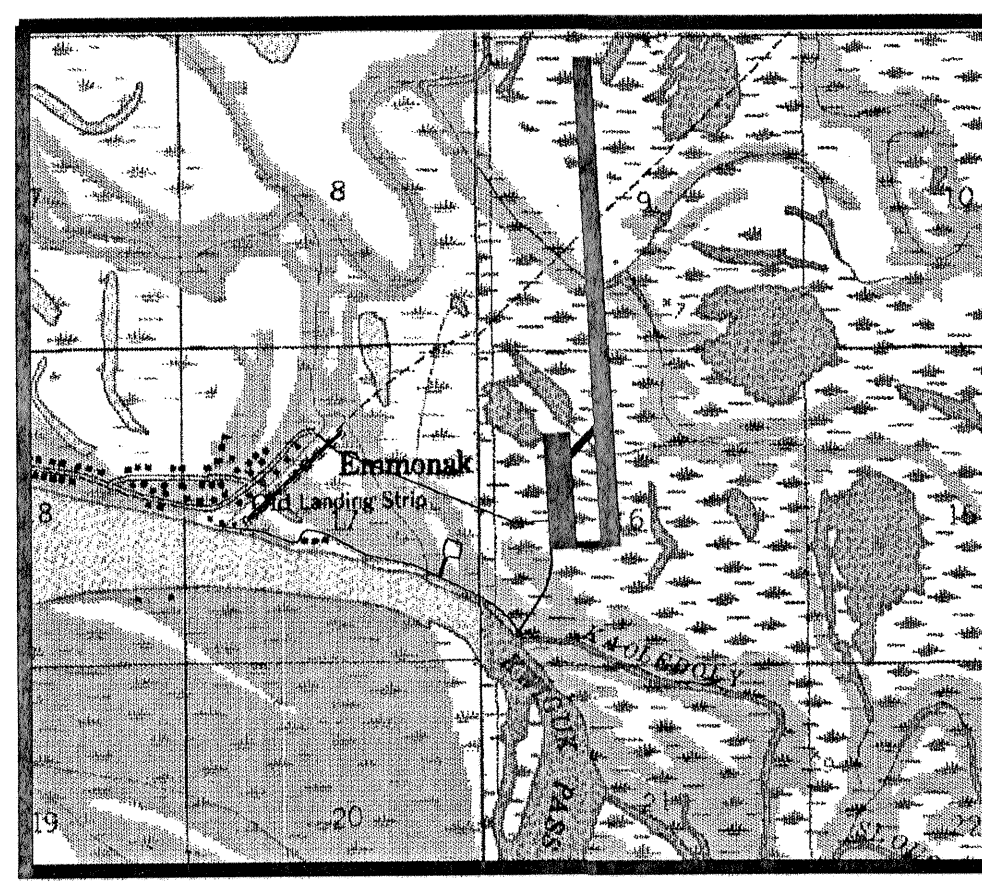
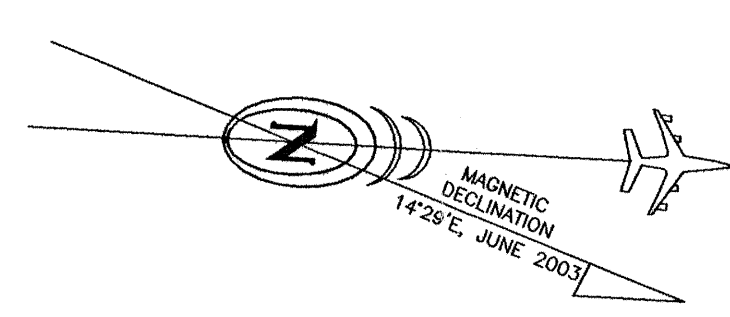


