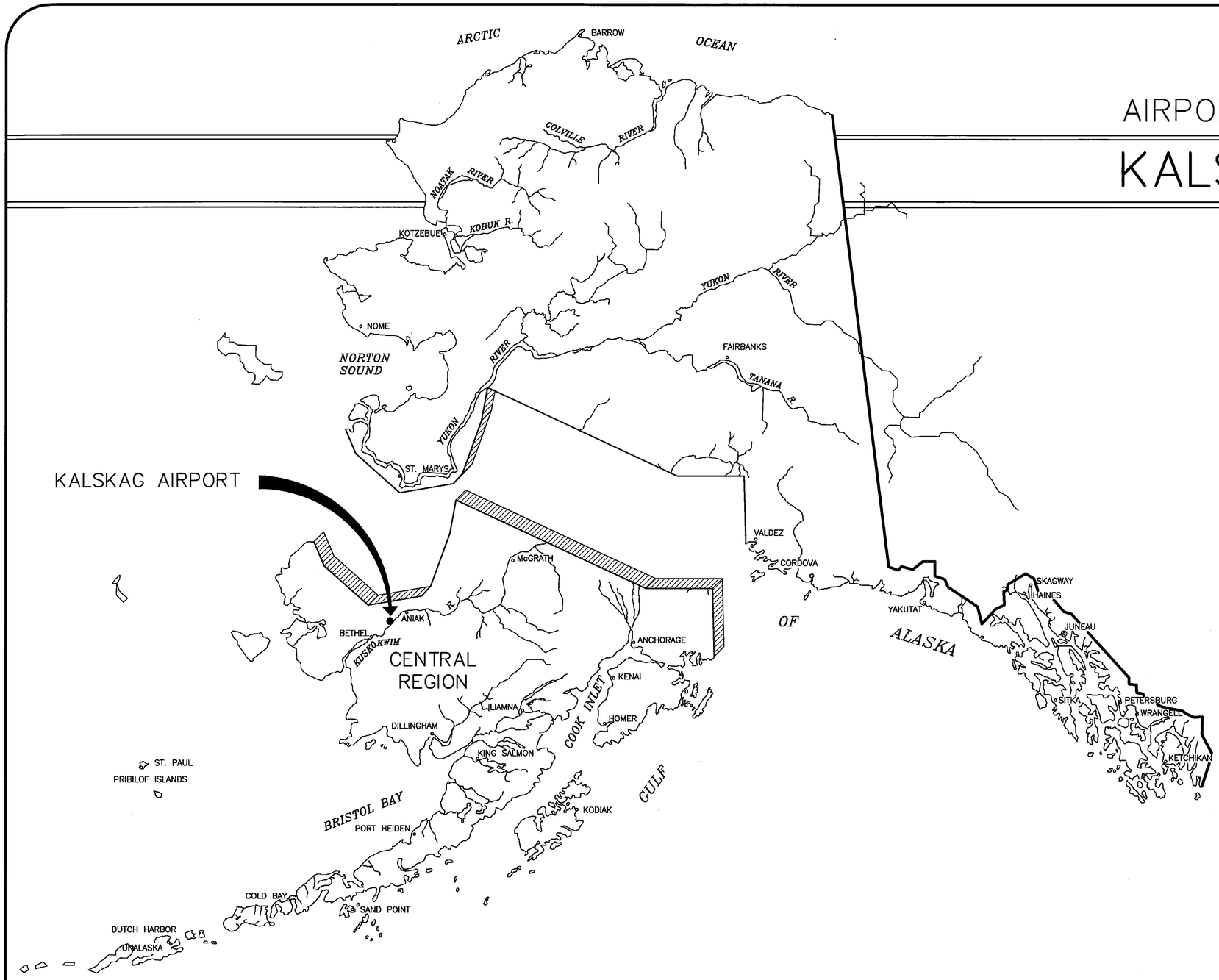


AIRPORT LAYOUT PLAN FOR

KALSKAG AIRPORT

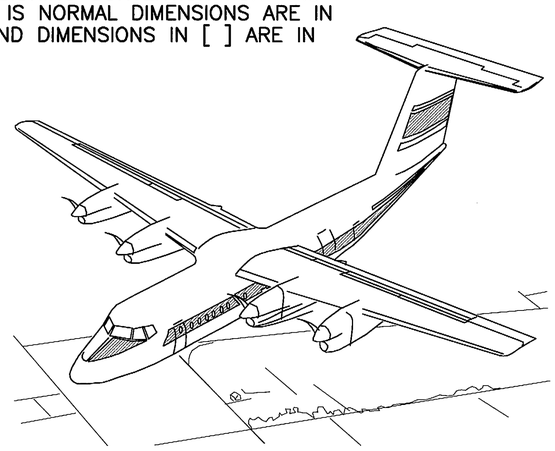
2002

DRAWING INDEX

1 – COVER SHEET AND INDEX
2 – VICINITY MAP AND DATA TABLES
3 – PLAN AND PROFILE
4 – INNER PORTION OF THE APPROACH SURFACE
5 – AIRPORT AIRSPACE
6 – PROPERTY PLAN
7 – NARRATIVE REPORT

