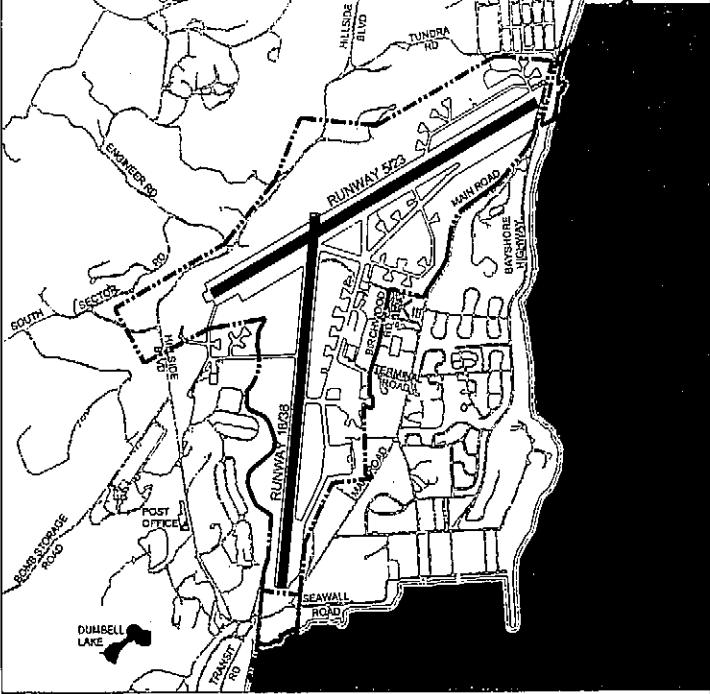


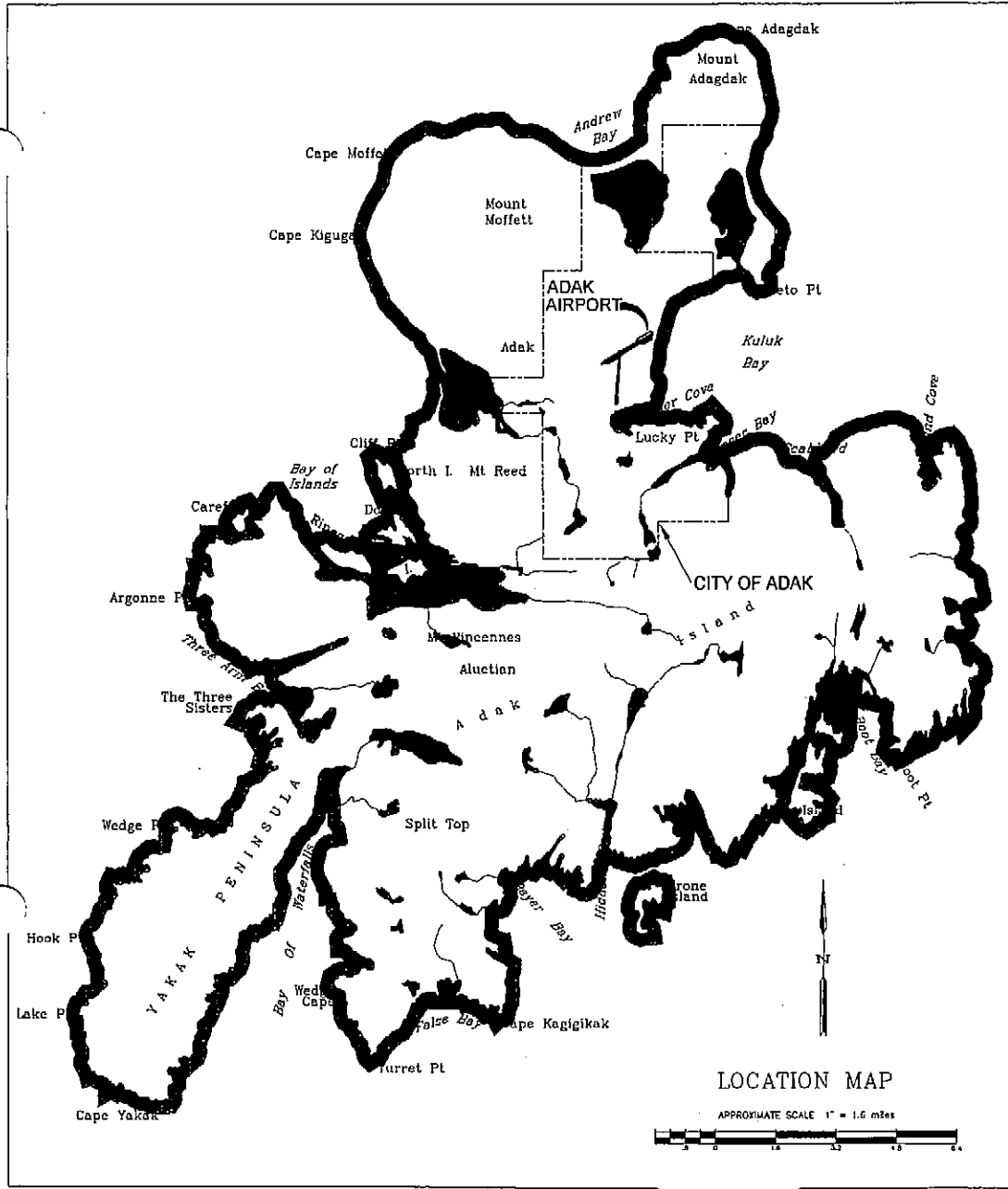
# ADAK AIRPORT AIRPORT LAYOUT PLAN ADAK, ALASKA



