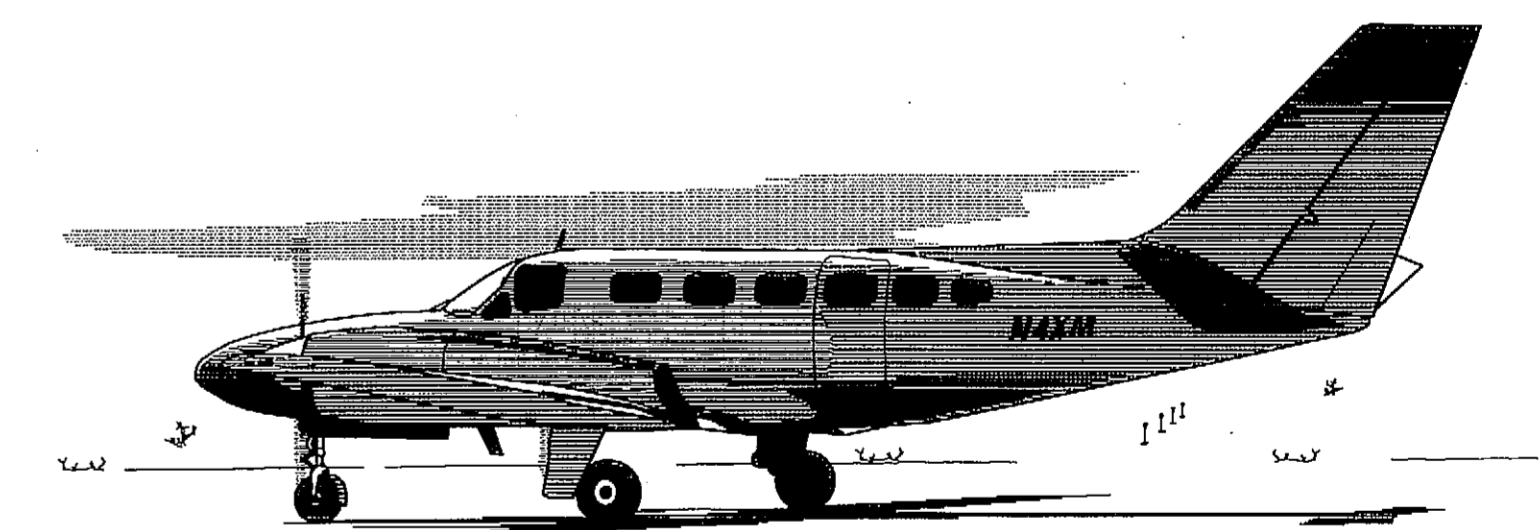


AIRPORT LAYOUT PLAN FOR CHENEGA BAY AIRPORT

~~2004~~

DRAWING INDEX

- 1 - COVER SHEET AND INDEX
- 2 - REGIONAL MAP, VICINITY MAP AND DATA TABLES
- 3 - AIRPORT PLAN
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- 5 - R/W 16 INNER PORTION OF THE APPROACH SURFACE PLAN
- 6 - R/W 16 INNER PORTION OF THE APPROACH SURFACE PROFILE
- 7 - R/W 34 INNER PORTION OF THE APPROACH SURFACE PLAN
- 8 - R/W 34 INNER PORTION OF THE APPROACH SURFACE PROFILE
- 9 - F.A.R. PART 77 AIRPORT AIRSPACE PLAN
- 10 - PROPERTY PLAN
- 11 - PROPERTY PLAN
- 12 - PROPERTY PLAN



BY	DATE	REVISION
AS-BUILT	2007	

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

CONCUR *Gordon C. Keith* **DATE** 6/4/04
GORDON C. KEITH **CONSTRUCTION & OPERATIONS DIRECTOR**

APPROVED *Robert A. Campbell* **DATE** 6-4-04
ROBERT A. CAMPBELL, P.E. **REGIONAL PRECONSTRUCTION ENGINEER**

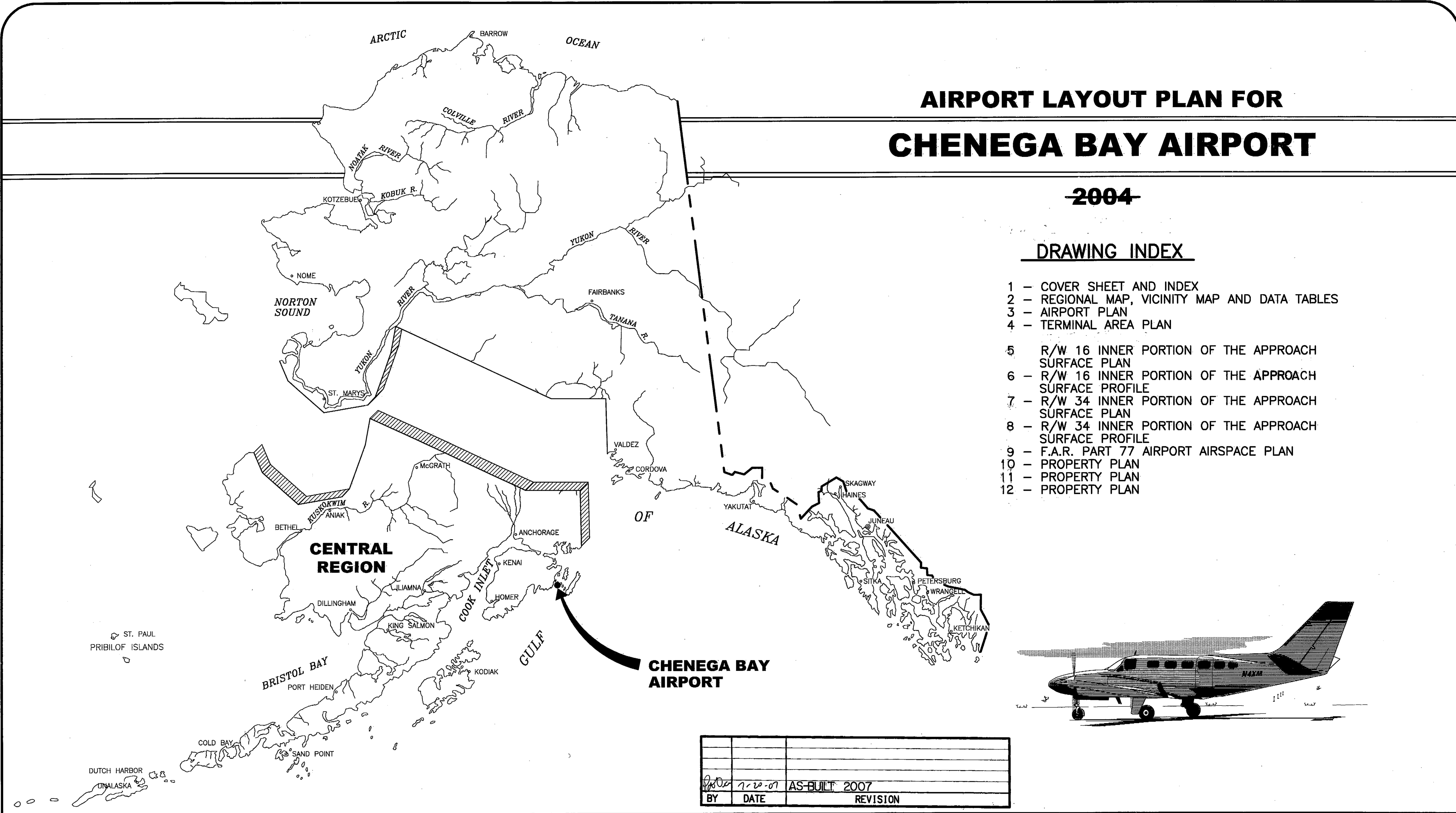
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SUBJECT TO AIP APPROVAL LETTER DATED 6/8/04
By: *Robert A. Campbell* DATE: 6/8/04
FAA AIRPORTS DIVISION
ALASKAN REGION, AAL-600

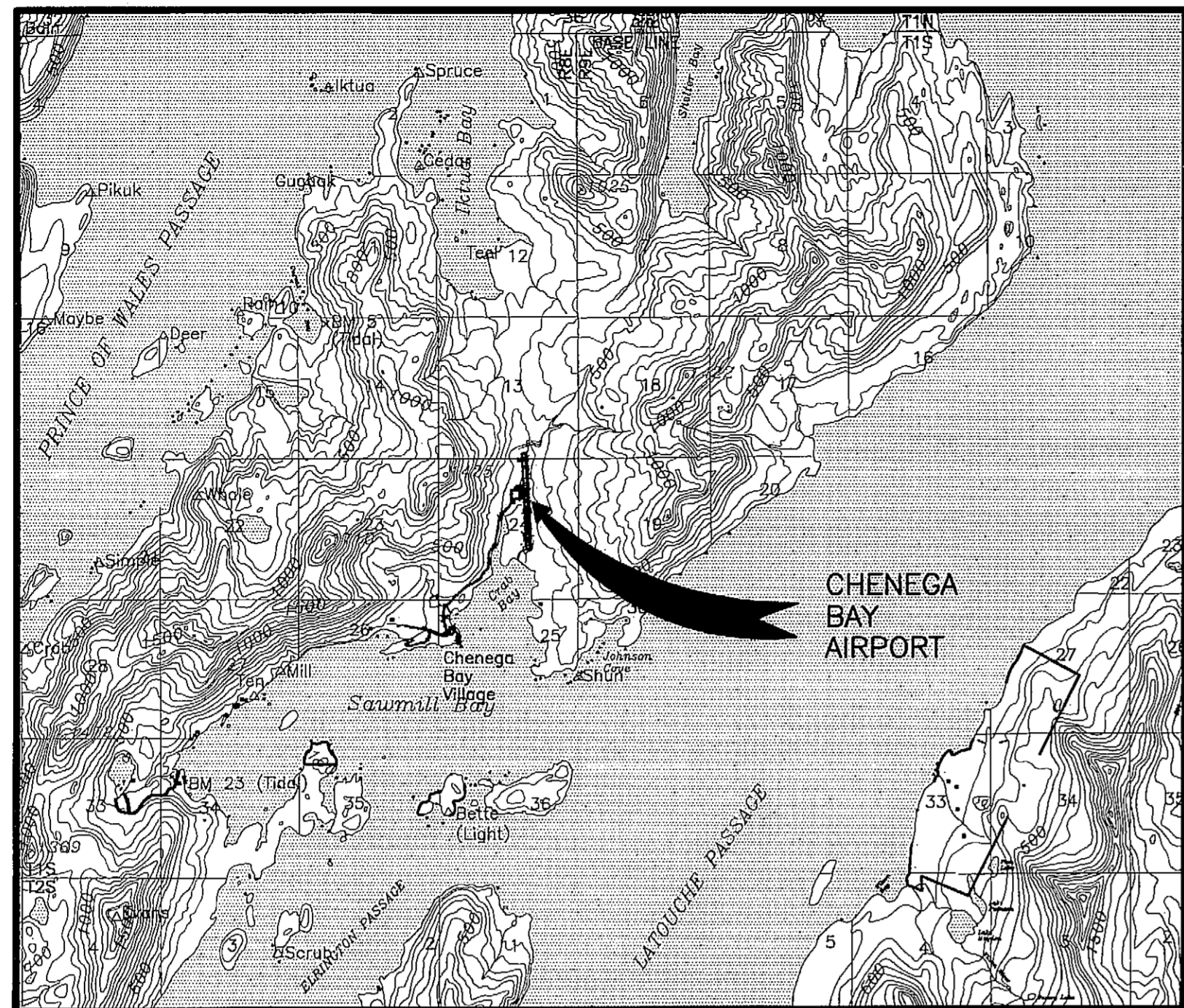
F.A.A. AIRSPACE REVIEW NUMBER:
04-AAL-056NRA