LOCATION MAP
NO SCALE

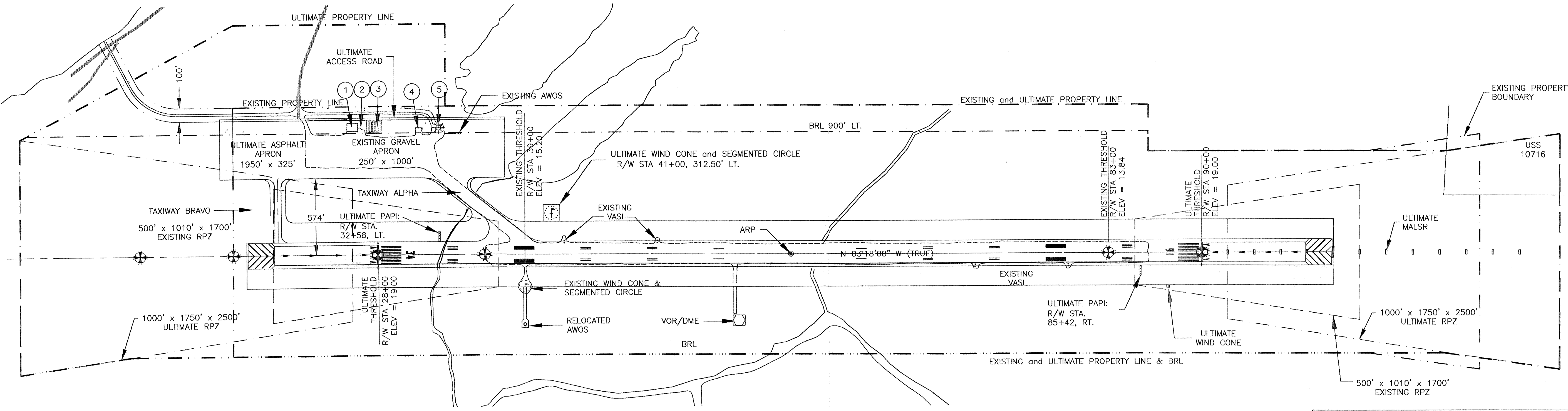
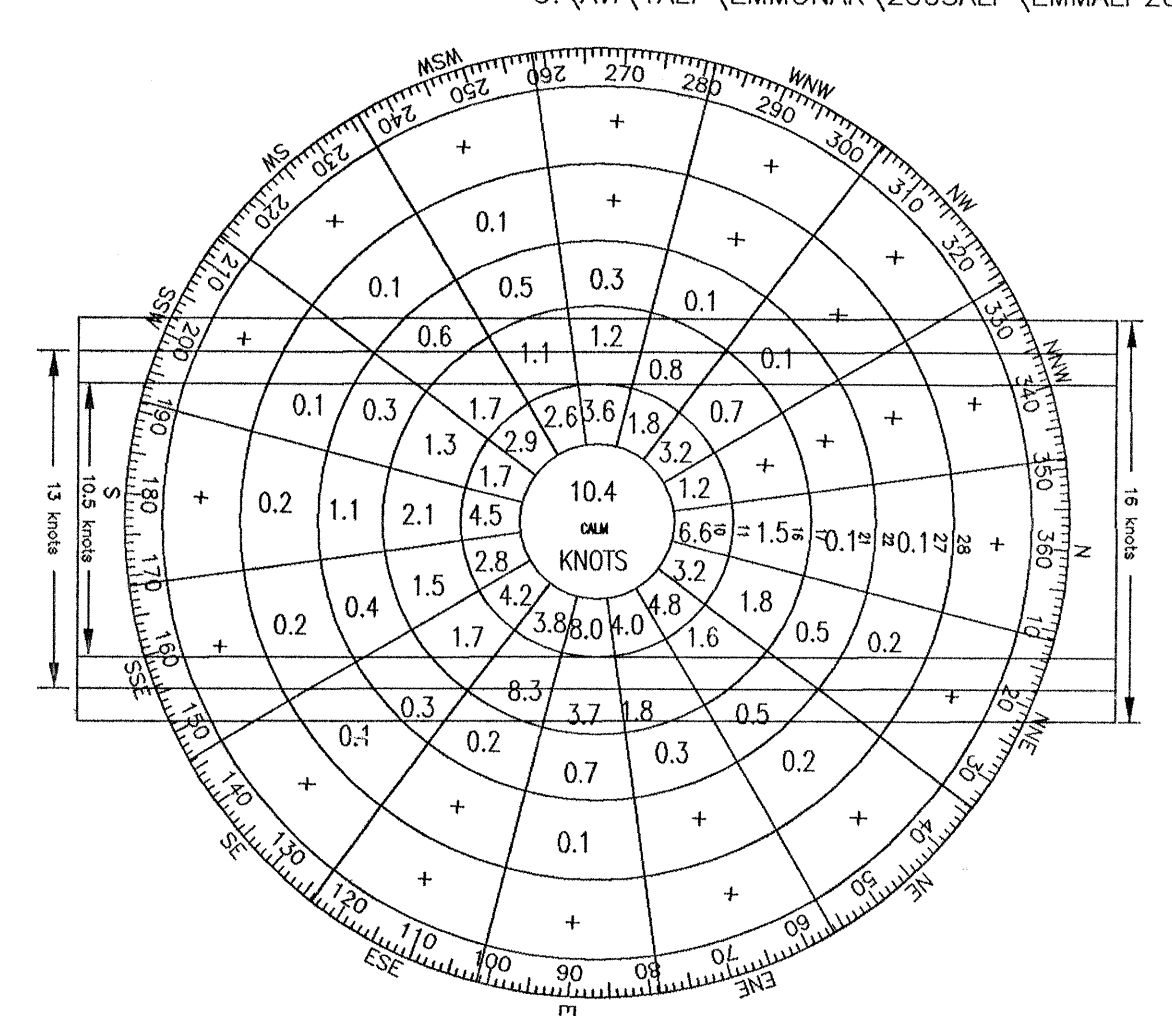


