	2+58\125, RT		
4	AIDEA	2+20\125, RT	18,	NONE
5	KING FLYING SERVICE \ REEVE	8+88\125, RT		
6	AT&T ALASCOM	10+00\185, RT		
7	EAA	11+35\120, RT		
8	AT&T ALASCOM	11+15\145, RT		

BUILDING DATA TABLE

ID #	DESCRIPTION	STATION\ OFFSET	TOP ELEV (MSL)	MARKING OBSTRUCT
9	US FISH & WILDLIFE	26+22\122, RT		
10	ECO AIR HANGAR	26+00\142, RT		
11	GAMA SHAMBACK	24+73\163, RT		
12	STORAGE BUILDING	24+16\188, RT		
13	KING SALMON GROUND SERVICE	26+20\1001, RT		
14	GAMA SHAMBACK	25+35\395, RT		

ID #	DESCRIPTION	STATION\ OFFSET	TOP ELEV (MSL)	MARKING OBSTRUCT
15	STORAGE BUILDING	24+16\188, RT		
16	KING SALMON GROUND SERVICE	26+20\1001, RT		
17	GAMA SHAMBACK	25+35\395, RT		

ID #	DESCRIPTION	STATION\ OFFSET	TOP ELEV (MSL)	MARKING OBSTRUCT
18	AT&T ALASCOM	10+00\185, RT		
19	EAA	11+35\120, RT		
20	AT&T ALASCOM	11+15\145, RT		

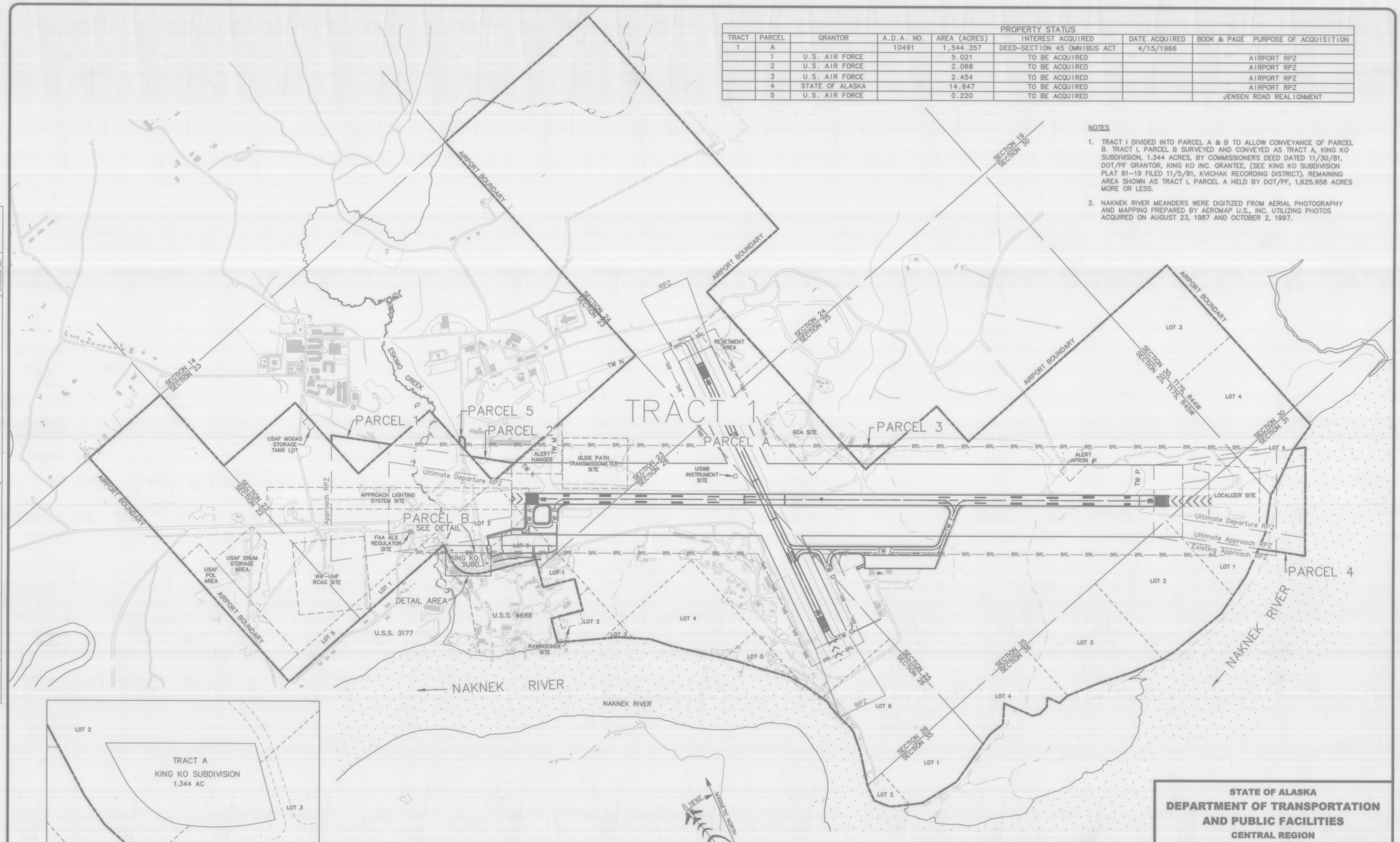
date format:	13\18\2011 2:18 PM	LIB name:
robot name:	8	C:\BAOTCS2\MILDOO\dgn\AK-KSM-MAP\KSM_AK-Airport_Layout_Plan.dgn