**CHENEGA BAY AIRPORT
AIRPORT LAYOUT PLAN**

SHEET 1 OF 12

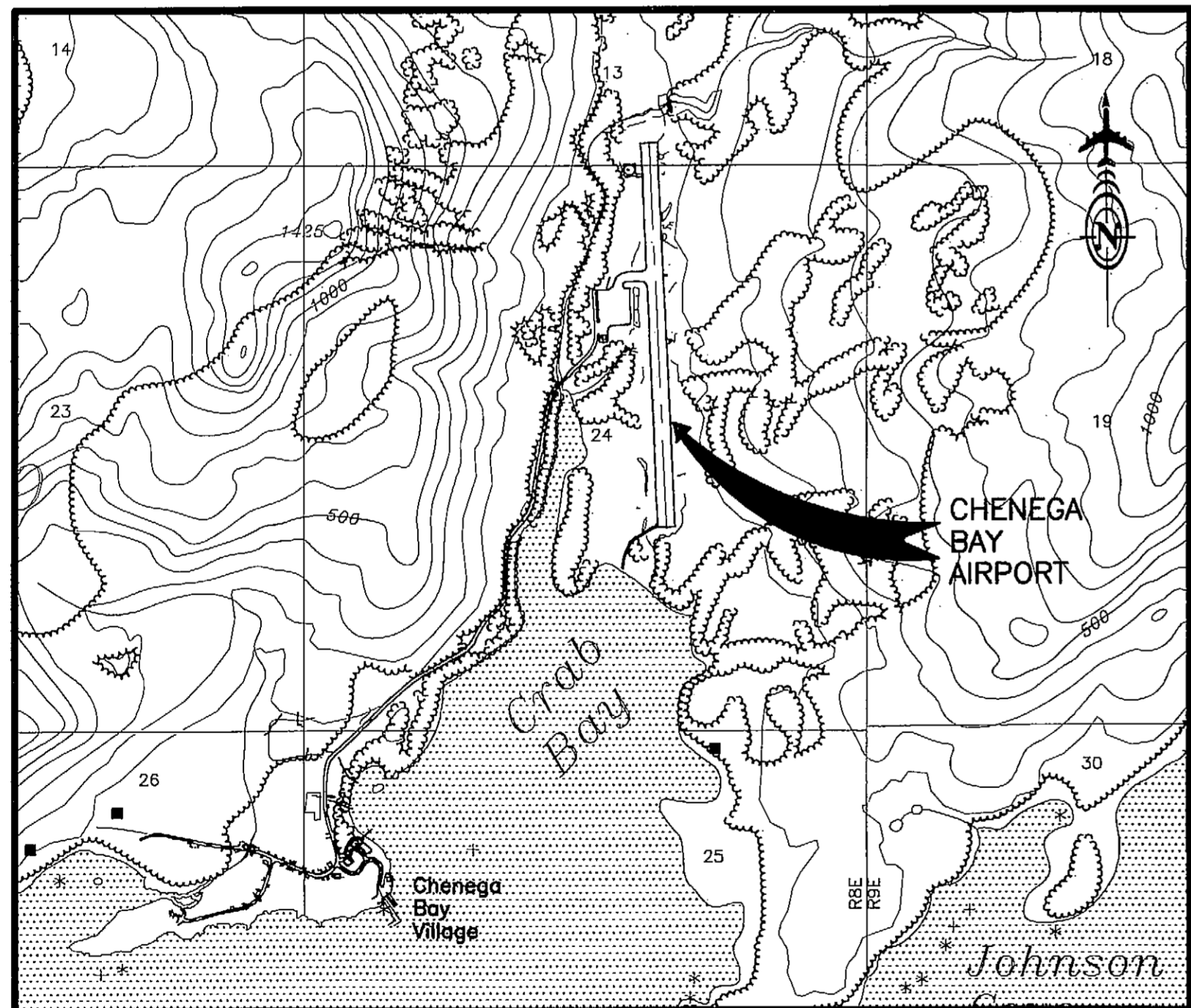
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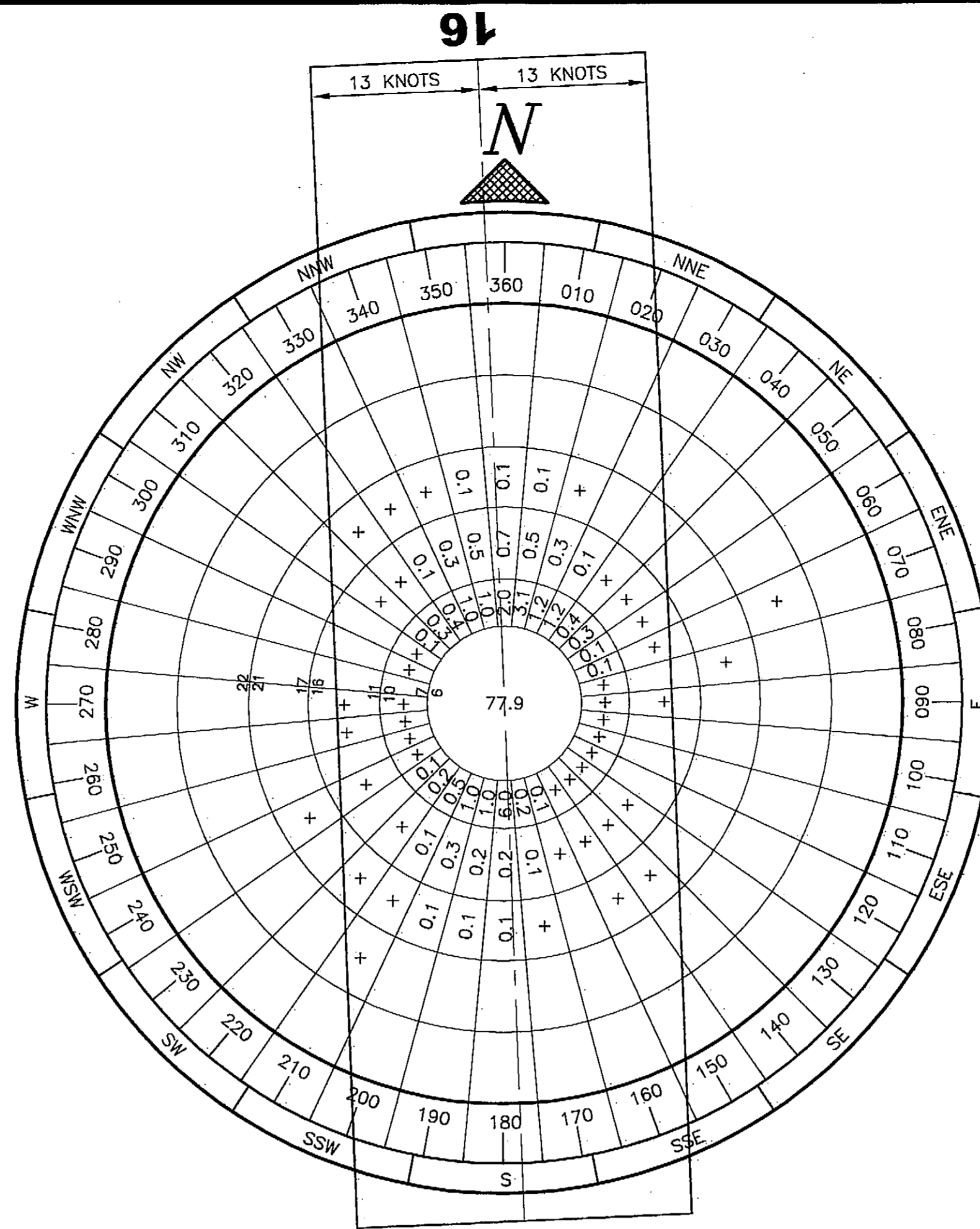
REGIONAL MAP

1"=1 MILE
T 1 S, R 8 E, SEC. 13 AND 24
SEWARD MERIDIAN
U.S.G.S. SEWARD (A-3), ALASKA



VICINITY MAP

1"=1/4 MILE
T 1 S, R 8 E, SEC. 13 AND 24
SEWARD MERIDIAN
U.S.G.S. SEWARD (A-3), ALASKA



WIND DATA

WIND COVERAGE: SPEED R/W 16/34 R/W / TOTAL
13 KNOTS 100.00% 100.00%

SOURCE: ENVIRONMENT AND NATURAL RESOURCE INSTITUTE
UNIVERSITY OF ALASKA ANCHORAGE

PERIOD: 05/1991 - 05/1992

NON-STANDARD CONDITIONS

ITEM	EXISTING	STANDARD	ULTIMATE
NONE			

BASIC DATA TABLE

RUNWAY DATA

ITEM	RUNWAY 16/34		RUNWAY /	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
EFFECTIVE GRADE	0.37%	0.37%		
% WIND COVERAGE	13 KNOTS	100%		
INSTRUMENT RUNWAY	NONE	NONE		
RUNWAY SURFACE	GRAVEL	GRAVEL		
PAVEMENT STRENGTH	lbs. N/A	N/A		
APPROACH SURFACES	20:1	20:1		
VISIBILITY MINIMUM	1 MILE	1 MILE		
RUNWAY LIGHTING	M.I.	M.I.		
RUNWAY MARKING	NONE	NONE		
RUNWAY NAVIGATION AIDS	NONE	REIL, PAPI (34)		
AIRCRAFT APPROACH CATEGORY	B	B		
AIRPLANE DESIGN GROUP	II	II		
RUNWAY TYPE	UTILITY	UTILITY		
FAR PART 77 APPROACH CATEGORY	V	V		
RUNWAY SAFETY AREA DIMENSION	150'x3600'	150'x3900'		
RUNWAY DIMENSION	75'x3000'	75'x3300'		
RUNWAY OBJECT FREE AREA DIMENSION	500'x3600'	500'x3900'		
" " OFA LENGTH BEYOND R/W END	300'	300'		
RUNWAY OBSTACLE FREE ZONE DIMENSION	250'x3400'	250'x3700'		
RUNWAY PROTECTION ZONE DIMENSION	INNER 500'	500'		
	OUTER 700'	700'		
	LENGTH 1,000'	1,000'		
RUNWAY END COORDINATES (N.A.D. 83)				
THRESHOLD (R/W 16)	LAT. 60°04'57.58"N	60°04'57.58"N		
	LONG. 147°59'42.42"W	147°59'42.42"W		
THRESHOLD (R/W 34)	LAT. 60°04'28.06"N	60°04'25.11"N		
	LONG. 147°59'39.67"W	147°59'39.40"W		

AIRPORT DATA

ITEM	EXISTING	EXISTING
FAA [ICAO] AIRPORT IDENTIFIER	C05	C05
AIRPORT ELEVATION (M.S.L.)	68.5	69.7
AIRPORT REFERENCE POINT (A.R.P.) (NAD 83)		LAT. 60° 04' 41" N LONG. 147° 59' 41" W
TAXIWAY LIGHTING	NONE	M.I.
TAXIWAY MARKING	NONE	NONE
RAMP LIGHTING	NONE	NONE
MEAN MAX. TEMPERATURE, HOTTEST MONTH (JULY)	60°F	60°F
MAGNETIC DECLINATION (12/31/2004)	21°37'E	-0°13' PER YR
AIRPORT REFERENCE CODE	II	B-II
AIRPORT AND TERMINAL NAVIGATION AIDS	NONE	ROTATING BEACON
SURVEY SOURCE AND TYPE	NAME	AV
FAA SITE No.		50098.7*A