VICINITY MAP
T.31N., R.81W. - SEWARD MERIDIAN
SECTIONS 9 and 16
NO SCALE

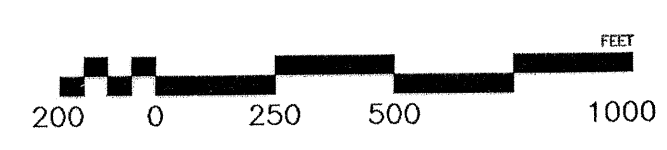


NATIONAL WEATHER SERVICE
1978 - 1981
(NORTHERN TECHNICAL SERVICES DRAFT REPORT - JUNE 1982)

WIND COVERAGE			
RUNWAY	GROUP	CROSSWIND COMPONENT	COVERAGE
16-34	I	10.5 kts	84%
	II	13 kts	92%
	III	16 kts	97%



BUILDING DATA TABLE				
#	STRUCTURE NAME	TOP ELEVATION	OBSTRUCTION MARKING (Y/N)	REMARKS
1	GRANT AVIATION TERMINAL	25.00'	N N	NO PENETRATION
2	GRANT AVIATION STORAGE	15.00'	N N	NO PENETRATION
3	GRANT AVIATION FUEL TANKS	18.50'	N N	NO PENETRATION
4	CITY of EMMONAK BUILDING	20.00'	N N	NO PENETRATION
5	STATE of ALASKA S.R.E.B.	23.00'	N N	NO PENETRATION



NOTES
NO THRESHOLD SITING SURFACE PENETRATIONS
NO OFZ OBJECT PENETRATIONS
NO MODIFICATIONS TO STANDARDS

RUNWAY DATA TABLE				
ITEM	EXISTING	ULTIMATE		
EFFECTIVE GRADE	-0.03%	0.00%		
PERCENT WIND COVERAGE	92%	97%		
INSTRUMENT RUNWAY	VISUAL	PRECISION		
RUNWAY SURFACE	GRAVEL	ASPHALT		
PAVEMENT STRENGTH (LBS)	N/A	100,000 (SW)		
APPROACH SURFACES	34:1	50:1		
VISIBILITY MINIMUMS	≥ 1 MILE	≥ 3/4 MILE		
RUNWAY LIGHTING	M.I.R.L.	H.I.R.L.		
RUNWAY MARKING	VISUAL	PRECISION		
RADIO NAVIGATION AIDS	VOR/DME,GPS	VOR/DME,GPS,ILS		
RUNWAY DIMENSION	75' x 4400'	150' x 6200'		
RUNWAY SAFETY AREA DIMENSION	150' x 5000'	500' x 8200'		
RUNWAY OBJECT FREE AREA DIMENSION	500' x 5000'	800' x 8200'		
RUNWAY OBSTACLE FREE ZONE DIMENSION	400' x 4800'	400' x 6600'		
GEODETTIC POSITIONS (N.A.D. 83)	THRESHOLD 16	LAT.	62°47'28.42"N	62°47'35.31"N
		LONG.	164°29'28.36"W	164°29'28.88"W
	THRESHOLD 34	LAT.	62°46'45.13"N	62°46'34.31"N
		LONG.	164°29'25.13"W	164°29'24.32"W