NOTES:

1. THESE PLANS HAVE BEEN PREPARED USING THE METRIC S.I. SYSTEM.
2. THE DIMENSIONING CONVENTION FOR THIS PLAN SET IS NORMAL DIMENSIONS ARE IN METERS AND DIMENSIONS IN [ ] ARE IN FEET.



SPONSORED BY
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

APPROVED _____ DATE 11/27/02
STEPHEN M. RYAN — DESIGN SECTION CHIEF

APPROVED _____ DATE 11/27/02
HARVEY M. DOUTHIT, P.E. — PROJECT MANAGER

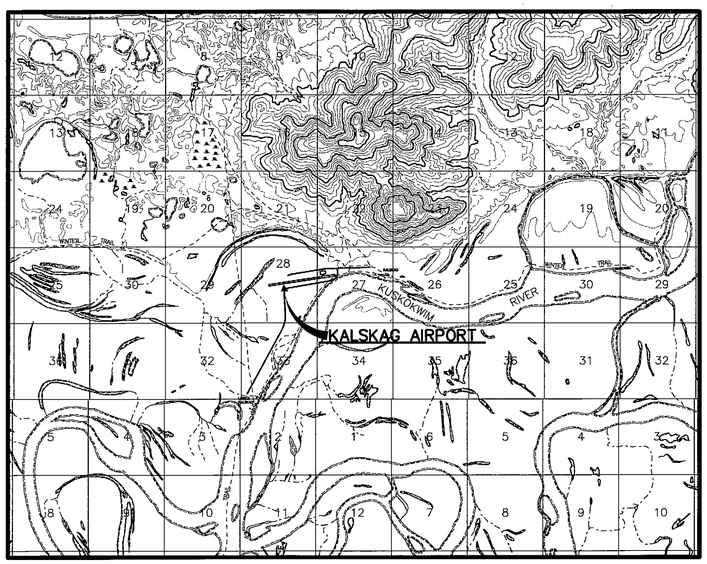
AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
By: _____
FAA, AIRPORTS DIVISION
ALASKAN REGION, AAL-601
DATE: 1/7/03

FAA AIRSPACE REVIEW NUMBER
99-AAL-046-NRA

KALSKAG AIRPORT
AIRPORT LAYOUT PLAN

SHEET 1 OF 7

File and Date of last Revision: H:\cad\data\Kalskag\alp – metric\alpcvr.dwg 11/27/2002 09:06:24 AM ADT

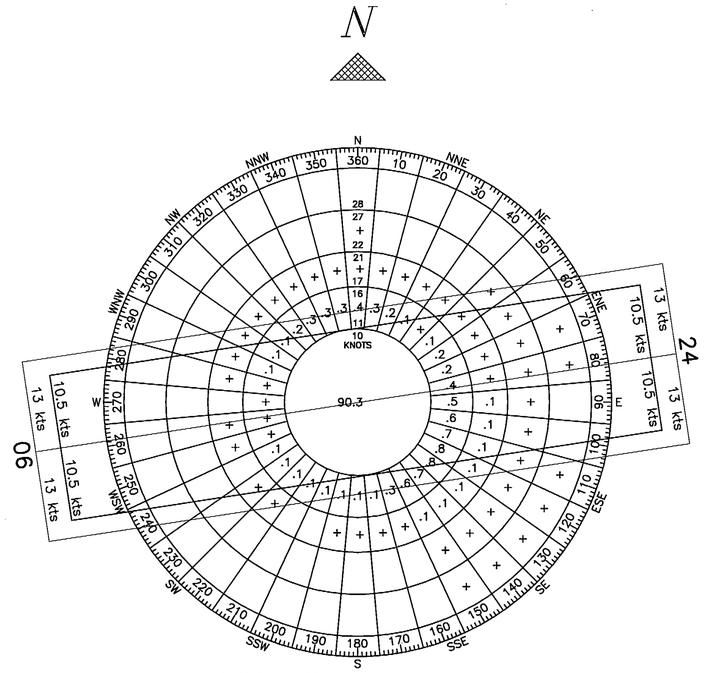


VICINITY MAP

25.4 mm = 1 MILE
T 17 N, R 61 W, SEWARD MERIDIAN
U.S.G.S. RUSSIAN MISSION (C-4), ALASKA
NOTE: ELEVATIONS SHOWN ON THIS MAP ARE IN FEET.