VICINITY MAP

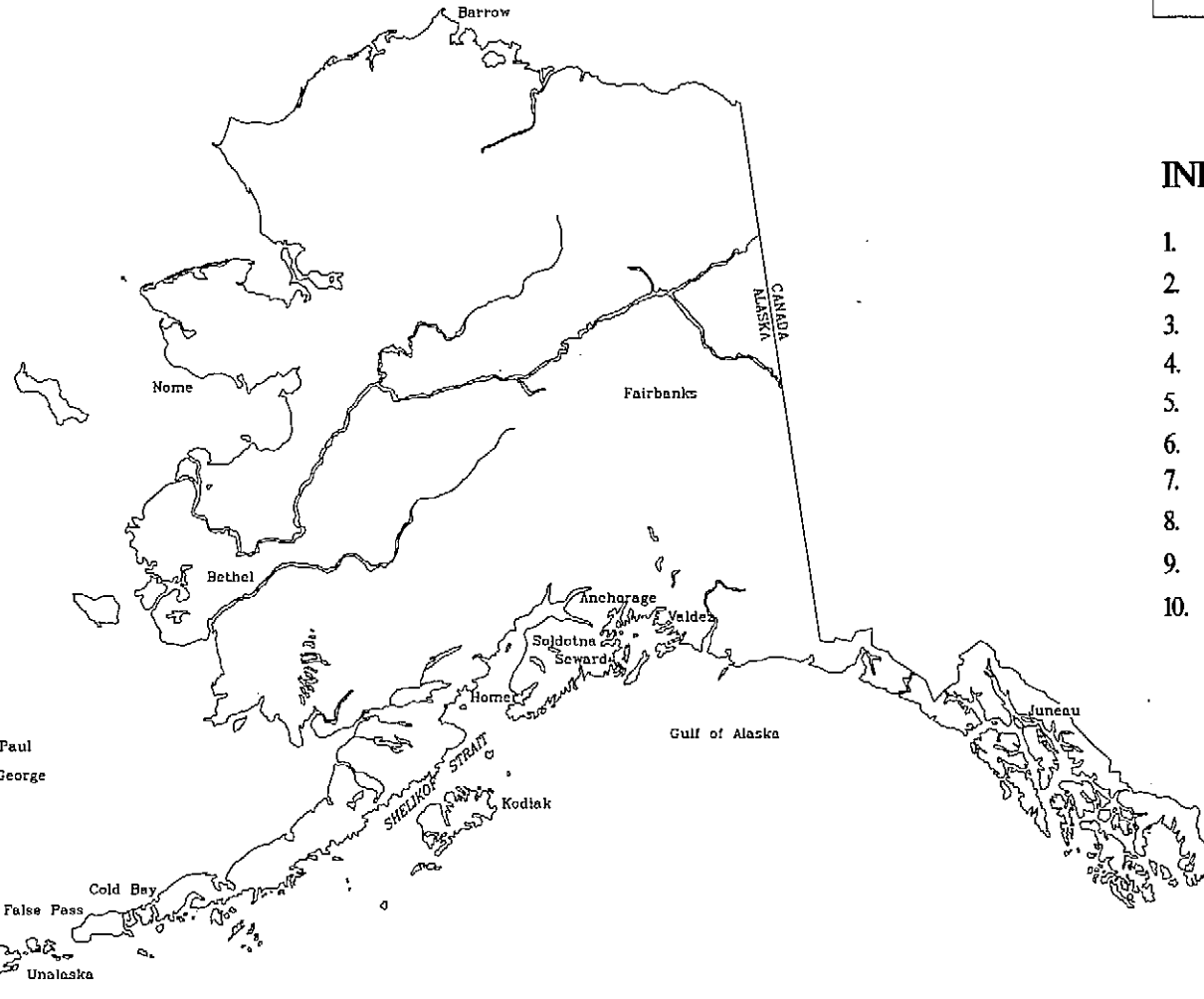
## INDEX

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10. EXHIBIT "A" PROPERTY MAP



LOCATION MAP

APPROXIMATE SCALE 1" = 1.6 miles

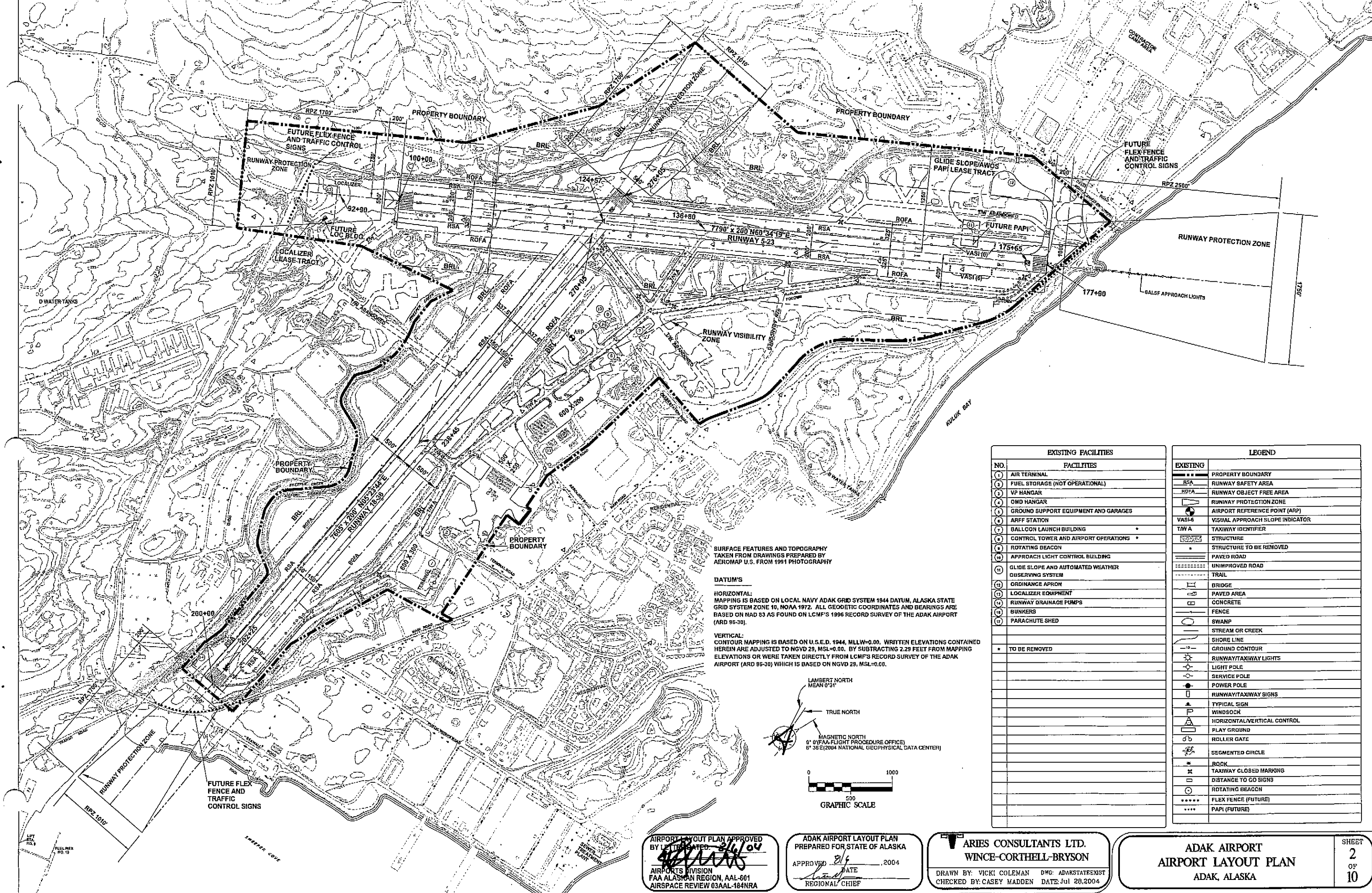


AIRPORT LAYOUT PLAN APPROVED  
BY LETTER DATED: 8/6/01  
APPROVED: [Signature]  
AIRPORT DIVISION  
FAA ALASKAN REGION, AAL-601  
AIRSPACE REVIEW 03AAL-164NRA

ADAK AIRPORT LAYOUT PLAN  
PREPARED FOR STATE OF ALASKA  
APPROVED: [Signature] DATE: 12/11/03  
REGIONAL CHIEF

VARIES CONSULTANTS LTD.  
WINCE-CORTHELL-BRYSON  
DRAWN BY: VICKI COLEMAN DRAWING: ADAKCOV  
CHECKED BY: CASEY MADDEN DATE: 12/11/03