AIRPORT DATA TABLE		
ITEM	EXISTING	ULTIMATE
AIRPORT ELEVATION (M.S.L.)	15.50'	19.00'
AIRPORT REFERENCE POINT (A.R.P.) N.A.D. 83	LATITUDE	62°47'04.81"N
	LONGITUDE	164°29'26.60"W
TAXIWAY LIGHTING	M.I.T.L.	M.I.T.L.
RAMP LIGHTING	NONE	FLOOD
MEAN, MAX. TEMP. HOTTEST MONTH, JULY	79'	N/A
MAGNETIC DECLINATION, YEAR	14°42'E, Oct '01	10.3'W per year
AIRPORT REFERENCE CODE	B-II	C-III
AIRPORT and TERMINAL NAVIGATION AIDS	VOR/DME,GPS	VOR/DME,GPS,ILS
TAXIWAY ALPHA DIMENSIONS	40' x 1050'	50' x 815'
TAXIWAY ALPHA SAFETY AREA WIDTH	70'	118'
TAXIWAY ALPHA OBJECT FREE AREA WIDTH	131'	186'
TAXIWAY BRAVO DIMENSIONS	N/A	50' x 500'
TAXIWAY BRAVO SAFETY AREA WIDTH	N/A	118'
TAXIWAY BRAVO OBJECT FREE AREA WIDTH	N/A	186'
TAKEOFF RUN AVAILABLE (TORA)	4400'	6990'
TAKEOFF DISTANCE AVAILABLE (TODA)	4400'	7980'
ACCELERATE-STOP DISTANCE AVAILABLE (ASDA)	4400'	7980'
LANDING DISTANCE AVAILABLE (LDA)	4400'	6990'
BLAST PAD DIMENSIONS	N/A	200' x 200'

LEGEND		
ITEM	EXISTING	ULTIMATE
PROPERTY LINE	---	---
BUILDING RESTRICTION LINE (BRL)	---	---
OBJECT FREE AREA (OFA)	---	---
OBSTACLE FREE ZONE (OFZ)	---	---
RUNWAYS, TAXIWAYS, APRON	---	---
RUNWAY and TAXIWAY SAFETY AREAS	---	---
ROADWAYS	---	---
AIRPORT REFERENCE POINT (ARP)		⊙
VASI	⊞	⊞
RUNWAY MONUMENTATION	⊞	⊞
ROTATING BEACON	⊞	SAME
FUEL TANKS	⊞	SAME
BUILDINGS	⊞	SAME
WIND CONE and SEGMENTED CIRCLE	⊞	⊞
VOR/DME	⊞	SAME