CONVERSION FACTORS FROM SI UNITS

TO CONVERT FROM	TO	MULTIPLY BY
STATION (1000 METERS (M))	FEET	3280.84
KILOMETER (KM)	MILE	0.6214
METER (M)	MILE	0.00062137
METER (M)	FOOT	3.28084
CENTIMETER (CM)	FOOT	0.0328084
CENTIMETER (CM)	INCH	0.3937008
SQUARE METER (M^2)	SQUARE FOOT	10.76391042
SQUARE METER (M^2)	SQUARE YARD	1.19599
SQUARE METER (M^2)	ACRE	0.00024711
CUBIC METER (M^3)	CUBIC FOOT	35.3146667
CUBIC METER (M^3)	CUBIC YARD	1.3079506
CUBIC METER (M^3)	GALLON (US LIQUID)	264.17204
CUBIC METER (M^3)	M. GAL.	0.26417204
KILOGRAM (KG)	POUND-MASS (LBF)	2.2046225
KILOGRAM (KG)	TON (SHORT)	0.00110231
NEWTON (N)	POUND-FORCE (LBF)	0.2248089
LUX (LX)	FOOTCANDLE	0.092903
DEGREE CELSIUS (°C)	DEGREE FAHRENHEIT	T°F=(1.8 x T°C)+32



WIND COVERAGE:

BI – 10.5 knots – 95.51% Coverage
BII – 13.0 knots – 97.74% Coverage

WIND DATA

SOURCE: NOAA, NATIONAL CLIMATIC DATA CENTER
PERIOD: JAN.1986 – JAN.1995

NOTE:
NO WIND DATA AVAILABLE FOR KALSKAG
THIS DATA TAKEN FROM ANIAK, AK (33 MILES EAST)

MODIFICATIONS TO STANDARDS

ITEM	EXISTING	STANDARD	FUTURE

BASIC DATA TABLE
RUNWAY DATA

ITEM		RUNWAY 06/24 EXISTING	RUNWAY 06/24 FUTURE
EFFECTIVE GRADE		0.10%	0.10%
% WIND COVERAGE		97.74	97.74
INSTRUMENT RUNWAY		NON-PRECISION	NON-PRECISION
RUNWAY SURFACE		GRAVEL	GRAVEL
PAVEMENT STRENGTH (LBS.)		N/A	N/A
APPROACH SURFACES		34:1	34:1
VISIBILITY MINIMUM		1,600m (~1 mile)	1,600m (~1 mile)
RUNWAY LIGHTING		MIRL	MIRL
RUNWAY MARKING		NONE	NONE
NAVIGATION AIDS		PAPI (24), GPS	PAPI (24 & 06), GPS
RUNWAY SAFETY AREA DIMENSION		45m x 1,119m (B-I)	45m x 1,400m (B-II)
		(150' x 3,680')	(150' x 4,600')
RUNWAY DIMENSION		23m x 975m	23m x 1220m
		(75' x 3,200')	(75' x 4,000')
RUNWAY OBJECT FREE AREA DIMENSION		150m x 1,119m	150m x 1,400m
		(500' x 3,670')	(500' x 4,600')
RUNWAY OBSTACLE FREE ZONE DIMENSION		120m x 1,095m	120m x 1,340m
		(400' x 3,600')	(400' x 4,400')
AIRCRAFT APPROACH CATEGORY		B	B
AIRCRAFT DESIGN GROUP		I > UTILITY	II > UTILITY
RUNWAY PROTECTION ZONE		150m x 210m x 300m	150m x 210m x 300m
		(500' x 700' x 1000')	(500' x 700' x 1000')
GEODETIC POSITIONS (N.A.D. 83)			
THRESHOLD 06	LAT.	61°32'08.012"N	61°32'07.021"N
	LONG.	160°21'17.082"W	160°21'33.533"W
THRESHOLD 24	LAT.	61°32'11.955"N	61°32'11.955"N
	LONG.	160°20'11.615"W	160°20'11.615"W