ADAK AIRPORT  
COVER SHEET  
ADAK, ALASKA  
SHEET 1 OF 10



## RUNWAY DATA

		RUNWAY 5-23	RUNWAY 18-36
		EXISTING	EXISTING
EFFECTIVE GRADIENT (%)		0.03%	0.03%
10.5 KNOT WIND COVERAGE		82.3%	77.6%
13.0 KNOT WIND COVERAGE		91.2%	86.2%
16.5 KNOT WIND COVERAGE		95.2%	91.5%
20.0 KNOT WIND COVERAGE		98.2%	95.6%
RUNWAY SURFACE		ASPHALT	ASPHALT
PAVEMENT STRENGTH		S80,T145,TT325,TD770	S80,T145,TT325,TD770
APPROACH SURFACES		5/20:1, 23/50:1	20:1
VISIBILITY MINIMUM		5>1 MILE, 23>3/4 MILE	18/36>1 MILE
RUNWAY LIGHTING		HIRL	HIRL
RUNWAY MARKING		PRECISION	NON PRECISION
RUNWAY VISUAL AND INSTRUMENT NAVIGATION AIDS		R/W 23 PAPI	NONE
		R/W 23 ILS,SALS,F,NDB,TACAN	NONE
RUNWAY SAFETY AREA		7790 X 400	7605 X 300
RUNWAY DIMENSIONS		7790 X 200	7605 X 200
TAXIWAY SURFACE		ASPHALT	ASPHALT
TAXIWAY LIGHTING		MITL	MITL
RUNWAY END COORDINATES NAD 83	5	LATITUDE 51°52'42.02"N	
		LONGITUDE 176°39'26.98"W	
	23	LATITUDE 51°53'19.77"N	
		LONGITUDE 176°37'38.86"W	
RUNWAY END COORDINATES NAD 83	18	LATITUDE 51°52'57.73"N	
		LONGITUDE 176°38'52.30"W	
	36	LATITUDE 51°51'43.06"N	
		LONGITUDE 176°39'03.73"W	
RUNWAY PROTECTION ZONE DIMENSIONS		LENGTH 5/1700', 23/2500'	1700'
		INNER WIDTH 5/500', 23/1000'	500'
		OUTER WIDTH 5/1010', 23/1750'	1010'
		AREA 5/29,465 AC., 23/76,914 AC.	29,465 AC
OBJECT FREE AREA		7790 X 650	7605 X 675
OBSTACLE FREE ZONE		9,590 X 400	8005 X 400
BUILDING RESTRICTION LINE		750'	500'
RUNWAY END ELEVATIONS		5/17.4, 23/15.2 (MSL)	18/6.4, 36/4.3 (MSL)
RUNWAY HIGH ELEVATION		17.8' (MSL)	9.0' (MSL)
RUNWAY LOW ELEVATION		9.0' (MSL)	2.3' (MSL)
RUNWAY INTERSECTION		9.0' (MSL)	9.0' (MSL)
TOUCH DOWN ZONES ELEVATION	5	13.8' (MSL)	
	23	13.0' (MSL)	
TOUCH DOWN ZONES ELEVATION	18		5.8' (MSL)
	36		2.9' (MSL)
RUNWAY END STATIONING	5	100+00	
	23	177+90	
RUNWAY END STATIONING	18		200+00
	36		276+05
BRL		750'/FAR PART 77 EL=53.5'	500'/FAR PART 77 EL 53.5'
RUNWAY INTERSECTION		124+57	272+18

## AIRPORT DATA

		EXISTING
AIRPORT ELEVATION (MSL)		17.8'
AIRPORT REFERENCE POINT (A.R.P.)* NAD-83	LATITUDE	51°52'40.87"N
	LONGITUDE	176°38'45.71"W
MEAN TEMPERATURE HOTTEST MONTH		52°
AIRCRAFT DESIGN GROUP		
RUNWAY 5-23		III
RUNWAY 18-36		III
AIRCRAFT APPROACH CATEGORY		
RUNWAY 5-23		C
RUNWAY 18-36		B
AIR TRAFFIC CONTROL TOWER		NO
AIRPORT CATEGORY AND ROLE		COMMERCIAL SERVICE
AIRPORT SURVEY MONUMENTATION		PLAT ARD 96-30
AIRPORT ACREAGE		TO BE DETERMINED BY SURVEY
ICAO IDENTIFIER		PADK
NATIONAL IDENTIFIER		ADK

## EXISTING NON STANDARD CONDITIONS

DESCRIPTION	STANDARD	ACTUAL	DISPOSITION ①
RUNWAY 5-23			
SAFETY AREA LENGTH	9790	7790	NONE
SAFETY AREA WIDTH	500	400	NONE
OBJECT FREE AREA LENGTH	9790	7790	NONE
OBJECT FREE AREA WIDTH	800	650	NONE
RUNWAY 18-36			
SAFETY AREA LENGTH	9605	7605	NONE
SAFETY AREA WIDTH	500	300	NONE
OBJECT FREE AREA LENGTH	9605	7605	NONE
OBJECT FREE AREA WIDTH	800	675	NONE
① FAA FUNDING NOT APPLIED FOR			

## NOTES:

- NO OFZ OBJECT PENETRATIONS FOR EITHER RUNWAY.
- NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS FOR RUNWAYS 23, & 36. THE THRESHOLD SITING SURFACE OBJECT PENETRATIONS CRITERIA CANNOT BE MET FOR RUNWAYS 5 AND 18.
- SURVEY SOURCE

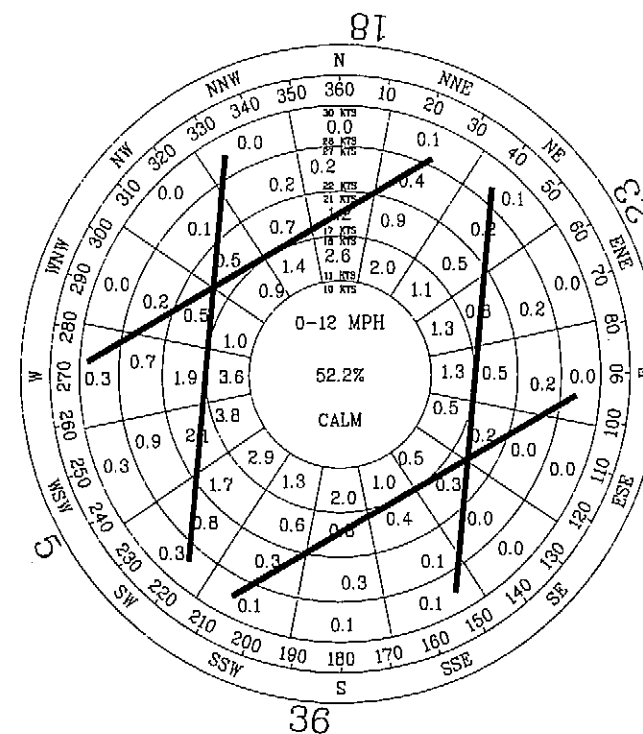
HORIZONTAL:  
MAPPING IS BASED ON LOCAL NAVY ADAK GRID SYSTEM 1944 DATUM, ALASKA STATE GRID SYSTEM ZONE 10, NOAA 1972. ALL GEODETIC COORDINATES AND BEARINGS ARE BASED ON NAD 83 AS FOUND ON LCMF'S 1996 RECORD SURVEY OF THE ADAK AIRPORT (ARD 96-30).