LEGEND

ITEM	EXISTING	ULTIMATE
PROPERTY LINE	---	---
BUILDING RESTRICTION LINE (BRL)	---	---
THRESHOLD MARKERS	--- ---	--- ---
AIRPORT REFERENCE POINT (A.R.P.)	⊙	⊙
WIND CONE AND SEGMENTED CIRCLE	⊙	⊙
WINDCONE	⊙	⊙
CONTOURS	---	---
ROADWAYS	---	---
BUILDINGS	■	■
ROTATING BEACON	⊙	⊙
SHORELINE	---	---
ANTENNA	⊙	⊙
PAPI	■ ■ ■ ■	□ □ □ □
BLUFF	---	---
FENCE	---	---
MALSF	---	---
REIL	---	---
TREES	⊙	⊙
TREE (OBSTRUCTION)	⊙	⊙

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
SUBJECT TO ALP APPROVAL LETTER DATED: 6/16/04

By: *J. T. Smith* DATE: 6/16/04

FAA AIRPORTS DIVISION
ALASKAN REGION, AAL-600

F.A.A. AIRSPACE REVIEW NUMBER: 04-AAL-056NRA

BY	DATE	REVISIONS
AS-BUILT		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

APPROVED: *Stephen M. Ryan, P.E.* DESIGN SECTION CHIEF

APPROVED: *Gary E. Lincoln, P.E.* PROJECT MANAGER

DATE: 6/14/04

DESIGN: *AS*

DRAWN: *AS*

CHECKED: *AL*

CHENEGBAY AIRPORT

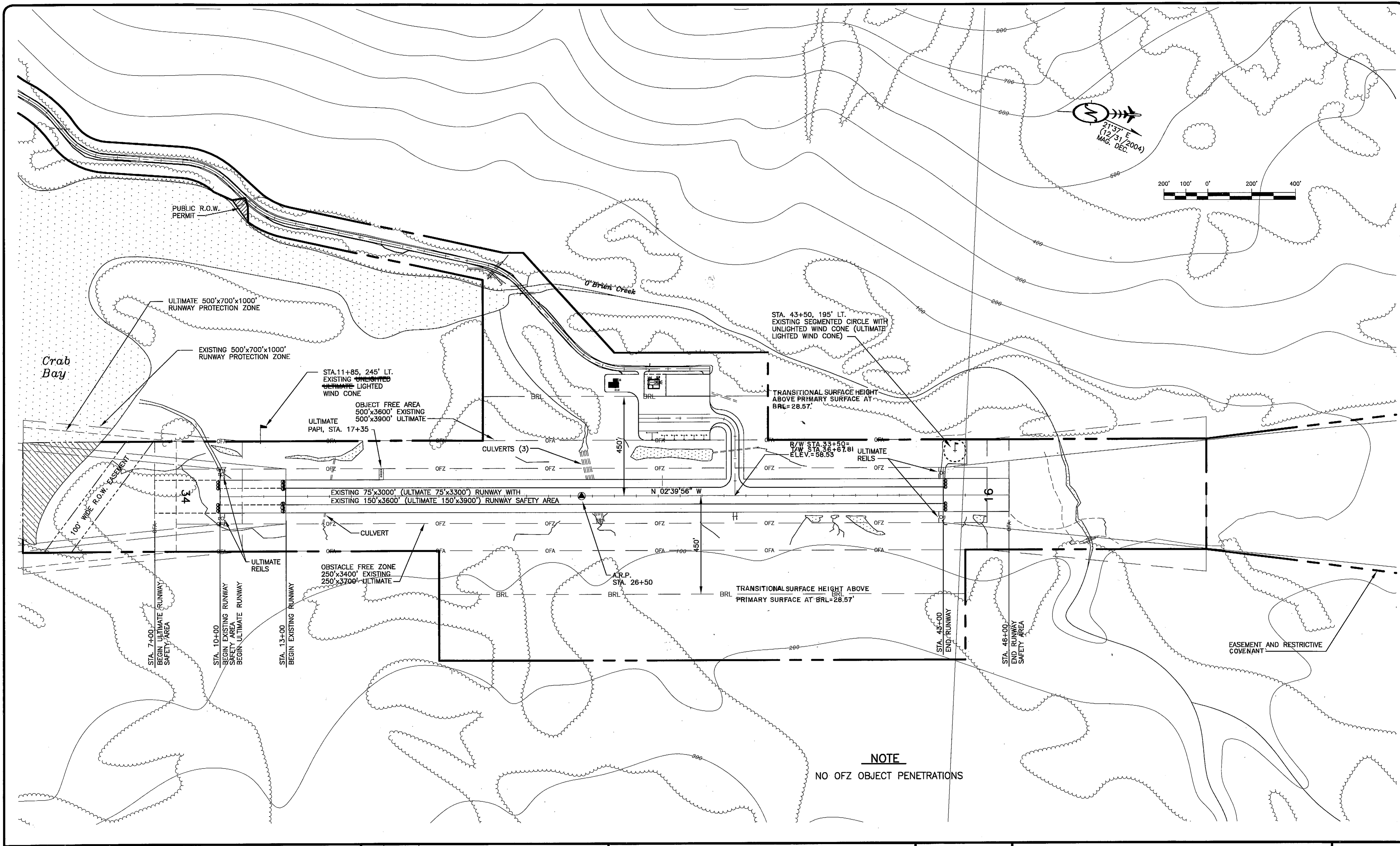
AIRPORT LAYOUT PLAN

REGIONAL MAP, VICINITY MAP AND DATA TABLES

SHEET
2
OF
12

Date Plotted: 05/24/04
Plot Ratio and Layout: 1"=1/4 MILE
File: W:\Projects\Chenege Bay\ALP\Final Drawings\2004 ALP\Alp.dwg

Date Plotted: 05/24/04
 Plot Ratio and Layout: 1"=1' Layout=Plan
 File: W:\Projects\Chenega Bay\ALP\Final Drawings\2004_ALP.dwg



NOTE
 NO OFZ OBJECT PENETRATIONS

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
 SUBJECT TO ALP APPROVAL LETTER DATED 6/16/04
 By: *[Signature]* DATE: 6/16/04
 FAA, AIRPORTS DIVISION
 ALASKAN REGION, AAL-800
 F.A.A. AIRSPACE REVIEW NUMBER: 04-AAL-056NRA

BY	DATE	REVISIONS
AS-BUILT		

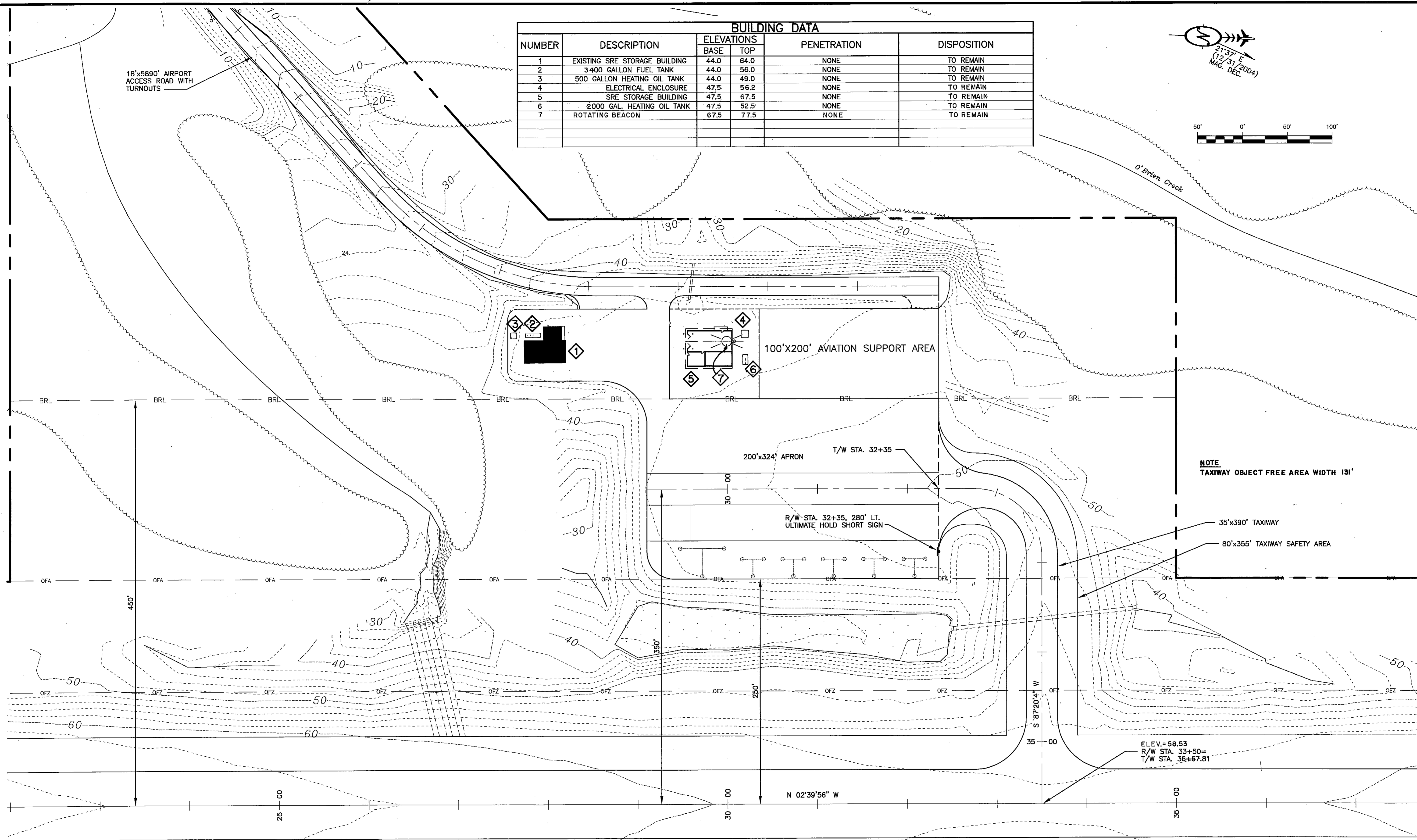
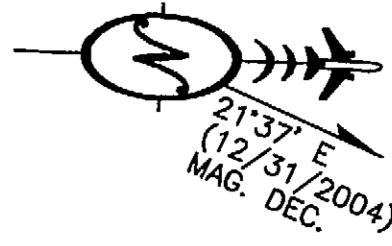
STATE OF ALASKA
**DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES**
 CENTRAL REGION
 APPROVED: *[Signature]* DESIGN SECTION CHIEF
 STEPHEN M. RYAN, P.E.
 APPROVED: *[Signature]* PROJECT MANAGER
 GARY E. LINCOLN, P.E.