BASIC DATA TABLE
AIRPORT DATA

ITEM		EXISTING	FUTURE
AIRPORT ELEVATION (M.S.L.)		17.66m (57.9')	17.66m (57.9')
AIRPORT REFERENCE POINT (A.R.P.) NAD 83	LAT.	61°32'09.985"N	61°32'09.495"N
	LONG.	160°20'44.349"W	160°20'52.479"W
TAXIWAY LIGHTING		MITL	MITL
RAMP LIGHTING		NONE	NONE
MEAN MAX. TEMPERATURE, HOTTEST MONTH (JULY)		68°F	SAME
MAGNETIC DECLINATION, YEAR		16° 44', 2002	14° 36', 2019
AIRPORT CATEGORY		B-I	B-II
AIRPORT AND TERMINAL NAVIGATION AIDS		GPS	GPS

LEGEND

ITEM	EXISTING	FUTURE
PROPERTY LINE		
BUILDING RESTRICTION LINE	BRL	BRL
AIRPORT REFERENCE POINT (A.R.P.)		
WIND CONE AND SEGMENTED CIRCLE		
WIND CONE		
CONTOURS	25	SAME
ROADWAYS		
BUILDINGS		
ROTATING BEACON		
SHORELINE		SAME
CHANNEL CHANGE		SAME
RUNWAY LIGHTS		
RUNWAY THRESHOLD LIGHTS		
RUNWAY THRESHOLD MARKERS		
TREES		SAME
MONUMENTS		
FENCE		
PAPI		

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FILE:
DATE:

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
By: _____
FAA, AIRPORTS DIVISION
ALASKAN REGION, AAL-600
DATE: 1/7/03
FAA AIRSPACE REVIEW NUMBER: 99-AAL-048-NRA

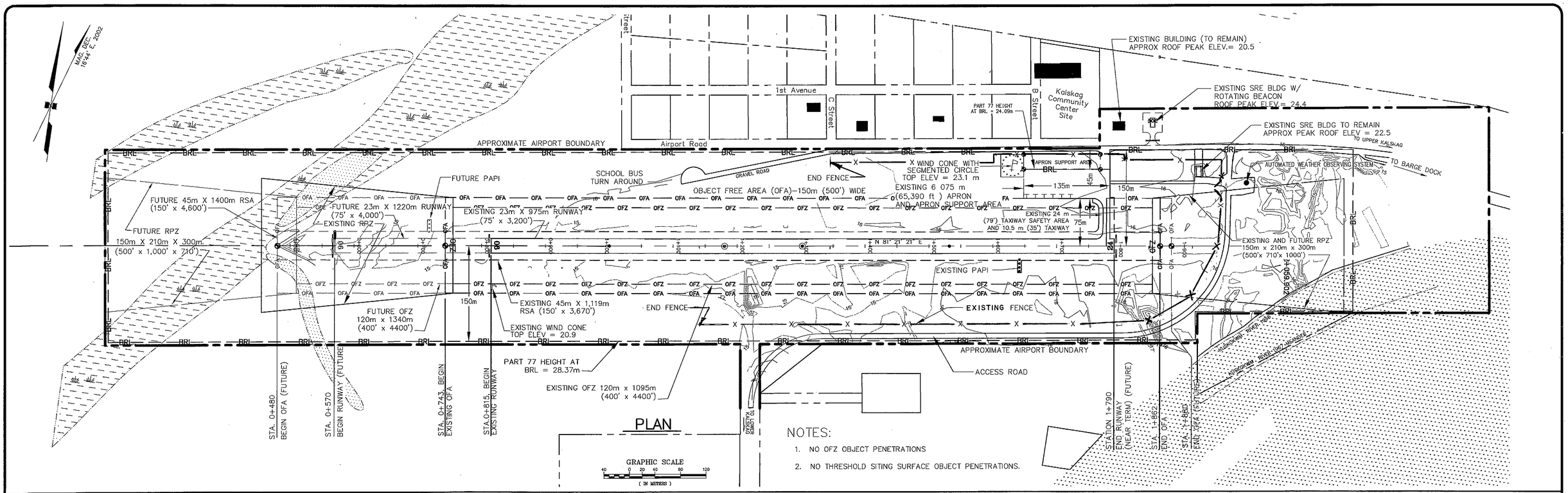
BY	DATE	REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
APPROVED: STEPHEN M. RYAN, P.E. — DESIGN SECTION CHIEF
APPROVED: HARVEY M. DOUTHIT, P.E. — PROJECT MANAGER