VERTICAL:  
MAPPING IS BASED ON U.S.E.D. 1944, MLLW=0.00. ELEVATIONS CONTAINED HEREIN ARE ADJUSTED TO NGVD 29, MSL=0.00, BY SUBTRACTING 2.29 FEET FROM MAPPING ELEVATIONS OR WERE TAKEN DIRECTLY FROM LCMF'S RECORD SURVEY OF THE ADAK AIRPORT (ARD 96-30) WHICH IS BASED ON NGVD 29, MSL=0.00.

- CONTROL TOWER AND BALLOON LAUNCH BUILDING ARE WITHIN RUNWAY VISIBILITY ZONE.

## TAXIWAY DATA

TAXIWAY DESIGNATION	A	B
TAXIWAY LENGTH	5600	495
TAXIWAY WIDTH	75	75
TAXIWAY SAFETY AREA WIDTH	171	171
TAXIWAY OBJECT FREE AREA WIDTH	259	259
TAXIWAY SURFACE	AC	AC
TAXIWAY LIGHTING	MITL	MITL
TAXIWAY RUNWAY STATIONS	RUNWAY 18/36	238+45
	RUNWAY 5/23	136+80
ALL OTHER T/W'S MARKED CLOSED AND LIGHTS REMOVED		



ALL-WEATHER WIND ROSE  
WEATHER DATA FROM NAF ADAK WEATHER STATION.  
1972-1978

WIND COVERAGE:	DESIGN GROUP	10.5 KNOTS	13.0 KNOTS	16.0 KNOTS	20.0 KNOTS
RUNWAY 5-23:	C III	82.3%	91.2%	95.2%	98.2%
RUNWAY 18-36:	B III	77.6%	86.2%	91.5%	95.6%
BOTH RUNWAYS:		95.9%	98.0%	99.4%	99.6%
CALM = 7.1%					

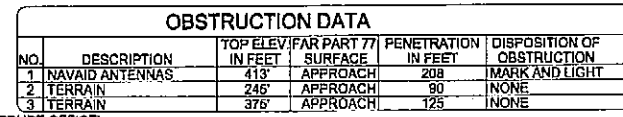
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BY: [Signature] DATE: 8/6/04  
AIRPORTS DIVISION  
FAA ALASKAN REGION, AAL-801  
AIRSPACE REVIEW 03AAL-184NRA

ADAK AIRPORT LAYOUT PLAN  
PREPARED FOR STATE OF ALASKA  
APPROVED: [Signature] DATE: 8/6/04  
REGIONAL CHIEF

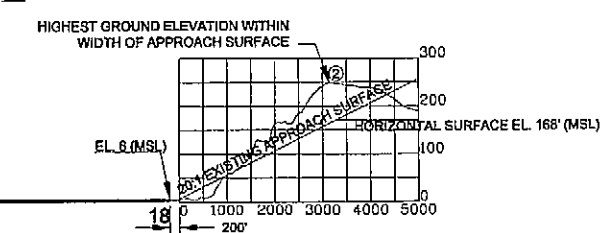
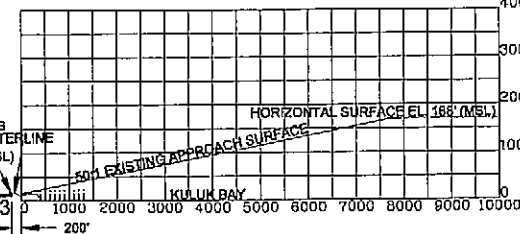
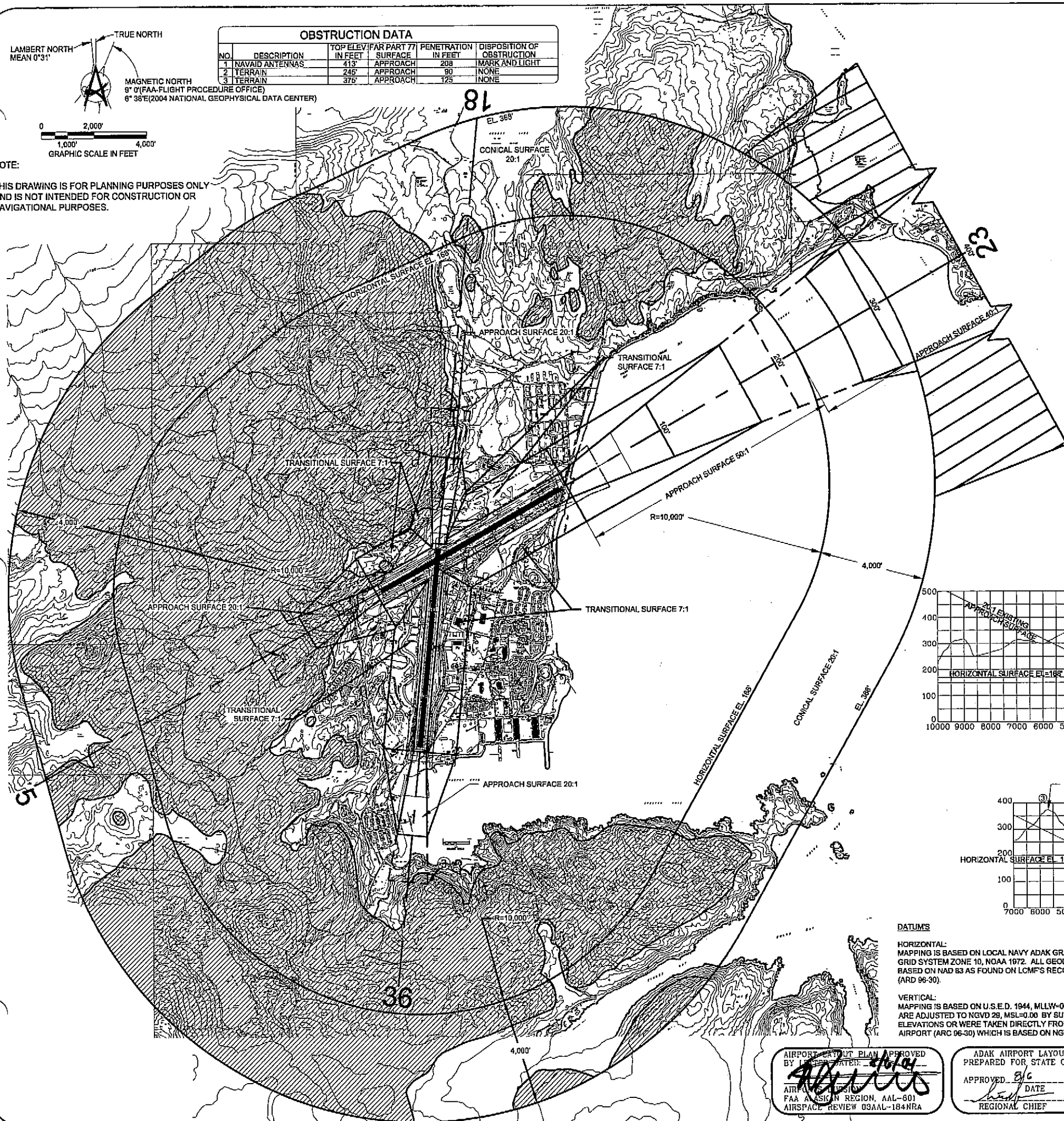
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WINCE-CORTHELL-BRYSON  
DRAWN BY: VICKI COLEMAN DWG: ADAKSTATETABLE  
CHECKED BY: CASEY MADDEN DATE: Jul 28, 2004

ADAK AIRPORT  
DATA TABLES  
ADAK, ALASKA

SHEET  
3  
OF  
10



THIS DRAWING IS FOR PLANNING PURPOSES ONLY  
AND IS NOT INTENDED FOR CONSTRUCTION OR  
NAVIGATIONAL PURPOSES.