DATE 6/4/04
 DESIGN *[Signature]*
 DRAWN *[Signature]*
 CHECKED *[Signature]*

CHENEGA BAY AIRPORT
 AIRPORT LAYOUT PLAN
 AIRPORT PLAN

SHEET
 3
 OF
 12

BUILDING DATA						
NUMBER	DESCRIPTION	ELEVATIONS		PENETRATION	DISPOSITION	
		BASE	TOP			
1	EXISTING SRE STORAGE BUILDING	44.0	64.0	NONE	TO REMAIN	
2	3400 GALLON FUEL TANK	44.0	56.0	NONE	TO REMAIN	
3	500 GALLON HEATING OIL TANK	44.0	49.0	NONE	TO REMAIN	
4	ELECTRICAL ENCLOSURE	47.5	56.2	NONE	TO REMAIN	
5	SRE STORAGE BUILDING	47.5	67.5	NONE	TO REMAIN	
6	2000 GAL. HEATING OIL TANK	47.5	52.5	NONE	TO REMAIN	
7	ROTATING BEACON	67.5	77.5	NONE	TO REMAIN	



NOTE
TAXIWAY OBJECT FREE AREA WIDTH 131'

35'x390' TAXIWAY
80'x355' TAXIWAY SAFETY AREA

ELEV. = 58.53
R/W STA. 33+50=
T/W STA. 36+67.81

Date Plotted: 05/24/04
 Plot Ratio and Layout: 1"=100'
 File: W:\Projects\Chenega Bay\ALP\Final Drawings\2004 ALP\ALP.dwg

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
 SUBJECT TO ALP APPROVAL LETTER DATED 6/18/04
 By: [Signature] DATE: 6/18/04
 FAA, AIRPORTS DIVISION
 ALASKAN REGION, AAL-600
 F.A.A. AIRSPACE REVIEW NUMBER: 04-AAL-056NRA

BY	DATE	REVISIONS
AS-BUILT		

STATE OF ALASKA
**DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES**
 CENTRAL REGION

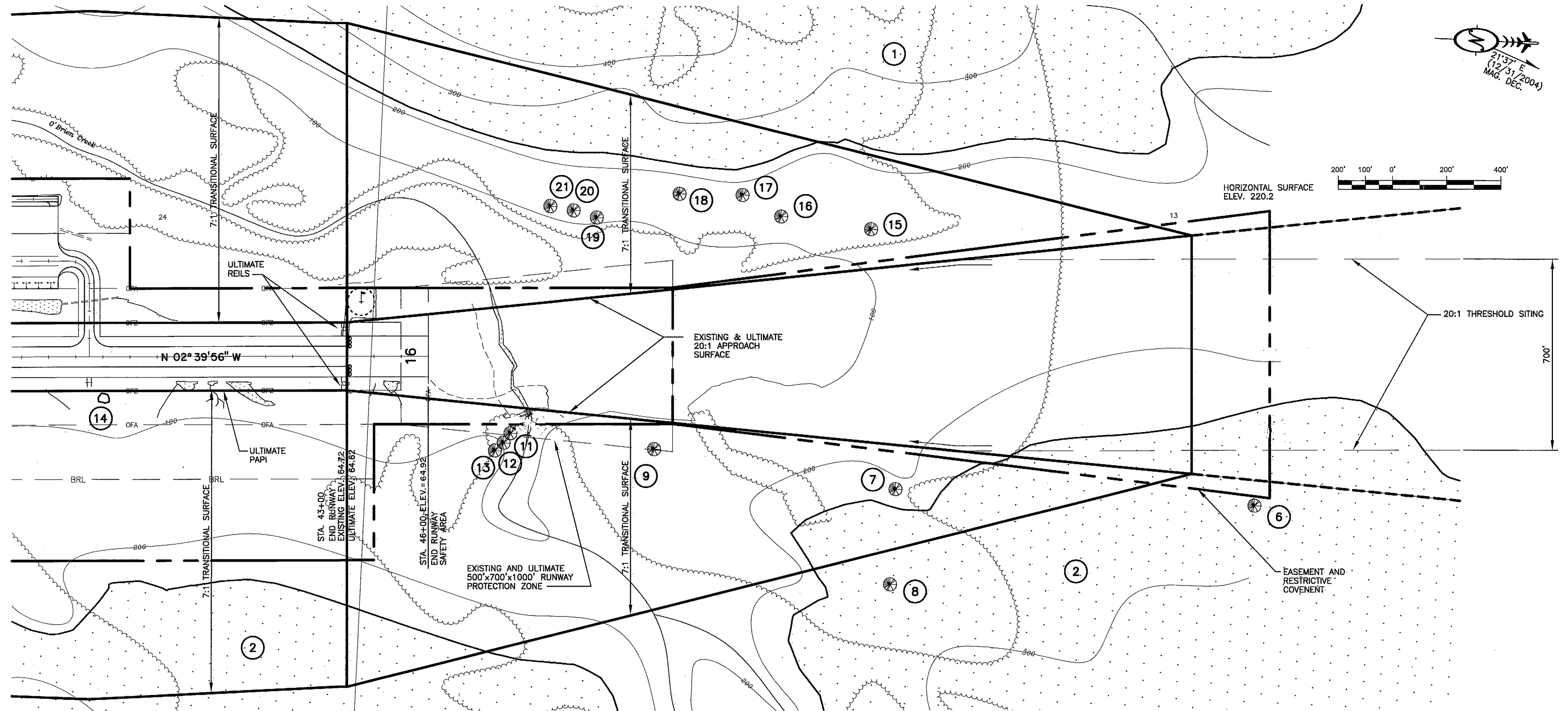
APPROVED: [Signature] DESIGN SECTION CHIEF
 STEPHEN M. RYAN, P.E.
 APPROVED: [Signature] PROJECT MANAGER
 GARY E. LINCOLN, P.E.

DATE: 6/4/04
 DESIGN: [Signature]
 DRAWN: [Signature]
 CHECKED: [Signature]

CHENEGA BAY AIRPORT
 AIRPORT LAYOUT PLAN
 TERMINAL AREA PLAN

SHEET
 4
 OF
 12

Date Plotted: 05/24/04
 Plot Ratio and Layout: 1"=110' layout-RW 16 Plan
 File: W:\Projects\Chenega Bay ALP\Final Drawings\2004 ALP V04.dwg



THRESHOLD SITING OBSTRUCTION TABLE						
NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION	SURFACES PENETRATED	DISPOSITION
2	VARIABLES	VARIABLES	VARIABLES	TERRAIN	R/W 16 THRESHOLD SITING	NO CHANGE**
5	76+82	278' RT.	269'	TREE TOP	R/W 16 THRESHOLD SITING	TO BE REMOVED

** REMOVAL OF THIS TERRAIN IS IMPRACTICABLE

NOTE:
 1. TREE TOP ELEVATIONS WERE TAKEN DURING A FIELD SURVEY FROM OCTOBER 24, 2003 THROUGH NOVEMBER 8, 2003.
 2. THE CONTROLLING OBSTRUCTION FOR THE APPROACH TO RUNWAY 16 IS THE TERRAIN OF OBSTRUCTION #2. THE OBSTRUCTION SLOPE IS ESTABLISHED AS 15.4:1 PER FAA AC 150/5200-35, CHAP 4.

F.A.R. PART 77 OBSTRUCTION TABLE															
NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION	SURFACES PENETRATED	PENETRATION	DISPOSITION	NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION	SURFACES PENETRATED	PENETRATION	DISPOSITION
1	VARIABLES	VARIABLES	VARIABLES	TERRAIN	7:1 TRANSITIONAL, HORIZONTAL, AND CONICAL	0-1200'	NO CHANGE **	12	48+78	317' RT.	156'	TREE TOP	7:1 TRANSITIONAL	43.5'	TO BE REMOVED
2	VARIABLES	VARIABLES	VARIABLES	TERRAIN	7:1 TRANSITIONAL, HORIZONTAL, CONICAL, AND R/W 16 APPROACH	0-1100'	NO CHANGE **	13	48+46	345' RT.	172'	TREE TOP	7:1 TRANSITIONAL	56.2'	TO BE REMOVED
3*	VARIABLES	VARIABLES	VARIABLES	TERRAIN	CONICAL	0-150'	NO CHANGE **	14	34+07	152' RT.	68.0'	TERRAIN	7:1 TRANSITIONAL	5.4'	TO BE REMOVED
4	76+06	0'	230'	TREE TOP	HORIZONTAL	9.6'	TO BE REMOVED	15	62+31	462' LT.	246'	TREE TOP	7:1 TRANSITIONAL	64.2'	TO BE REMOVED
5	76+82	278' RT.	269'	TREE TOP	HORIZONTAL AND R/W 16 APPROACH	48.8', 35.6'	TO BE REMOVED	16	59+00	509' LT.	232'	TREE TOP	7:1 TRANSITIONAL	55.3'	TO BE REMOVED
6	76+44	55.3' RT.	307'	TREE TOP	HORIZONTAL	86.8'	TO BE REMOVED	17	57+58	587' LT.	252'	TREE TOP	7:1 TRANSITIONAL	69.3'	TO BE REMOVED
7	63+21	489' RT.	299'	TREE TOP	7:1 TRANSITIONAL	110.3'	TO BE REMOVED	18	55+26	592' LT.	258'	TREE TOP	7:1 TRANSITIONAL	82.8'	TO BE REMOVED
8	63+01	840' RT.	296'	TREE TOP	HORIZONTAL	75.8'	TO BE REMOVED	19	52+21	506' LT.	244'	TREE TOP	7:1 TRANSITIONAL	91.9'	TO BE REMOVED
9	54+32	341' RT.	189'	TREE TOP	7:1 TRANSITIONAL	53.2'	TO BE REMOVED	20	51+36	532' LT.	253'	TREE TOP	7:1 TRANSITIONAL	99.9'	TO BE REMOVED
10	49+26	245' RT.	169'	TREE TOP	7:1 TRANSITIONAL	65.8'	TO BE REMOVED	21	50+50	548' LT.	261'	TREE TOP	7:1 TRANSITIONAL	108.9'	TO BE REMOVED
11	49+03	282' RT.	156'	TREE TOP	7:1 TRANSITIONAL	47.4'	TO BE REMOVED								

* OBSTRUCTION NUMBER 3 IS SHOWN ON THE F.A.R. PART 77 AIRPORT AIRSPACE PLAN
 ** REMOVAL OF THIS TERRAIN IS IMPRACTICABLE

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
 SUBJECT TO ALP APPROVAL LETTER DATED 6/16/04
 By: *[Signature]* DATE: 6/16/04
 FAA AIRPORTS DIVISION
 ALASKAN REGION, AAL-600
 F.A.A. AIRSPACE REVIEW NUMBER: 04-AAL-056NRA