DATE 11/27/02
DESIGN JEG
DRAWN MGT
CHECKED TJS

KALSKAG AIRPORT
AIRPORT LAYOUT PLAN
VICINITY MAP AND DATA TABLES

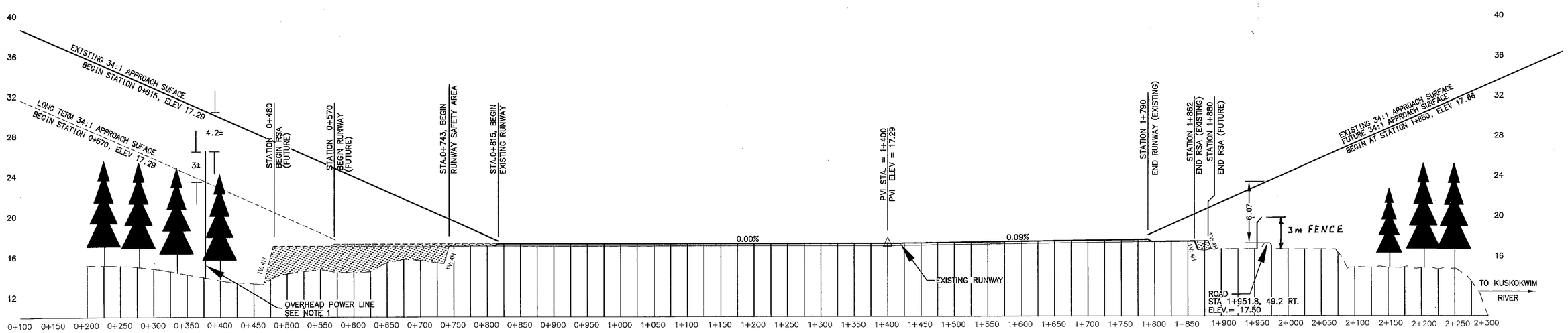
SHEET 2 OF 7



PLAN

NOTES:

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



NOTES:

1. OVERHEAD POWERLINE LOCATION AND ELEVATION IS APPROXIMATE. RELOCATE POWERLINE PRIOR TO FUTURE CONSTRUCTION.

PLAN

SCALE: HORZ. 1:6000
VERT. 1:400

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DATE: Layout = P&P

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED 11/7/03

By: _____ DATE: 11/7/03

FAA, AIRPORTS DIVISION
ALASKAN REGION, AAL-601

FAA AIRSPACE REVIEW NUMBER: 99-AAL-048-NRA

BY	DATE	REVISIONS
AAL 621	6/28/06	
BCJ	4/30/06	AS-BUILT FENCE PER PROJECT #55959

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

APPROVED: STEPHEN M. RYAN, P.E. — DESIGN SECTION CHIEF

APPROVED: HARVEY M. DOUTHIT, P.E. — PROJECT MANAGER

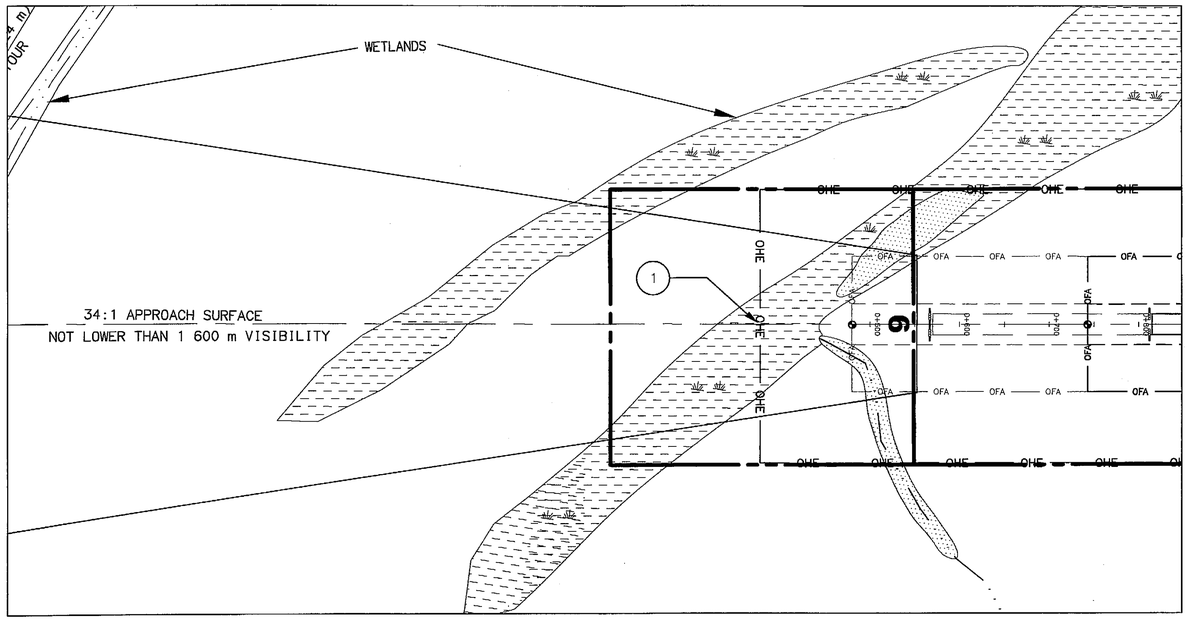
DATE 11/27/02
DESIGN JEG
DRAWN MGT
CHECKED TJS