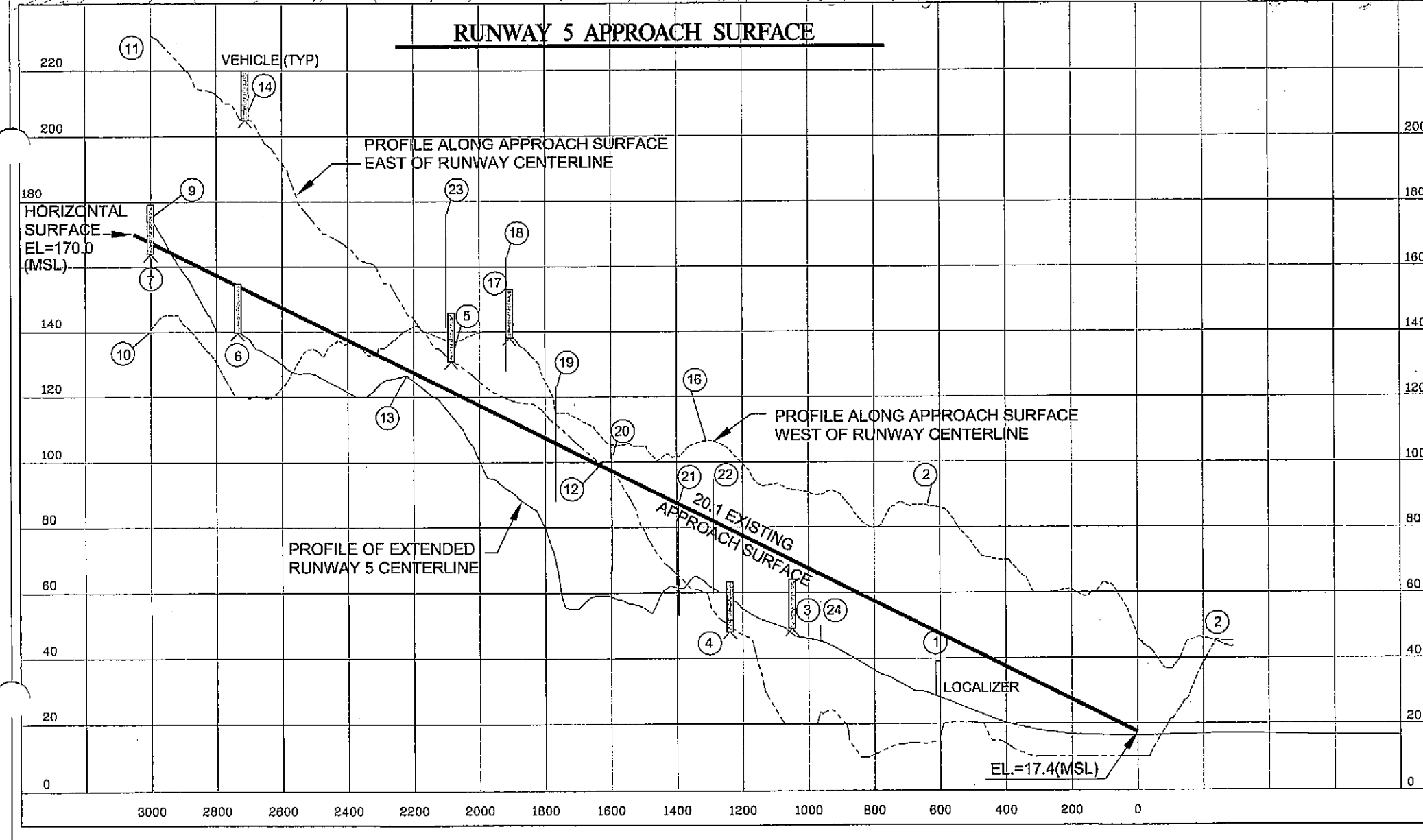
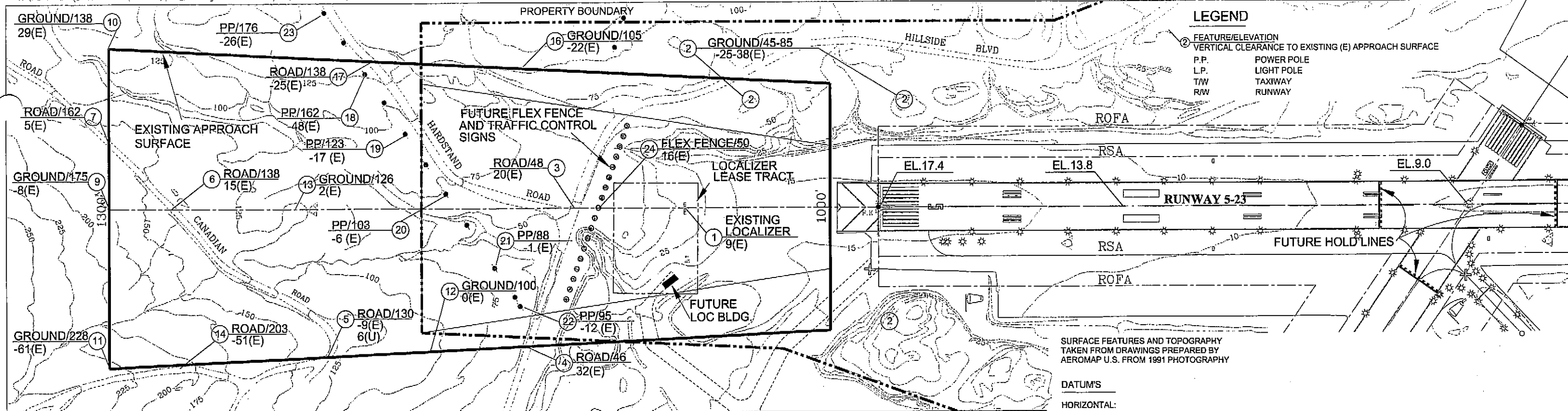


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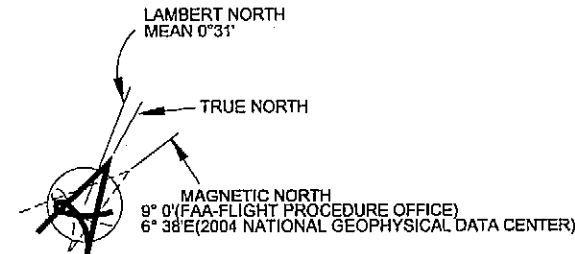
**T**ARIES CONSULTANTS LTD.  
WINCE-CORTHELL-BRYSON  
DRAWN BY: Joe Amador      DATE: 07/28/2004  
CHECKED BY: George W. Antis