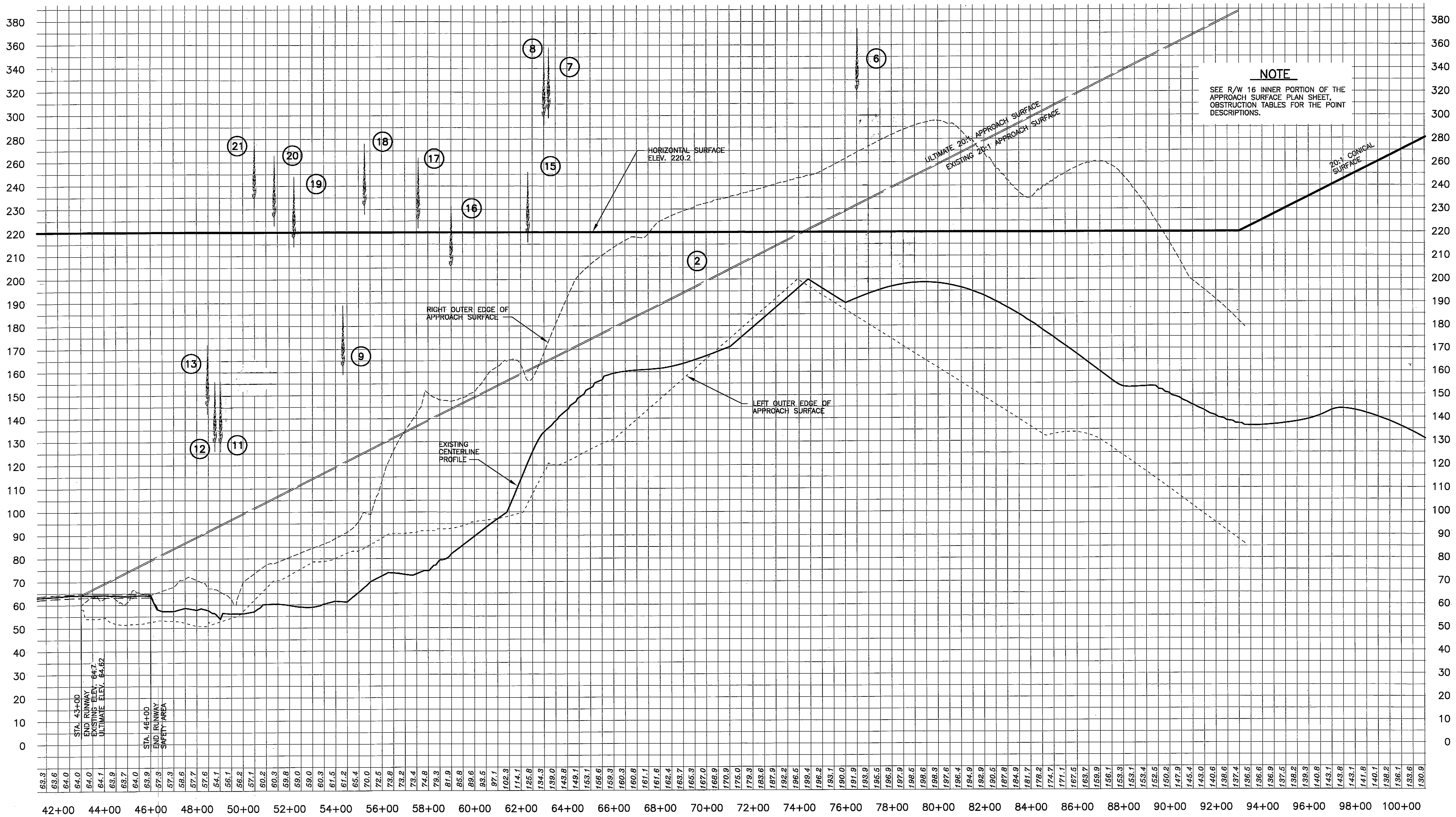
BY	DATE	REVISIONS
		AS-BUILT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 CENTRAL REGION
 APPROVED: *[Signature]* DESIGN SECTION CHIEF
 STEPHEN M. RYAN, P.E.
 APPROVED: *[Signature]* PROJECT MANAGER
 GARY E. LINCOLN, P.E.

DATE: 6/14/04
 DESIGN: *[Signature]*
 DRAWN: *[Signature]*
 CHECKED: *[Signature]*

CHENEGA BAY AIRPORT
 AIRPORT LAYOUT PLAN
 R/W 16 INNER PORTION OF THE
 APPROACH SURFACE PLAN

Date Plotted: 05/24/04
 Plot Ratio and Layout: 1"=1, layout=RW 16 Profile
 File: W:\Projects\Chenega Bay\ALP\Final Drawings\2004 ALP\pnp



AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
 SUBJECT TO ALP APPROVAL LETTER DATED 4/18/04

By: [Signature] DATE: 4/18/04

FAA, AIRPORTS DIVISION
 ALASKAN REGION, AAL-600

F.A.A. AIRSPACE REVIEW NUMBER: 04-AAL-056NRA

BY	DATE	REVISIONS
AS-BUILT		

STATE OF ALASKA
**DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES**
 CENTRAL REGION

APPROVED: [Signature] DESIGN SECTION CHIEF
 STEPHEN M. RYAN, P.E.

APPROVED: [Signature] PROJECT MANAGER
 GARY E. LINCOLN, P.E.

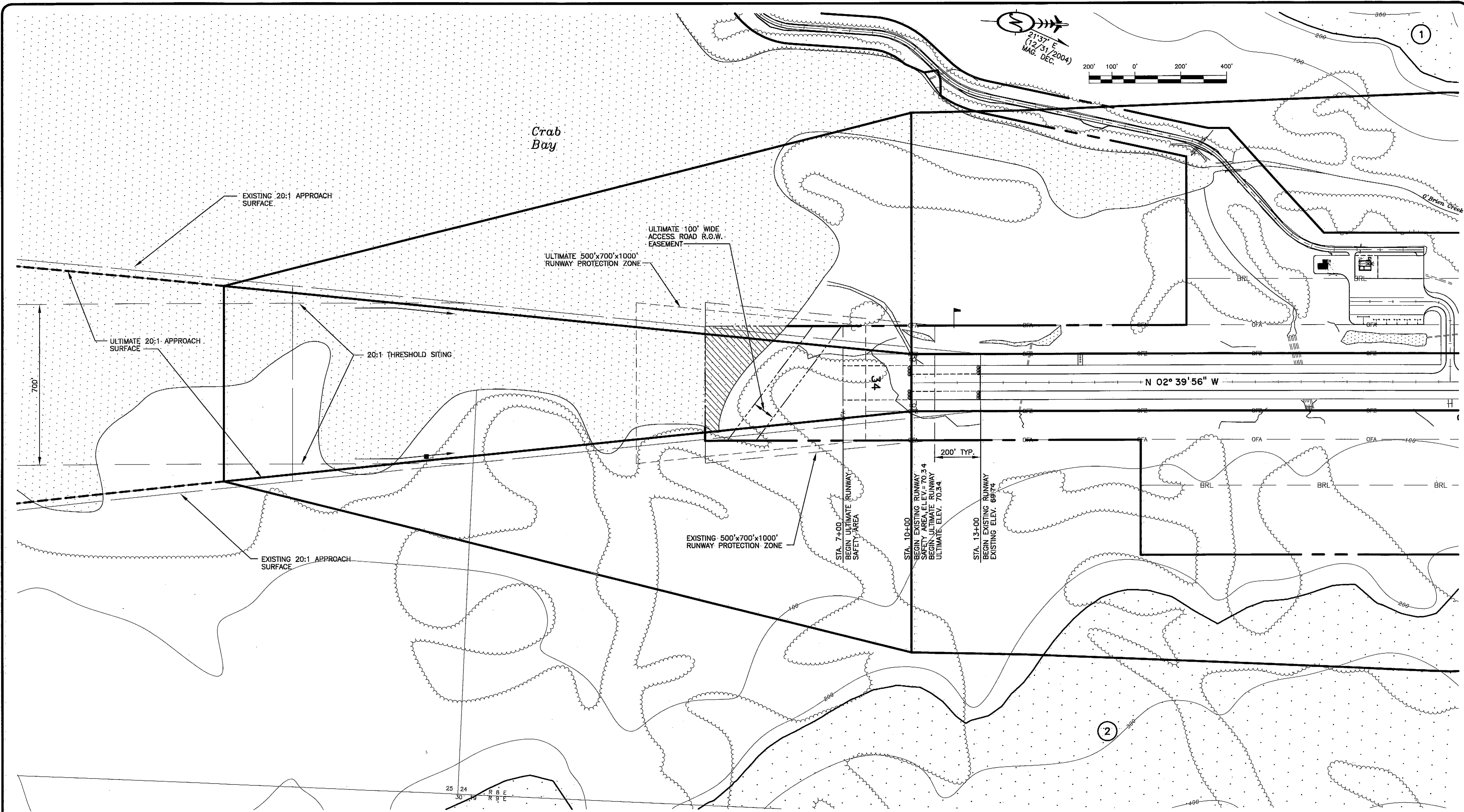
DATE 6/4/04
 DESIGN [Signature]
 DRAWN [Signature]
 CHECKED [Signature]

CHENEGA BAY AIRPORT

AIRPORT LAYOUT PLAN
 RUNWAY 16 INNER PORTION OF THE
 APPROACH SURFACE PROFILE

SHEET
6
 OF
 12

Date Plotted: 05/24/04
 Plot Ratio and Layout: 1=1, layout=RW 34 Plan
 File: W:\Projects\Chenega Bay\ALP\Final Drawings\2004 ALP\Unp



F.A.R. PART 77 OBSTRUCTION TABLE							
NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION	SURFACES PENETRATED	PENETRATION	DISPOSITION
1	VARIES	VARIES	VARIES	TERRAIN	7:1 TRANSITIONAL, HORIZONTAL, AND CONICAL	VARIES	NO CHANGE **
2	VARIES	VARIES	VARIES	TERRAIN	7:1 TRANSITIONAL, HORIZONTAL, CONICAL, & R/W 16 APPROACH	VARIES	NO CHANGE **

NOTES:
 1. NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS
 2. THERE ARE NO OBSTRUCTIONS IN THE APPROACH TO RUNWAY 34, THEREFORE THE OBSTRUCTION CLEARANCE SLOPE IS ESTABLISHED AS 50:1 PER FAA AC 150/5200-35, CHAPTER 4.
 ** REMOVAL OF THE TERRAIN IS IMPRACTICABLE

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
 SUBJECT TO ALP APPROVAL LETTER DATED 4/16/04
 By: [Signature] DATE: 6/16/04
 FAA, AIRPORTS DIVISION
 ALASKAN REGION, AAL-600
 F.A.A. AIRSPACE REVIEW NUMBER: 04-AAL-056NRA

BY	DATE	REVISIONS
		AS-BUILT

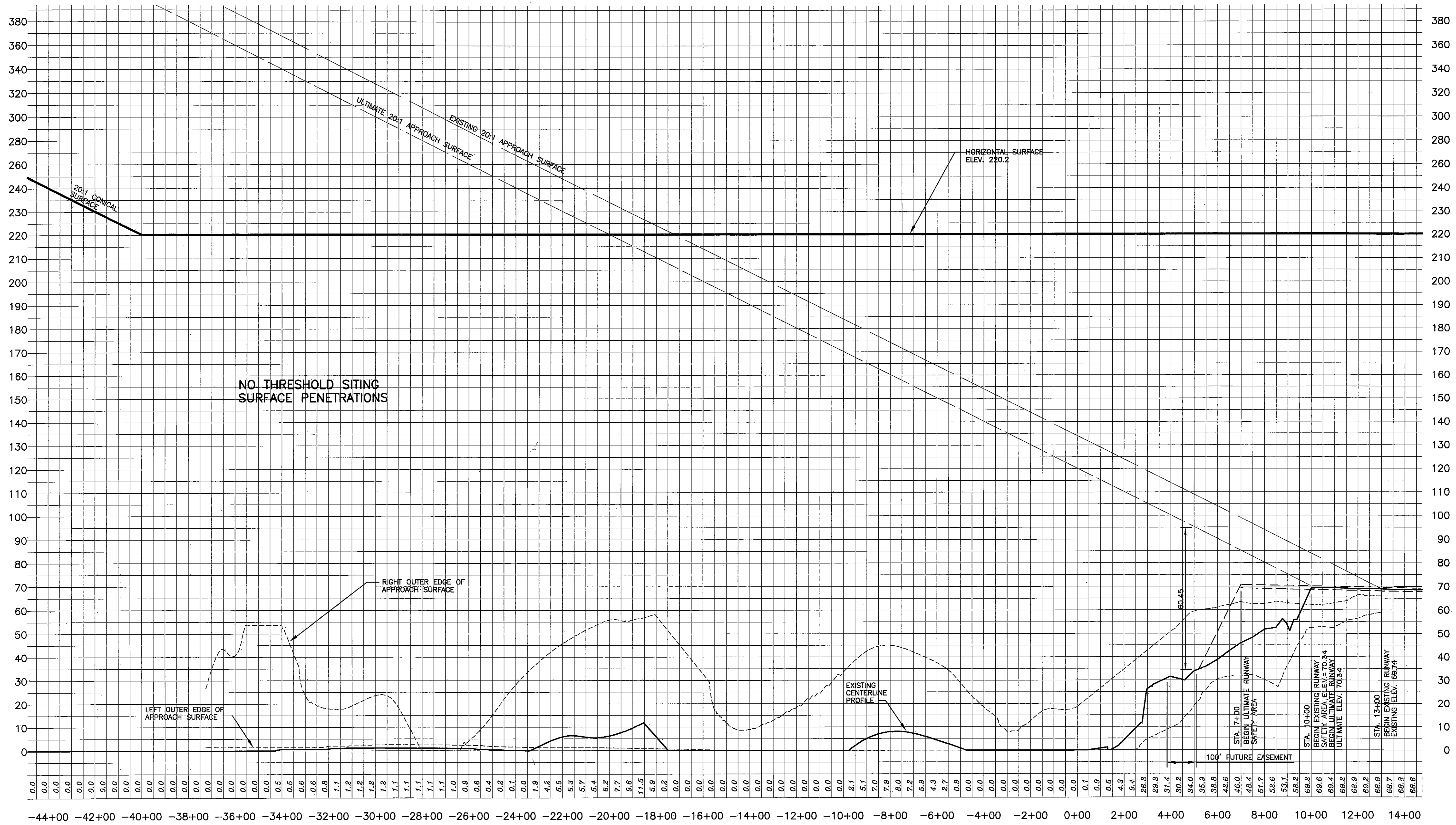
STATE OF ALASKA
**DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES**
 CENTRAL REGION
 APPROVED: [Signature] DESIGN SECTION CHIEF
 STEPHEN M. RYAN, P.E.
 APPROVED: [Signature] PROJECT MANAGER
 GARY E. LINCOLN, P.E.