KALSKAG AIRPORT
KALSKAG, ALASKAN

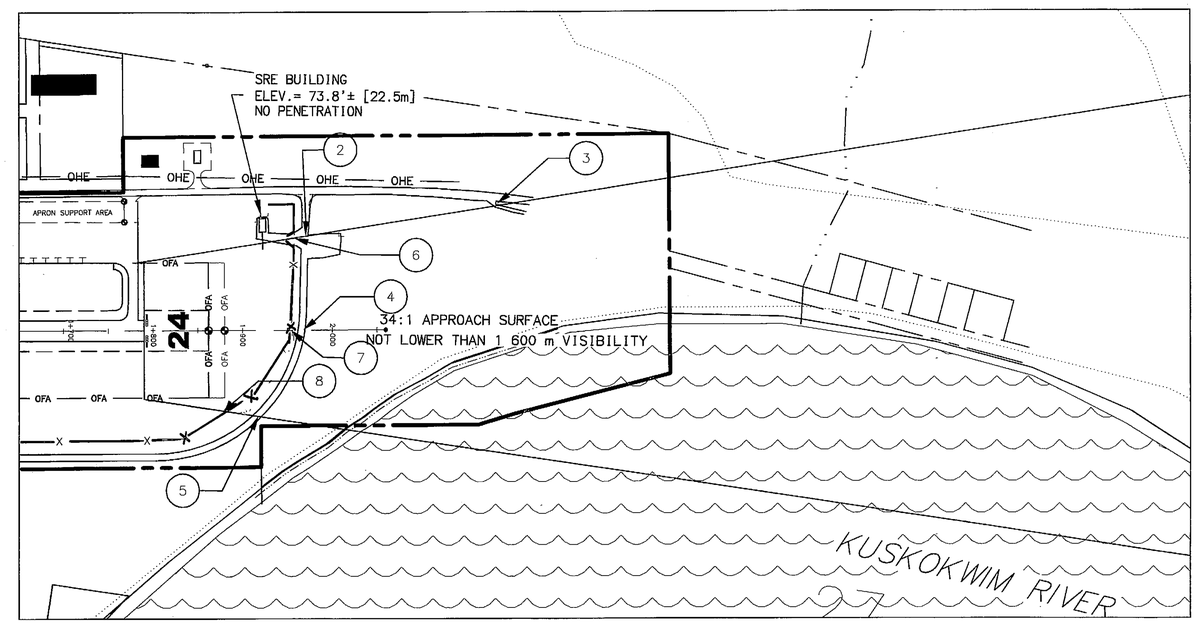
AIRPORT LAYOUT PLAN

RUNWAY 6/24 PLAN AND PROFILE

SHEET 3 OF 7

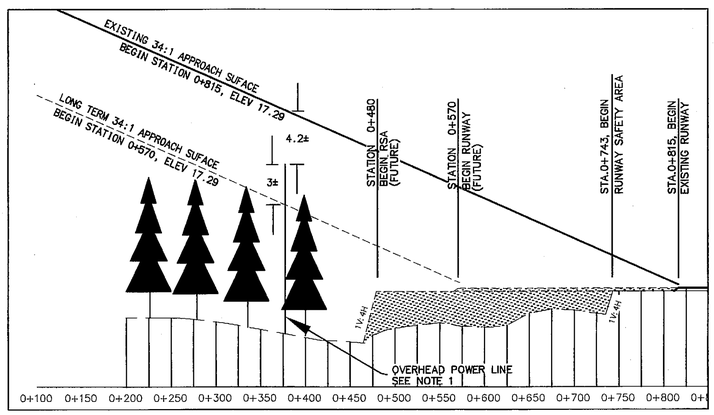


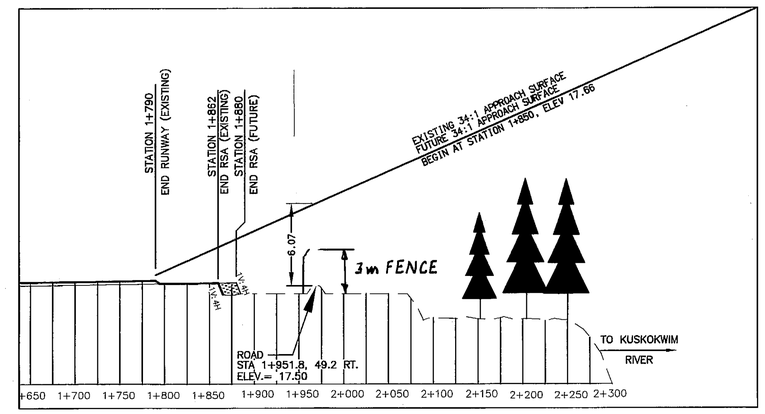
RUNWAY 6 APPROACH PLAN



RUNWAY 24 APPROACH PLAN

GRAPHIC SCALE
50 0 25 50 100 150
(IN METERS)





Obstruction Data Table

Number	Discription	Elevation	Amount of Surface Penetration	Proposed disposition
1	OH Power line	13.50m (44')	3m (10')	Relocate (long term)
2	Access Road	16.71m (54.8)	None	None
3	Access Road	15.70m (51.5')	None	None
4	Access Road	17.08m (56.0')	None	None
5	Access Road	16.77m (55')	None	None
6	Fence	18.94m (62.1')	None	None
7	Fence	19.14m (62.8')	None	None
8	Fence	18.64m (61.2')	None	None

NOTES:
1. OVERHEAD POWERLINE LOCATION AND ELEVATION IS APPROXIMATE.
2. RUNWAY 6 THRESHOLD ELEVATION = 17.29 m (56.7')
3. RUNWAY 24 THRESHOLD ELEVATION = 17.66 m (57.9')
4. SRE BUILDING ELEVATION IS ESTIMATED.
5. OBSTRUCTION CLEARANCE SLOPE IS >50:1 FOR R/W 24.
   OBSTRUCTION CLEARANCE SLOPE IS 48:1 FOR R/W 06.

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DATE:

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
SUBJECT TO ALP APPROVAL LETTER DATED 1/7/03
By: DATE: 1/7/03
FAA, AIRPORTS DIVISION
ALASKAN REGION, AAL-601