SHEET  
4  
OF  
10





RUNWAY 5 OBSTRUCTION DATA				
No.	DESCRIPTION	TOP ELEV	APPROACH SURFACE PENETRATION	DISPOSITION OF OBSTRUCTION
②	EXISTING GROUND	45'-85'	-30 TO -40(E)	TO REMAIN
⑤	ROAD +15	145'	-22(E)	TO REMAIN
⑥	ROAD +15	153'	-1(E)	TO REMAIN
⑦	ROAD +15	177'	-8(E)	TO REMAIN
⑨	EXISTING GROUND	175'	-8(E)	TO REMAIN
⑪	EXISTING GROUND	228'	-56(E)	TO REMAIN
⑭	ROAD +15	218'	-66(E)	TO REMAIN
⑮	EXISTING GROUND	105'	-22(E)	TO REMAIN
⑰	ROAD +15	153'	-40(E)	TO REMAIN
⑱	POWER POLE	162'	-48(E)	TO REMAIN
⑲	POWER POLE	123'	-17(E)	TO REMAIN
⑳	POWER POLE	103'	-6(E)	TO REMAIN
㉑	POWER POLE	86'	-1(E)	TO REMAIN
㉒	POWER POLE	95'	-12(E)	TO REMAIN
㉓	POWER POLE	176'	-26(E)	TO REMAIN
㉔	FLEX FENCE	50'	NO	



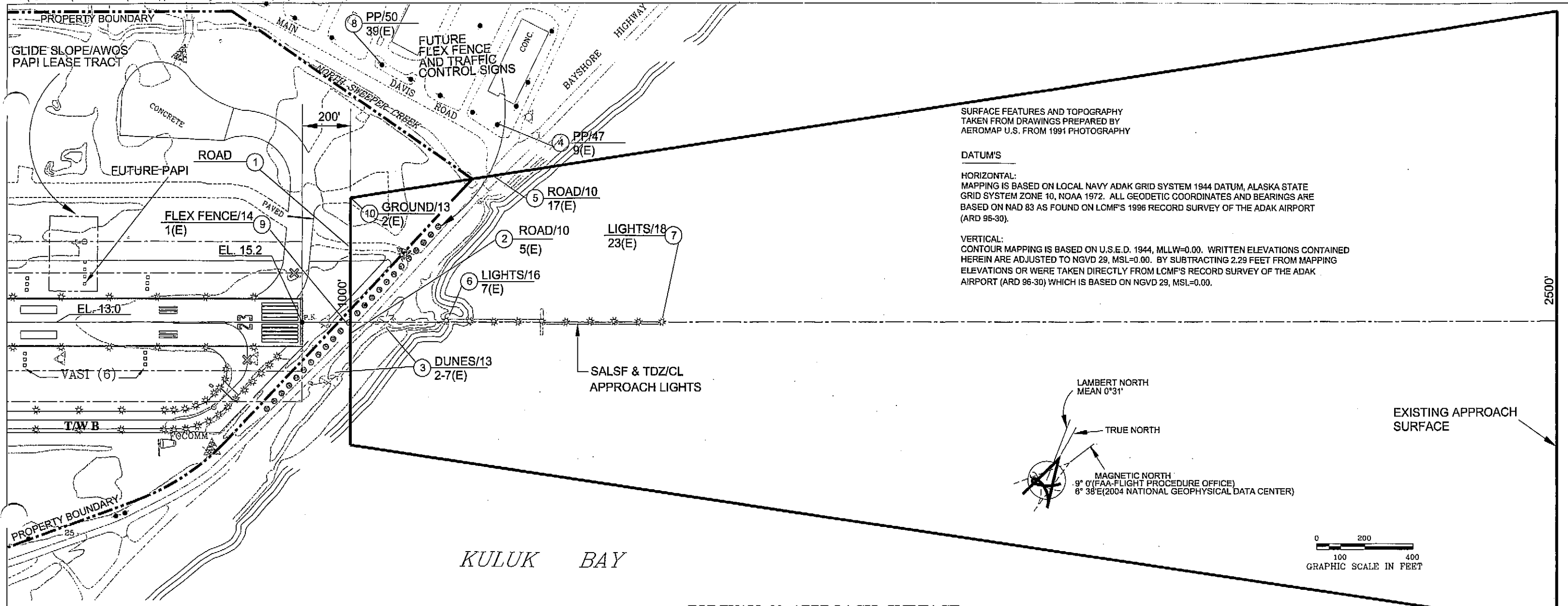
AIRPORT LAYOUT PLAN APPROVED BY: *[Signature]* 8/6/04  
FAA ALASKA REGION, AAL-601  
AIRSPACE REVIEW 03AAL-184NRA

ADAK AIRPORT LAYOUT PLAN PREPARED FOR STATE OF ALASKA  
APPROVED: *[Signature]* 8/6/04  
DATE: 8/6/04  
REGIONAL CHIEF

**VARIES CONSULTANTS LTD.**  
**WINCE-CORTHELL-BRYSON**  
DRAWN BY: VICKI COLEMAN DWG: STATEAPPR5\_23  
CHECKED BY: CASEY MADDEN DATE: Jul 28, 2004

**ADAK AIRPORT**  
**INNER PORTION APPROACH SURFACE**  
**RUNWAY 5**  
**ADAK, ALASKA**

SHEET  
**5**  
OF  
**10**



SURFACE FEATURES AND TOPOGRAPHY  
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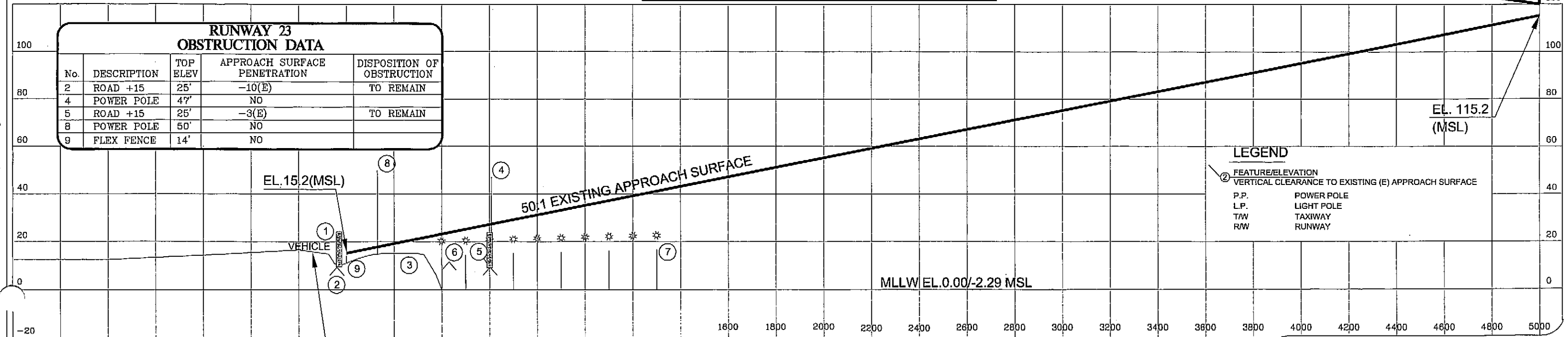
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MAPPING IS BASED ON LOCAL NAVY ADAK GRID SYSTEM 1944 DATUM, ALASKA STATE  
GRID SYSTEM ZONE 10, NOAA 1972. ALL GEODETIC COORDINATES AND BEARINGS ARE  
BASED ON NAD 83 AS FOUND ON LCMF'S 1996 RECORD SURVEY OF THE ADAK AIRPORT  
(ARD 96-30).