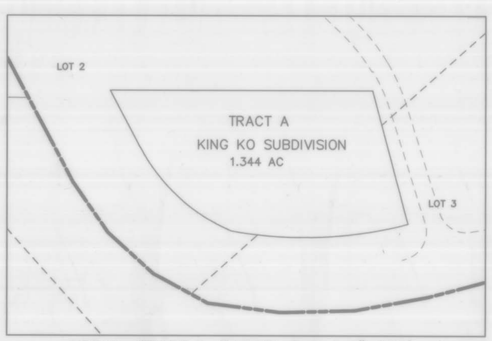
date:	08-12\1 AP 321-8	checked by:	
drawn by:		checked by:	
designed by:		project no:	

PROPERTY STATUS							
TRACT	PARCEL	GRANTOR	A.D.A. NO.	AREA (ACRES)	INTEREST ACQUIRED	DATE ACQUIRED	BOOK & PAGE PURPOSE OF ACQUISITION
1	A		10491	1,544.357	DEED-SECTION 45 OMNIBUS ACT	4/15/1966	
	1	U.S. AIR FORCE		5.021	TO BE ACQUIRED		AIRPORT RPZ
	2	U.S. AIR FORCE		2.068	TO BE ACQUIRED		AIRPORT RPZ
	3	U.S. AIR FORCE		2.454	TO BE ACQUIRED		AIRPORT RPZ
	4	STATE OF ALASKA		14.647	TO BE ACQUIRED		AIRPORT RPZ
	5	U.S. AIR FORCE		0.220	TO BE ACQUIRED		JENSEN ROAD REALIGNMENT

NOTES

1. TRACT I DIVIDED INTO PARCEL A & B TO ALLOW CONVEYANCE OF PARCEL B. TRACT I, PARCEL B SURVEYED AND CONVEYED AS TRACT A, KING KO SUBDIVISION, 1.344 ACRES, BY COMMISSIONERS DEED DATED 11/30/81, DOT/PF GRANTOR, KING KO INC. GRANTEE, (SEE KING KO SUBDIVISION PLAT 81-19 FILED 11/5/81, KVICHAK RECORDING DISTRICT). REMAINING AREA SHOWN AS TRACT I, PARCEL A HELD BY DOT/PF, 1,625.958 ACRES MORE OR LESS.
2. NAKNEK RIVER MEANDERS WERE DIGITIZED FROM AERIAL PHOTOGRAPHY AND MAPPING PREPARED BY AEROMAP U.S., INC. UTILIZING PHOTOS ACQUIRED ON AUGUST 23, 1987 AND OCTOBER 2, 1997.





DETAIL, TRACT 1, PARCEL B 1"=100'

Designed By:	
Drawn By:	bogulinn
Checked By:	

Date Plotted: 5/18/2011 3:19 PM
Layout Name: 9 PROPERTY
File Name: C:\PROJECTS\AUTOCAD\TEMP\AcPublish_2284\DRW-KSA-ALP.dwg

BY	DATE	REVISION
DOWL	02/25/10	UPDATED AIRPORT BACKGROUND

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

KING SALMON AIRPORT
KING SALMON, ALASKA
AIRPORT LAYOUT PLAN

AIRPORT PROPERTY MAP

DATE: 04/18/2007
SHEET: 9 OF 9