DATE: 6/14/04
 DESIGN: [Signature]
 DRAWN: [Signature]
 CHECKED: [Signature]

CHENEGA BAY AIRPORT
 AIRPORT LAYOUT PLAN
 R/W 34 INNER PORTION OF THE
 APPROACH SURFACE PLAN

SHEET
 7
 OF
 12

Date Plotted: 05/24/04
 Plot Ratio and Layout: 1=1, Layout=RW 34, Profile
 File: W:\Projects\Chenega Bay\ALP\Final Drawings\2004 ALP\pnp



AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
 SUBJECT TO AIP APPROVAL LETTER DATED 6/12/04
 By: [Signature] DATE: 6/18/04
 FAA, AIRPORTS DIVISION
 ALASKAN REGION, AAL-800
 F.A.A. AIRSPACE REVIEW NUMBER: 04-AAL-056NRA

BY	DATE	AS-BUILT	REVISIONS

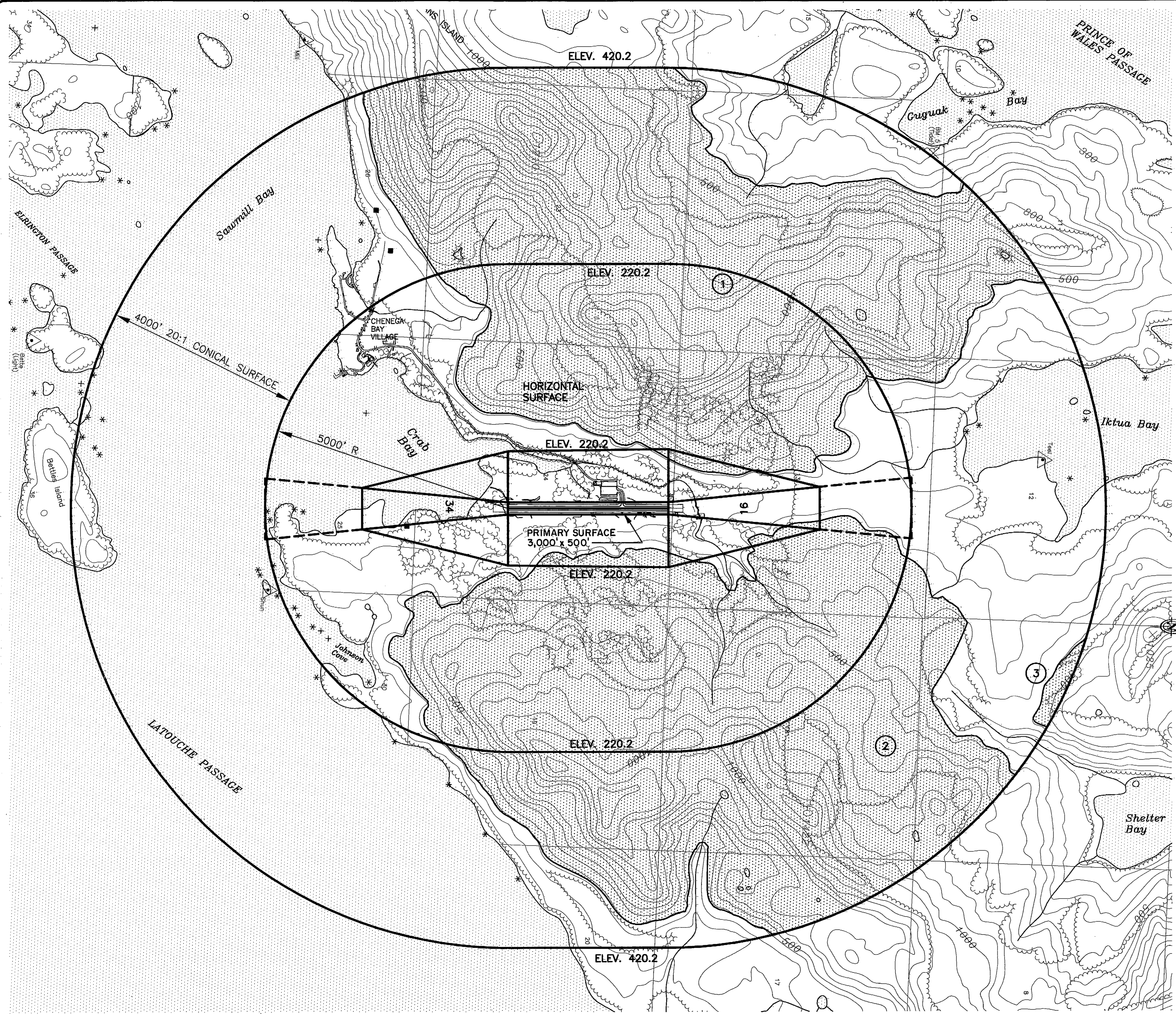
STATE OF ALASKA
**DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES**
 CENTRAL REGION
 APPROVED: [Signature] DESIGN SECTION CHIEF
 STEPHEN M. RYAN, P.E.
 APPROVED: [Signature] PROJECT MANAGER
 GARY E. LINCOLN, P.E.

DATE: 6/4/04
 DESIGN: [Signature]
 DRAWN: [Signature]
 CHECKED: [Signature]

CHENEGA BAY AIRPORT
 AIRPORT LAYOUT PLAN
 RUNWAY 34 INNER PORTION OF THE
 APPROACH SURFACE PROFILE

SHEET
 8
 OF
 12

Date Plotted: 05/24/04
 Plot Ratio and Layout: 1=1
 File: W:\Projects\Chenega Bay ALP\Final Drawings\2004 ALP Part 77
 Designed By: daveb
 Checked By: daveb
 Drawn By: daveb



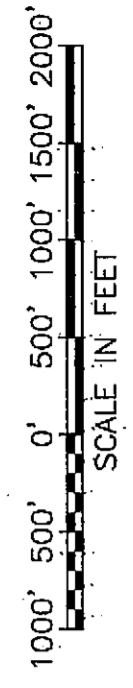
LEGEND

TERRAIN PENETRATIONS
 SPOT ELEVATIONS

OBSTRUCTION DATA TABLE

NUMBER	DISTANCE VARIES	PENETRATION SURFACE	DESCRIPTION	DISPOSITION
1	VARIES	SURFACE PENETRATED	TERRAIN	NO CHANGE
2	VARIES	ALL BUT APPROACHES	TERRAIN	NO CHANGE
3	VARIES	ALL BUT R/W 34' APPROACH	TERRAIN	NO CHANGE
6-9, 11-21	VARIES	20:1 CONICAL SURFACE	TERRAIN AND TREES	TO BE REMOVED
	VARIES	SEE R/W 15 INNER APPROACH SURFACE PLAN	TERRAIN AND TREES	TO BE REMOVED

* SEE INNER PORTION OF THE APPROACH SURFACE SHEETS FOR APPROACH OBSTRUCTIONS



F.A.A. AIRSPACE REVIEW NUMBER:
 04-AAL-056NRA

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
 SUBJECT TO ALP APPROVAL LETTER DATED 6/16/04

By: *[Signature]* DATE: 6/16/04

F.A.A. AIRPORTS DIVISION
 ALASKAN REGION, AAL-600

CHENEGA BAY AIRPORT CHENEGA BAY, ALASKA AIRPORT LAYOUT PLAN F.A.R. PART 77 AIRPORT AIRSPACE PLAN	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION DESIGN SECTION CHIEF APPROVED: <i>[Signature]</i> GARY E. LINCOLN, P.E. PROJECT MANAGER
SHEET 9 OF 12	DATE: 6/14/04 DESIGN: <i>[Signature]</i> DRAWN: <i>[Signature]</i> CHECKED: <i>[Signature]</i> AS-BUILT BY: DATE REVISIONS