**VERTICAL:**  
CONTOUR MAPPING IS BASED ON U.S.E.D. 1944, MLLW=0.00. WRITTEN ELEVATIONS CONTAINED  
HEREIN ARE ADJUSTED TO NGVD 29, MSL=0.00. BY SUBTRACTING 2.29 FEET FROM MAPPING  
ELEVATIONS OR WERE TAKEN DIRECTLY FROM LCMF'S RECORD SURVEY OF THE ADAK  
AIRPORT (ARD 96-30) WHICH IS BASED ON NGVD 29, MSL=0.00.

**RUNWAY 23 APPROACH SURFACE**

RUNWAY 23 OBSTRUCTION DATA				
No.	DESCRIPTION	TOP ELEV	APPROACH SURFACE PENETRATION	DISPOSITION OF OBSTRUCTION
2	ROAD +15	25'	-10(E)	TO REMAIN
4	POWER POLE	47'	NO	
5	ROAD +15	25'	-3(E)	TO REMAIN
8	POWER POLE	50'	NO	
9	FLEX FENCE	14'	NO	



**LEGEND**

- ② FEATURE/ELEVATION  
VERTICAL CLEARANCE TO EXISTING (E) APPROACH SURFACE
- P.P. POWER POLE
- L.P. LIGHT POLE
- T/W TAXIWAY
- R/W RUNWAY

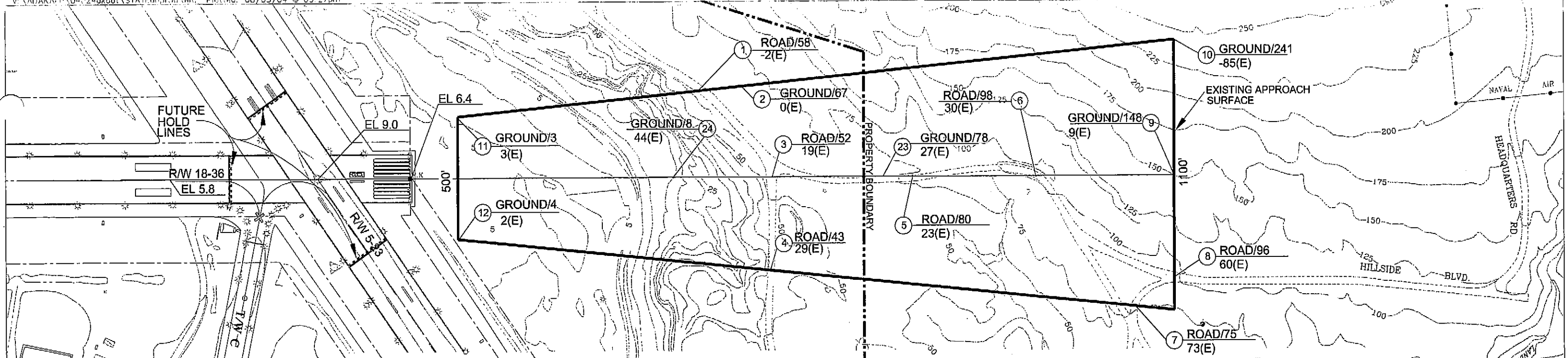
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BY: [Signature]  
DATE: 8/1/04  
AIRPORTS DIVISION  
FAA ALASKA REGION, AAL-601  
AIRSPACE REVIEW 03AAL-184NRA

ADAK AIRPORT LAYOUT PLAN  
PREPARED FOR STATE OF ALASKA  
APPROVED: [Signature] DATE: 8/1/04  
REGIONAL CHIEF

**VARIES CONSULTANTS LTD.**  
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DRAWN BY: VICKI COLEMAN DWG: STATEAPPR5\_23  
CHECKED BY: CASEY MADDEN DATE: Jul 26, 2004

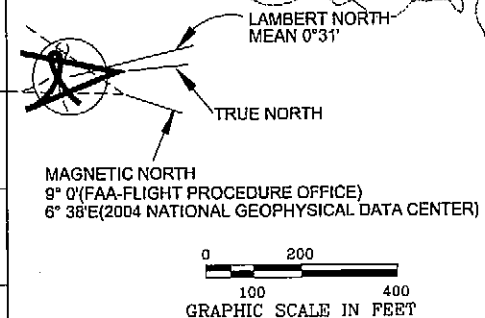
**ADAK AIRPORT  
INNER PORTION APPROACH SURFACE  
RUNWAY 23  
ADAK, ALASKA**

SHEET  
**6**  
OF  
**10**



**RUNWAY 18 APPROACH SURFACE**

RUNWAY 18 OBSTRUCTION DATA				
No.	DESCRIPTION	TOP ELEV	APPROACH SURFACE PENETRATION	DISPOSITION OF OBSTRUCTION
①	ROAD+15'	73'	-16(E)	TO REMAIN
③	ROAD+15'	67'	NO	
④	ROAD+15'	58'	NO	
⑤	ROAD+15'	95'	NO	
⑥	ROAD+15'	113'	NO	
⑦	ROAD+15'	90'	NO	
⑧	ROAD+15'	111'	NO	
⑩	GROUND	241'	-85(E)	TO REMAIN



SURFACE FEATURES AND TOPOGRAPHY TAKEN FROM DRAWINGS PREPARED BY AEROMAP U.S. FROM 1991 PHOTOGRAPHY

DATUM'S

HORIZONTAL:

MAPPING IS BASED ON LOCAL NAVY ADAK GRID SYSTEM 1944 DATUM, ALASKA STATE GRID SYSTEM ZONE 10, NOAA 1972. ALL GEODETIC COORDINATES AND BEARINGS ARE BASED ON NAD 83 AS FOUND ON LCMF'S 1996 RECORD SURVEY OF THE ADAK AIRPORT (ARD 96-30).