DESIGN	ACU		
DRAWN	ACU		
CHECKED	PDM		
BY	DATE	REVISIONS	

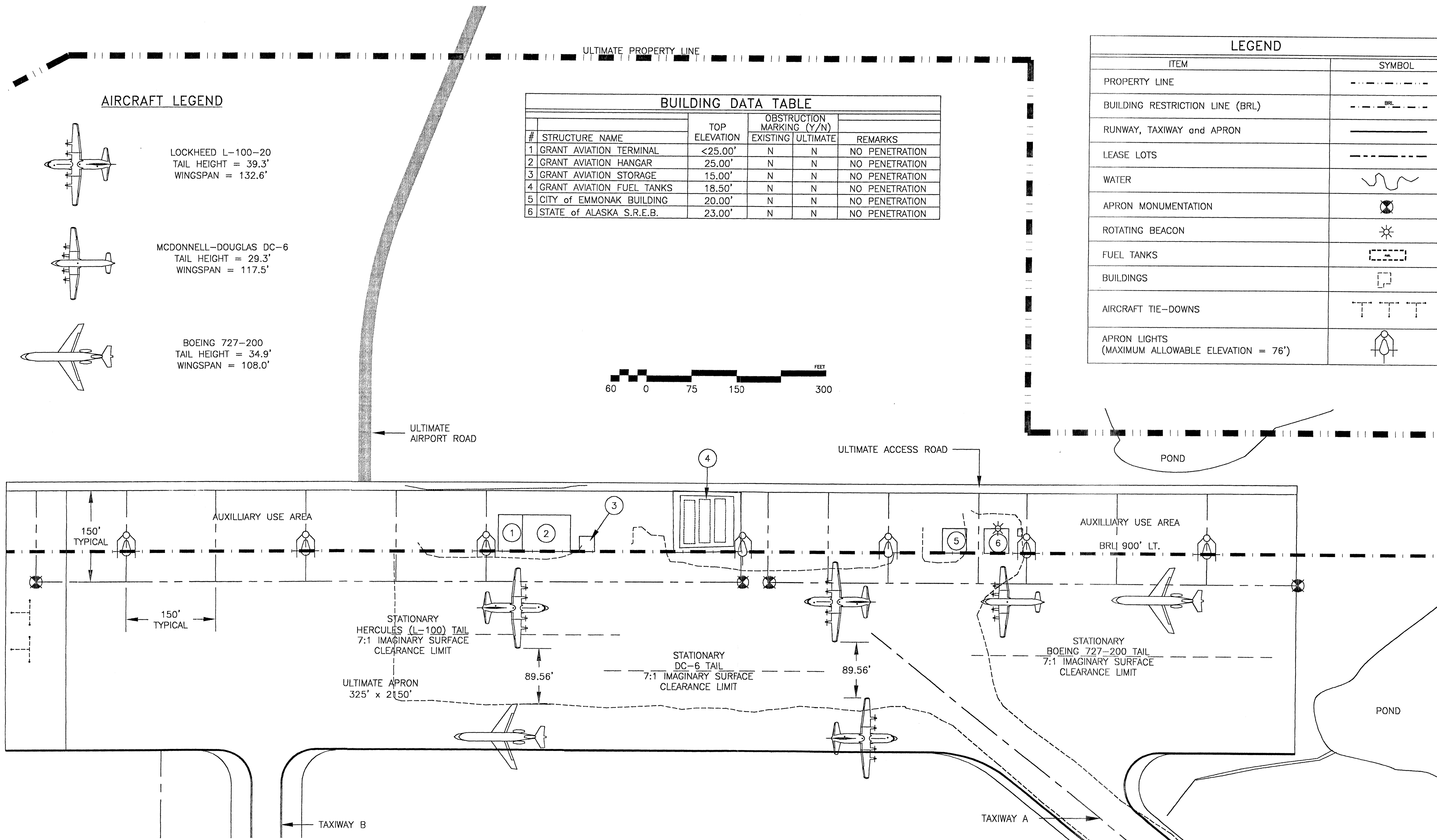
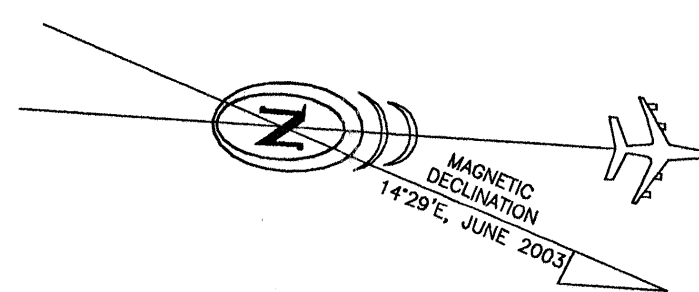
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION
APPROVED *Patricia D. Miller* DATE 8/15/03
PATRICIA D. MILLER, P.E. DESIGN GROUP CHIEF

REVISED AIRPORT LAYOUT PLAN APPROVED
BY LETTER DATED: 8/18/03
Patricia D. Miller
AIRPORTS DIVISION,
ALASKAN REGION, AAL-610
AIRSPACE REVIEW #99AAL-241NRA