CHENEGA BAY AIRPORT

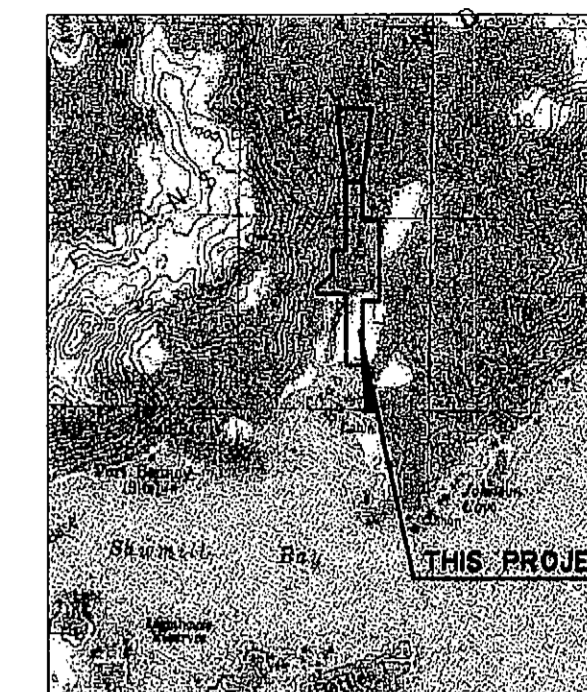
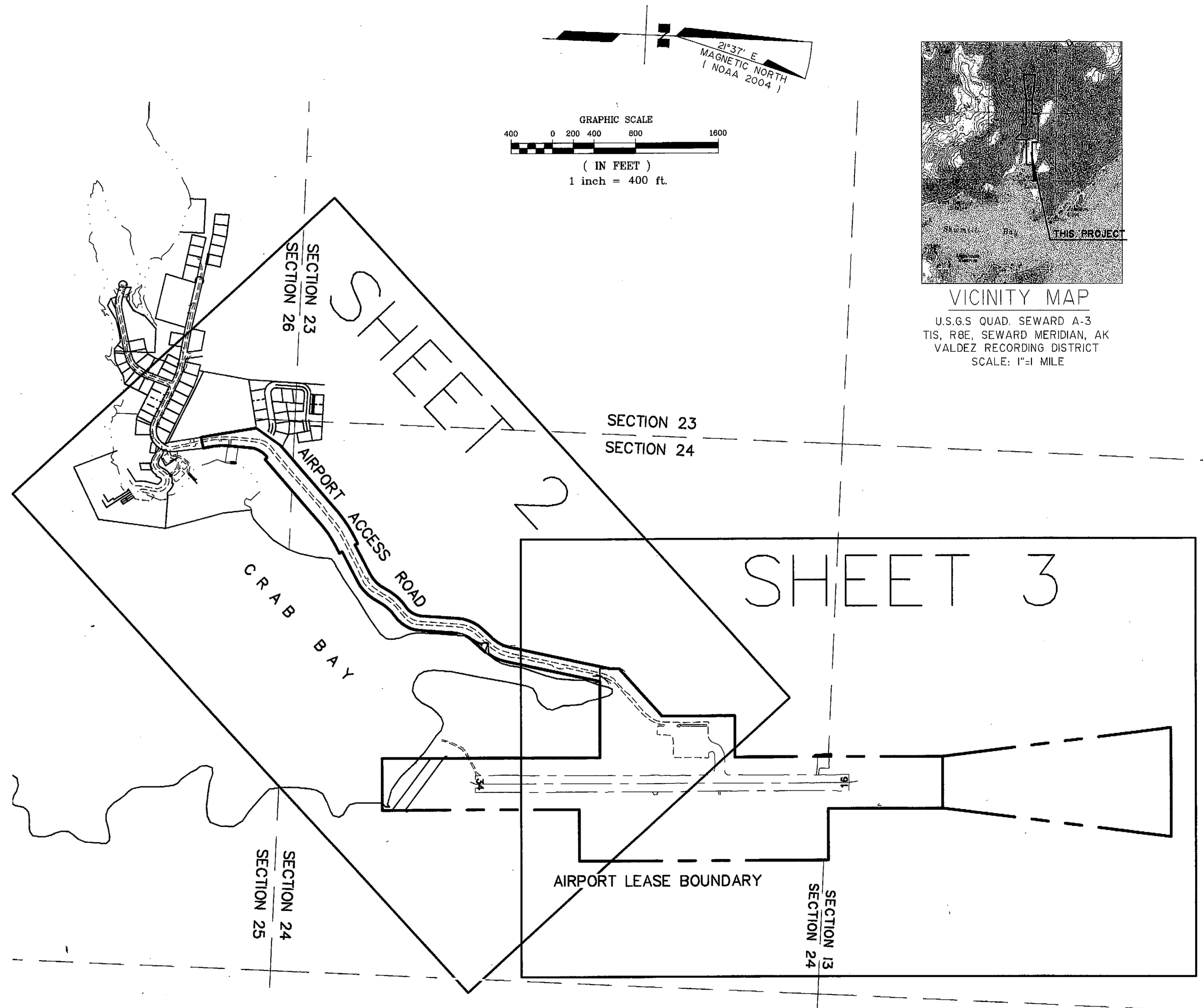
[Notes 1-6 taken from Chenega Bay Airport control diagram, by Lendle C. Story, PLS, stamped 1-05-04]

NOTES

- The information provided is based on a field survey performed by R & M Consultants, Inc. during October 24, 2003 through November 8, 2003 and supplemented with data gathered during a field survey performed by R & M Consultants, Inc. during October 31, 2002 through November 10, 2002. The primary horizontal control was established by R&M Consultants, Inc. using Static GPS techniques with three Trimble dual frequency receivers and was adjusted by simultaneous least squares methods. The primary vertical control was established by R & M Consultants, Inc. by differential levels run between the primary control points. The planimetric and topographic features were collected from the project control using both RTK GPS and conventional radial surveying techniques.
- Project bearings are local grid bearings oriented to the NAD83 (CORS) geodetic mean bearing between CP 8 and CP 11 as determined by static GPS observations. Distances are ground distances reduced to horizontal in U.S. Survey Feet.
- The NAD83 (CORS) geographic position for CP 8 is Lat 60°04'29.52857" N, Long 147°59'48.50256" W and for CP 11 is Lat 60°04'58.67235" N, Long 147°59'37.60211" W. The geographic positions were derived using the NGS OPUS solution from static observations of 20 hours in duration. The NGS OPUS solution used common data from the following CORS stations:
 KENAI 1 CORS
 Antenna ARP, Epoch: 2002, Lat 60°40'30.284" N, Long 151°21'00.570" W
 POTATO POINT 3 CORS
 Antenna ARP, Epoch: 2002, Lat 61°03'22.533" N, Long 146°41'48.518" W
 HINCHINBROOK 3 CORS
 Antenna ARP, Epoch: 2002, Lat 60°41'15.040" N, Long 146°38'47.552" W
- The Project coordinates are referenced to a local horizontal datum based on an assumed coordinate value (N 500,000.00, E 500,000.00) at CP 11. A combined project scale factor of 0.99995327 was applied to the Alaska Coordinate System of 1983 (ACS83), Zone 4, coordinate values to obtain local ground distances in U.S. Survey Feet. The ACS83, Zone 4 value for CP 11 is N 2,227,773.766, E 2,006,702.458. To convert the local coordinates to ACS 1983, Zone 4, U.S. Survey Feet coordinates, translate using +1727669.662 N, +1506608.685 E; then scale coordinates by 1.00004673; apply a rotation of -01°44'16".
- Plat dimensions shown are record dimensions rotated to the basis of bearing. The parcel boundaries were located using a "best fit" solution which minimizes the offsets from recovered corners to the record corner positions. The boundary lines shown may not connect to the found monument position.
- Stations and offsets shown are computed from the runway centerline to the found position of the recovered monumentation.

MONUMENT LEGEND

-  BLM MONUMENT
-  PRIMARY MONUMENT
-  SECONDARY CORNER
-  AIRPORT BOUNDARY
-  PARCEL BOUNDARY



AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
 SUBJECT TO ALP APPROVAL LETTER DATED 6/16/04
 By: [Signature] DATE: 6/16/04
 FAA, AIRPORTS DIVISION
 ALASKAN REGION, AAL-600
 F.A.A. AIRSPACE REVIEW NUMBER: 04-AAL-056NRA

BY	DATE	REVISIONS

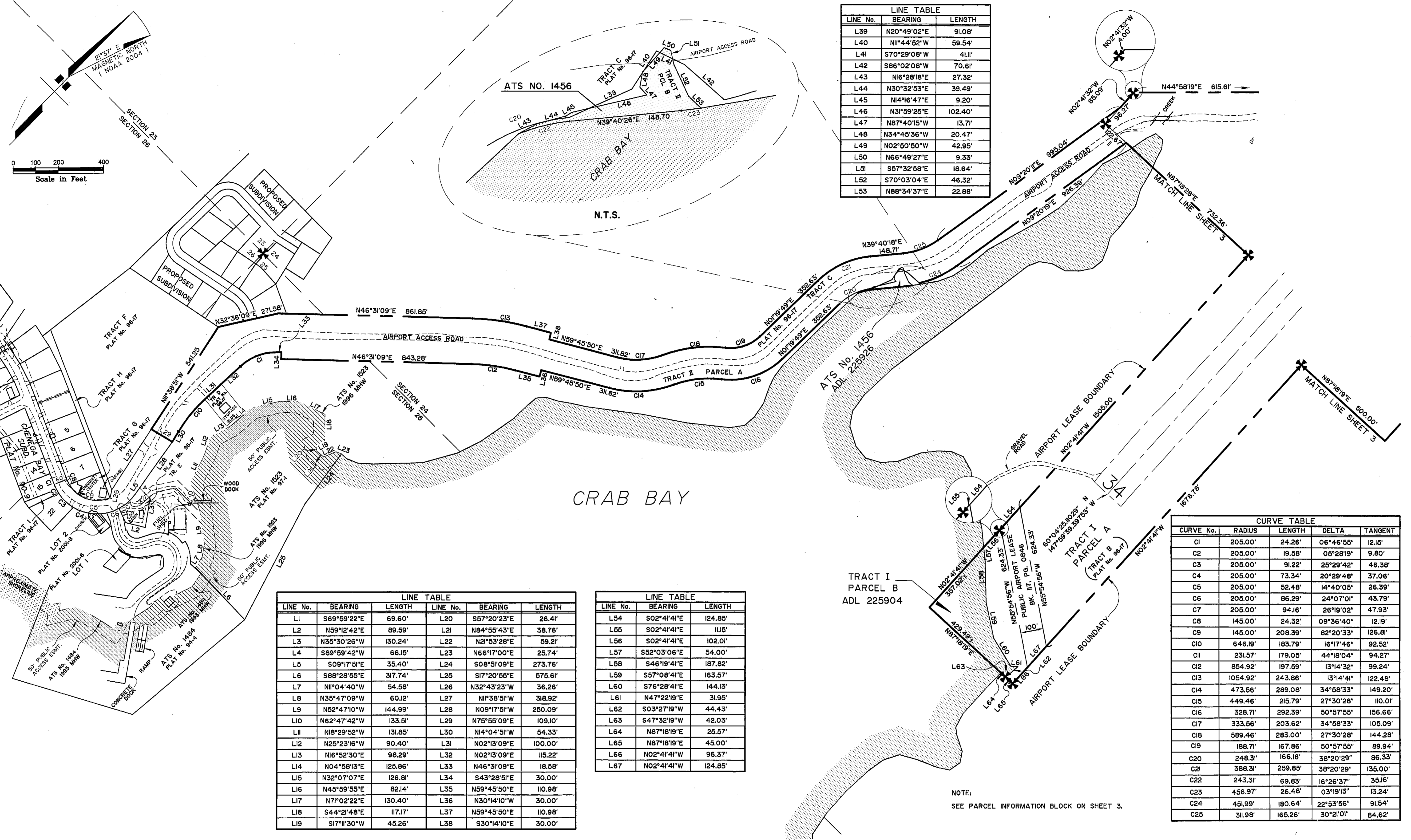
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION-DESIGN AND CONSTRUCTION

APPROVED: [Signature] DESIGN SECTION CHIEF
 STEPHEN M. RYAN, P.E.
 APPROVED: [Signature] PROJECT MANAGER
 GARY E. LINCOLN, P.E.

DATE: 06/03/04
 DESIGN: MES
 DRAWN: MES
 CHECKED: [Signature]

CHENEGA BAY AIRPORT
 AIRPORT LAYOUT PLAN
 PROPERTY PLAN
 (AIRPORT LAYOUT PLAN SHEET 10 OF 12)

SHEET
 1
 OF
 3



LINE No.	BEARING	LENGTH
L39	N20°49'02"E	91.08'
L40	N11°44'52"W	59.54'
L41	S70°29'08"W	41.11'
L42	S86°02'08"W	70.61'
L43	N16°28'18"E	27.32'
L44	N30°32'53"E	39.49'
L45	N14°16'47"E	9.20'
L46	N31°59'25"E	102.40'
L47	N87°40'15"W	13.71'
L48	N34°45'36"W	20.47'
L49	N02°50'50"W	42.95'
L50	N66°49'27"E	9.33'
L51	S57°32'58"E	18.64'
L52	S70°03'04"E	46.32'
L53	N88°34'37"E	22.88'

CURVE No.	RADIUS	LENGTH	DELTA	TANGENT
C1	205.00'	24.26'	06°46'55"	12.15'
C2	205.00'	19.58'	05°28'19"	9.80'
C3	205.00'	91.22'	25°29'42"	46.38'
C4	205.00'	73.34'	20°29'48"	37.06'
C5	205.00'	52.48'	14°40'05"	26.39'
C6	205.00'	86.29'	24°07'01"	43.79'
C7	205.00'	94.16'	26°19'02"	47.93'
C8	145.00'	24.32'	09°36'40"	12.19'
C9	145.00'	208.39'	82°20'33"	126.81'
C10	646.19'	183.79'	16°17'46"	92.52'
C11	231.57'	179.05'	44°18'04"	94.27'
C12	854.92'	197.59'	13°14'32"	99.24'
C13	1054.92'	243.86'	13°14'41"	122.48'
C14	473.56'	289.08'	34°58'33"	149.20'
C15	449.46'	215.79'	27°30'28"	110.01'
C16	328.71'	292.39'	50°57'55"	156.66'
C17	333.56'	203.62'	34°58'33"	105.09'
C18	589.46'	283.00'	27°30'28"	144.28'
C19	188.71'	167.86'	50°57'55"	89.94'
C20	248.31'	166.16'	38°20'29"	86.33'
C21	388.31'	259.85'	38°20'29"	135.00'
C22	243.31'	69.83'	16°26'37"	35.16'
C23	456.97'	26.48'	03°19'13"	13.24'
C24	451.99'	180.64'	22°53'56"	91.54'
C25	311.98'	165.26'	30°21'01"	84.62'