VERTICAL:

CONTOUR MAPPING IS BASED ON U.S.E.D. 1944, MLLW=0.00. WRITTEN ELEVATIONS CONTAINED HEREIN ARE ADJUSTED TO NGVD 29, MSL=0.00. BY SUBTRACTING 2.29 FEET FROM MAPPING ELEVATIONS OR WERE TAKEN DIRECTLY FROM LCMF'S RECORD SURVEY OF THE ADAK AIRPORT (ARD 96-30) WHICH IS BASED ON NGVD 29, MSL=0.00

**LEGEND**

- ② FEATURE/ELEVATION
- VERTICAL CLEARANCE TO EXISTING (E) APPROACH SURFACE
- P.P. POWER POLE
- L.P. LIGHT POLE
- T/W TAXIWAY
- R/W RUNWAY

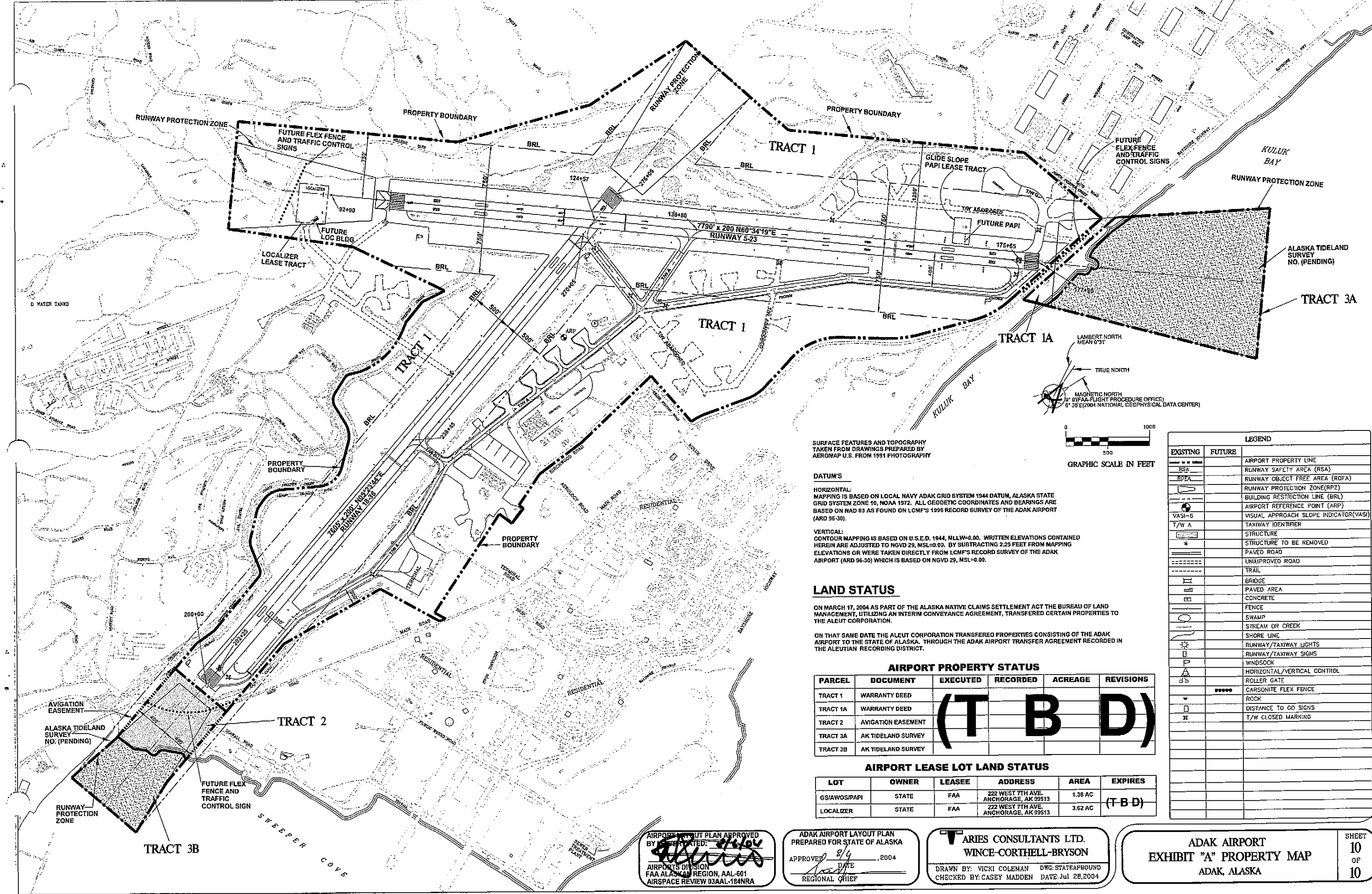
AIRPORT LAYOUT PLAN APPROVED BY THE FAA  
APPROVED: [Signature]  
DATE: 8/6/04  
AIRPORT DIVISION  
FAA ALASKAN REGION, AAL-601  
AIRSPACE REVIEW 03AAL-184NRA

ADAK AIRPORT LAYOUT PLAN PREPARED FOR STATE OF ALASKA  
APPROVED: [Signature]  
DATE: 8/6/04  
REGIONAL CHIEF









SURFACE FEATURES AND TOPOGRAPHY  
TAKEN FROM DRAWINGS PREPARED BY  
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(ARD 96-30).

VERTICAL:  
CONTOUR MAPPING IS BASED ON U.S.E.D. 1944, MLLW=0.00. WRITTEN ELEVATIONS CONTAINED  
HEREIN ARE ADJUSTED TO NGVD 29, MSL=0.00, BY SUBTRACTING 2.29 FEET FROM MAPPING  
ELEVATIONS OR WERE TAKEN DIRECTLY FROM LCMF'S RECORD SURVEY OF THE ADK  
AIRPORT (ARD 96-30) WHICH IS BASED ON NGVD 29, MSL=0.00.

LAND STATUS

ON MARCH 17, 2004 AS PART OF THE ALASKA NATIVE CLAIMS SETTLEMENT ACT THE BUREAU OF LAND  
MANAGEMENT, UTILIZING AN INTERIM CONVEYANCE AGREEMENT, TRANSFERRED CERTAIN PROPERTIES TO  
THE ALEUT CORPORATION.

ON THAT SAME DATE THE ALEUT CORPORATION TRANSFERRED PROPERTIES CONSISTING OF THE ADK  
AIRPORT TO THE STATE OF ALASKA. THROUGH THE ADK AIRPORT TRANSFER AGREEMENT RECORDED IN  
THE ALEUTIAN RECORDING DISTRICT.

AIRPORT PROPERTY STATUS

PARCEL	DOCUMENT	EXECUTED	RECORDED	ACREAGE	REVISIONS
TRACT 1	WARRANTY DEED				
TRACT 1A	WARRANTY DEED				
TRACT 2	AVIGATION EASEMENT				
TRACT 3A	AK TIDELAND SURVEY				
TRACT 3B	AK TIDELAND SURVEY				

AIRPORT LEASE LOT LAND STATUS

LOT	OWNER	LEASSEE	ADDRESS	AREA	EXPIRES
GS/ANOS/PAPI	STATE	FAA	222 WEST 7TH AVE. ANCHORAGE, AK 99513	1.38 AC	
LOCALIZER	STATE	FAA	222 WEST 7TH AVE. ANCHORAGE, AK 99513	3.62 AC	

LEGEND	
EXISTING	FUTURE

AIRPORT LAYOUT PLAN APPROVED  
BY:   
DATE: 8/4/04  
AIRPORTS DIVISION  
FAA ALASKA REGION, AAL-601  
AIRSPACE REVIEW 03AAL-184NRA

ADAK AIRPORT LAYOUT PLAN  
PREPARED FOR STATE OF ALASKA  
APPROVED: 8/4/04  
DATE: 8/4/04  
REGIONAL CHIEF

VARIES CONSULTANTS LTD.  
WINCE-CORTHELL-BRYSON  
DRAWN BY: VICKI COLEMAN  
CHECKED BY: CASEY MADDEN  
DATE: Jul 26, 2004

ADAK AIRPORT  
EXHIBIT "A" PROPERTY MAP  
ADAK, ALASKA  
SHEET  
10  
OF  
10