FAA AIRSPACE REVIEW NUMBER: 99-AAL-048-NRA

BY	DATE	REVISIONS
ARC 6/21	6/28/06	
BCJ	4/30/06	AS-BUILT FENCE, PER PROJECT # 55959

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
APPROVED: STEPHEN M. RYAN, P.E. — DESIGN SECTION CHIEF
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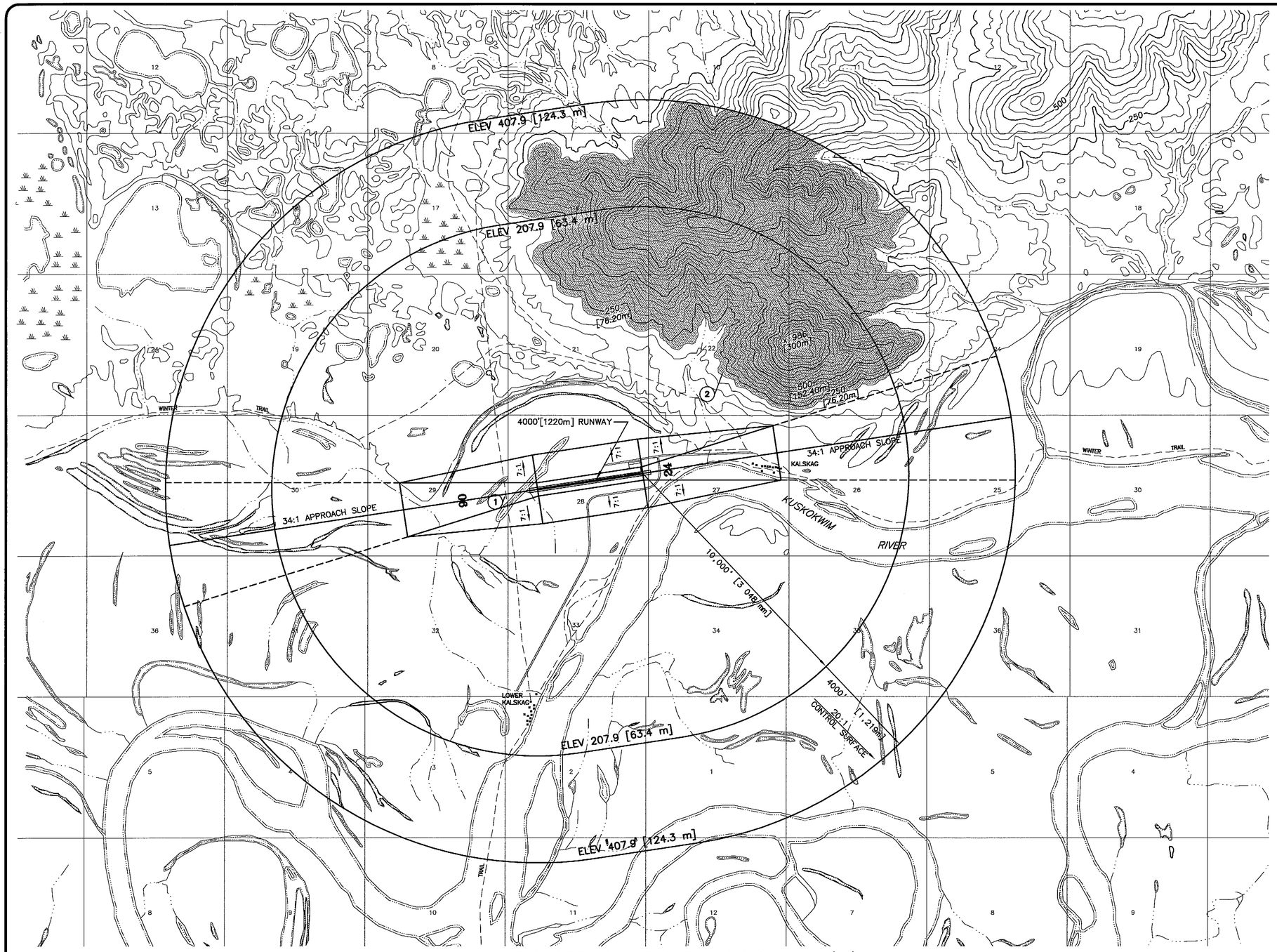
DATE 11/27/02
DESIGN JEG
DRAWN MGT
CHECKED TJS

KALSKAG AIRPORT
KALSKAG, ALASKA

AIRPORT LAYOUT PLAN
INNER PORTION OF THE
APPROACH SURFACES

SHEET 4 OF 7



2000' 1000' 0 1000' 2000' 3000' 4000'

SCALE IN FEET (1"=2000' FULL SIZE)

400m 0 400m 800m

SCALE IN METERS (1:24 000 FULL SIZE)

LEGEND

PENETRATION TO F.A.R. PART 77 IMAGINARY SURFACES

NOTES

1. THIS DRAWING WAS DRAWN USING FEET AS F.A.R. PART 77 HAS NOT BEEN REVISED WITH METRIC COUNTERPARTS.
2. AIRPORT AND RUNWAY ELEVATIONS ARE 57.9' [17.66m].
3. ALL CONTOURS ARE IN FEET WITH METRIC CONVERSIONS SHOWN.

OBSTRUCTION DATA TABLE

NUMBER	PENETRATION DISTANCE (FEET [METERS])	DESCRIPTION	DISPOSITION
1	10' [3 m]	POWERLINE	RELOCATE & REMOVE
			FUTURE AIP PROJECT
2	VARIES 0 TO 986		
	[0 TO 300 m]	TERRAIN	PERMANENT

S 27, 28, 29, T 17 N, R 61 W, SEWARD MERIDAN, U.S.G.S. RUSSIAN MISSION (C-4), ALASKA

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FILE:

DATE:

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED 1/7/03

By: DATE: 1/7/03

FAA, AIRPORTS DIVISION
ALASKAN REGION, AAL-601

F.A.A. AIRSPACE REVIEW NUMBER: 99-AAL-048-NRA

BY	DATE	REVISIONS

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DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
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KALSKAG AIRPORT

AIRPORT LAYOUT PLAN
AIRPORT AIRSPACE

SHEET 5 OF 7