LINE No.	BEARING	LENGTH	LINE No.	BEARING	LENGTH
L1	S69°59'22"E	69.60'	L20	S57°20'23"E	26.41'
L2	N59°12'42"E	89.59'	L21	N84°55'43"E	38.76'
L3	N35°30'26"W	130.24'	L22	N21°53'28"E	59.21'
L4	S89°59'42"W	66.15'	L23	N66°17'00"E	25.74'
L5	S09°17'51"E	35.40'	L24	S08°51'09"E	273.76'
L6	S88°28'55"E	317.74'	L25	S17°20'55"E	575.61'
L7	N11°04'40"W	54.58'	L26	N32°43'23"W	36.26'
L8	N35°47'09"W	60.12'	L27	N11°38'51"W	318.92'
L9	N52°47'10"W	144.99'	L28	N09°17'51"W	250.09'
L10	N62°47'42"W	133.51'	L29	N75°55'09"E	109.10'
L11	N18°29'52"W	131.85'	L30	N14°04'51"W	54.33'
L12	N25°23'16"W	90.40'	L31	N02°13'09"E	100.00'
L13	N16°52'30"E	98.29'	L32	N02°13'09"E	115.22'
L14	N04°58'13"E	125.86'	L33	N46°31'09"E	18.58'
L15	N32°07'07"E	126.81'	L34	S43°28'51"E	30.00'
L16	N45°59'55"E	82.14'	L35	N59°45'50"E	110.98'
L17	N71°02'22"E	130.40'	L36	N30°14'10"W	30.00'
L18	S44°21'48"E	117.17'	L37	N59°45'50"E	110.98'
L19	S17°11'30"W	45.26'	L38	S30°14'10"E	30.00'

LINE No.	BEARING	LENGTH
L54	S02°41'41"E	124.85'
L55	S02°41'41"E	11.15'
L56	S02°41'41"E	102.01'
L57	S52°03'06"E	54.00'
L58	S46°19'41"E	187.82'
L59	S57°08'41"E	163.57'
L60	S76°28'41"E	144.13'
L61	N47°22'19"E	31.95'
L62	S03°27'19"W	44.43'
L63	S47°32'19"W	42.03'
L64	N87°18'19"E	25.57'
L65	N87°18'19"E	45.00'
L66	N02°41'41"E	96.37'
L67	N02°41'41"E	124.85'

NOTE:
SEE PARCEL INFORMATION BLOCK ON SHEET 3.

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
SUBJECT TO ALP APPROVAL LETTER DATED 4/15/04
By: [Signature] DATE: 6/18/04
FAA, AIRPORTS DIVISION
ALASKAN REGION, AAL-600
F.A.A. AIRSPACE REVIEW NUMBER: 04-AAL-056NRA

BY	DATE	REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION-DESIGN AND CONSTRUCTION
APPROVED: [Signature] DESIGN SECTION CHIEF
STEPHEN M. RYAN, P.E.
APPROVED: [Signature] PROJECT MANAGER
GARY E. LINCOLN, P.E.

DATE: 06/03/04
DESIGN: MES
DRAWN: MES
CHECKED: RAE

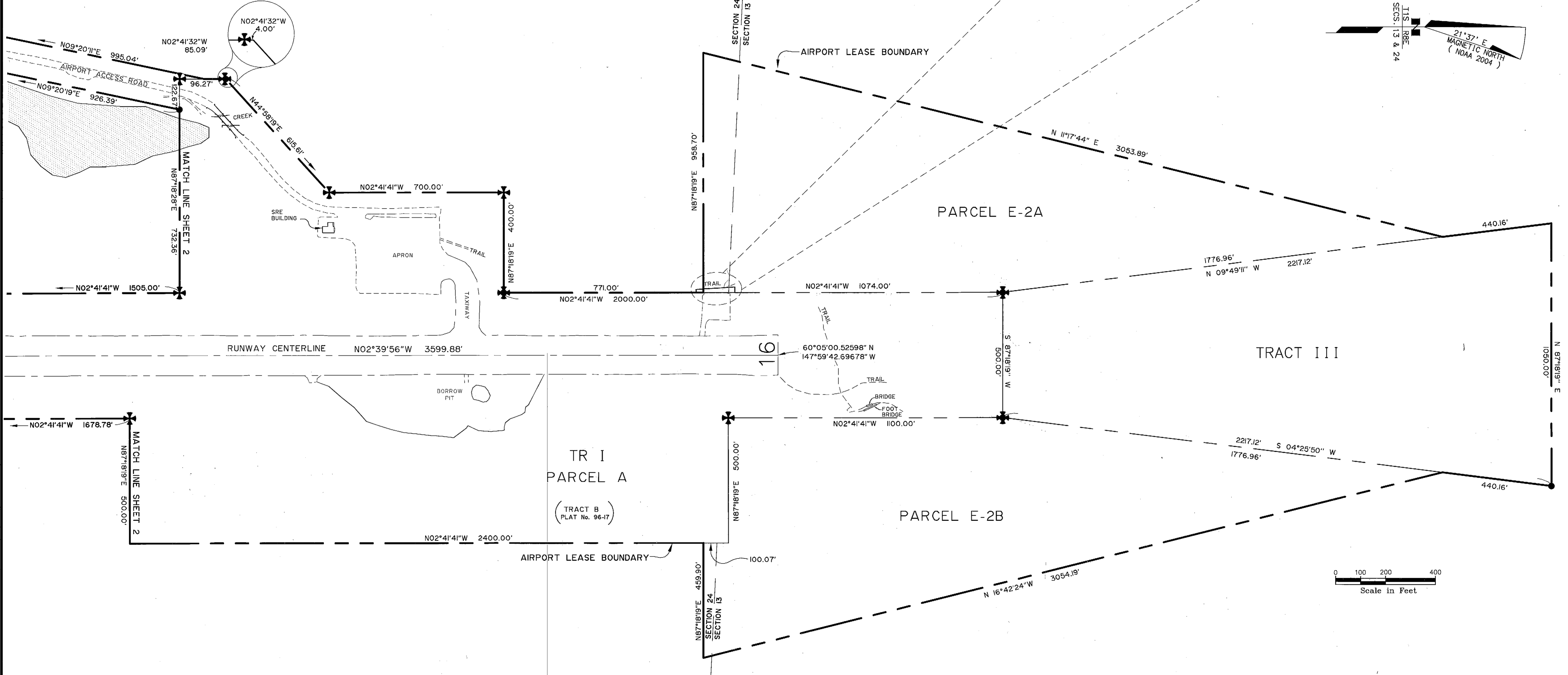
CHENEGA BAY AIRPORT
AIRPORT LAYOUT PLAN
PROPERTY PLAN
(AIRPORT LAYOUT PLAN SHEET 11 OF 12)

SHEET
2
OF
3

PROPERTY STATUS

PARCEL NO.	INTEREST TO BE ACQUIRED	GRANTOR	GRANTEE	LARGER PARCEL AREA	NET TAKE	REMAIN	RECORDED DOCUMENT NO.	ACQUIRED UNDER AIP NO.
TR I, PCL A	30 YR LEASE/SURFACE (see note)	STATE OF ALASKA, DCRA	STATE OF ALASKA, DOT/PF	LARGE	104.73 AC	LARGE	BK. 2004-000531-01	3-02-0419-02
	AGREEMENT/SUBSURFACE	CHUGACH ALASKA	STATE OF ALASKA, DOT/PF				BK. 117 PG. 0875	
TR I, PCL B	PERMIT A & H EASEMENT	STATE OF ALASKA, DNR	STATE OF ALASKA, DOT/PF	LARGE	0.84 AC	LARGE	BK. 119, PG 0240	3-02-0419-02
TR II, PCL A	ROW EASEMENT/SUBSURFACE	STATE OF ALASKA, DCRA	STATE OF ALASKA, DOT/PF	LARGE	16.96 AC	LARGE	BK. 117 PG. 0865	3-02-0419-02
	AGREEMENT/SUBSURFACE	CHUGACH ALASKA	STATE OF ALASKA, DOT/PF				BK. 117 PG. 0875	
TR II, PCL B	ROW PERMIT	STATE OF ALASKA, DNR	STATE OF ALASKA, DOT/PF	LARGE	0.14 AC	LARGE	BK. 121 PG. 0731	3-02-0419-02
TR III	EASEMENT & RESTRICTIVE COVENANTS/SURFACE	THE CHENEGA CORP.	STATE OF ALASKA, DOT/PF	LARGE	39.14 AC	LARGE	BK. 123 PG. 0575	3-02-0419-02
	EASEMENT & RESTRICTIVE COVENANTS/SUBSURFACE	CHUGACH ALASKA	STATE OF ALASKA, DOT/PF				BK. 123 PG. 0582	
PARCEL E-1	SLOPE EASEMENT	THE CHENEGA CORP.	STATE OF ALASKA, DOT/PF	LARGE	0.06 AC	LARGE	2005-000618-0	3-02-0419-0304
PARCEL E-2A	EASEMENT & RESTRICTIVE COVENANTS/SURFACE	THE CHENEGA CORP.	STATE OF ALASKA, DOT/PF	LARGE	35.65 AC	LARGE	2005-000618-0	3-02-0419-0304
	EASEMENT & RESTRICTIVE COVENANTS/SUBSURFACE	CHUGACH ALASKA	STATE OF ALASKA, DOT/PF					
PARCEL E-2B	EASEMENT & RESTRICTIVE COVENANTS/SURFACE	THE CHENEGA CORP.	STATE OF ALASKA, DOT/PF	LARGE	34.54 AC	LARGE	2005-000618-0	3-02-0419-0304
	EASEMENT & RESTRICTIVE COVENANTS/SUBSURFACE	CHUGACH ALASKA	STATE OF ALASKA, DOT/PF					

NOTE: TR I, PCL A LEASE WILL EXPIRE JULY 31, 2022.



Date Plotted: 3/23/2007, 9:48 AM
 Plot Ratio and Layout: 1=1, layout=1
 File: W:\Projects\Chenega Bay\ALP\ROW\aviation_ensemble.dwg

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED _____ By: _____ DATE: _____ FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-600 F.A.A. AIRSPACE REVIEW NUMBER: 04-AAL-056NRA	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>BY</td> <td>DATE</td> <td>REVISIONS</td> </tr> <tr> <td> </td> <td> </td> <td>AS-BUILT</td> </tr> </table>	BY	DATE	REVISIONS			AS-BUILT	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION APPROVED: <i>[Signature]</i> STEPHEN M. RYAN, P.E. DESIGN SECTION CHIEF APPROVED: <i>[Signature]</i> GARY E. LINCOLN, P.E. PROJECT MANAGER	DATE 06/03/04 DESIGN MES DRAWN MES CHECKED _____	CHENEGA BAY AIRPORT AIRPORT LAYOUT PLAN PROPERTY PLAN (AIRPORT LAYOUT PLAN SHEET 12 OF 12)	SHEET 3 OF 3
BY	DATE	REVISIONS									
		AS-BUILT									