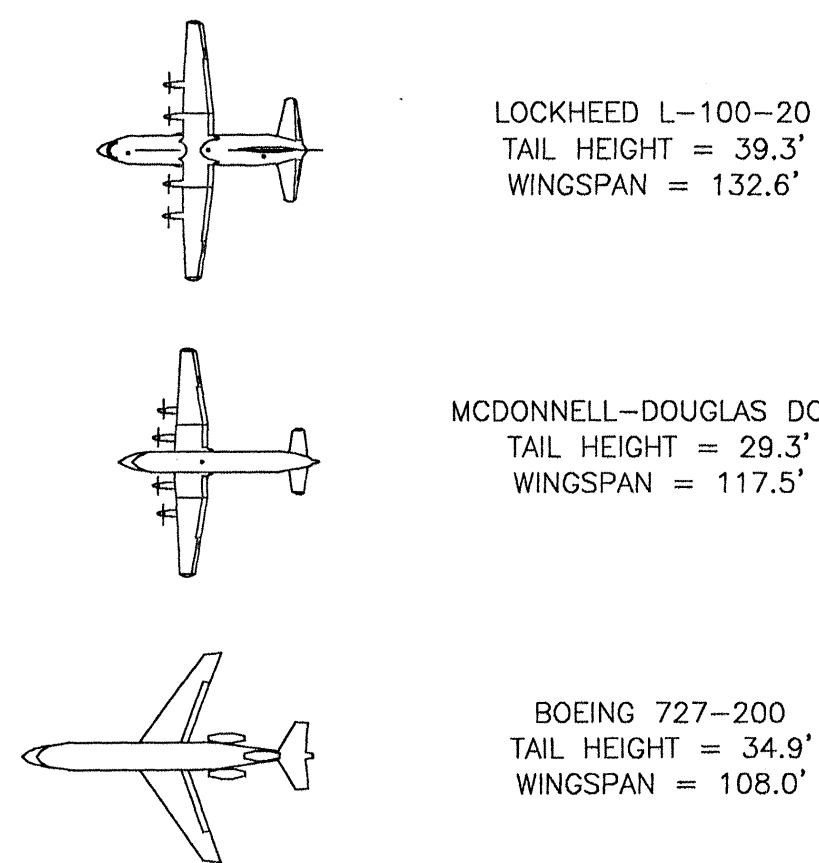
EMMONAK AIRPORT
AIRPORT LAYOUT PLAN

EMMONAK AIRPORT
AIRPORT LAYOUT PLAN

SHEET
1 OF
6



AIRCRAFT LEGEND

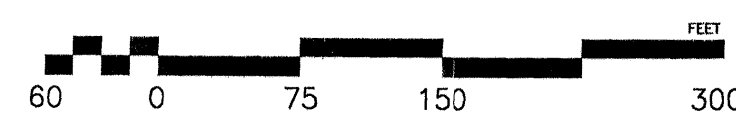


BUILDING DATA TABLE

#	STRUCTURE NAME	TOP ELEVATION	OBSTRUCTION MARKING (Y/N)		REMARKS
			EXISTING	ULTIMATE	
1	GRANT AVIATION TERMINAL	<25.00'	N	N	NO PENETRATION
2	GRANT AVIATION HANGAR	25.00'	N	N	NO PENETRATION
3	GRANT AVIATION STORAGE	15.00'	N	N	NO PENETRATION
4	GRANT AVIATION FUEL TANKS	18.50'	N	N	NO PENETRATION
5	CITY of EMMONAK BUILDING	20.00'	N	N	NO PENETRATION
6	STATE of ALASKA S.R.E.B.	23.00'	N	N	NO PENETRATION

LEGEND

ITEM	SYMBOL
PROPERTY LINE	--- ---
BUILDING RESTRICTION LINE (BRL)	- - - - - BRL - - - - -
RUNWAY, TAXIWAY and APRON	=====
LEASE LOTS	----- -----
WATER	~~~~~
APRON MONUMENTATION	⊗
ROTATING BEACON	⊙
FUEL TANKS	⊠
BUILDINGS	□
AIRCRAFT TIE-DOWNS	TTT
APRON LIGHTS (MAXIMUM ALLOWABLE ELEVATION = 76')	⊕



DESIGN ACU
DRAWN ACU
CHECKED PDM

BY	DATE	REVISIONS

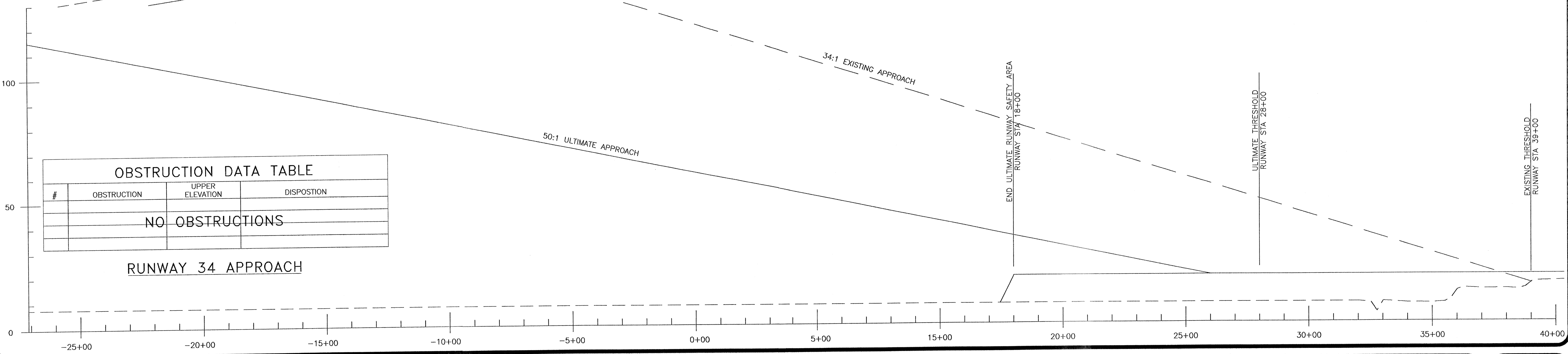
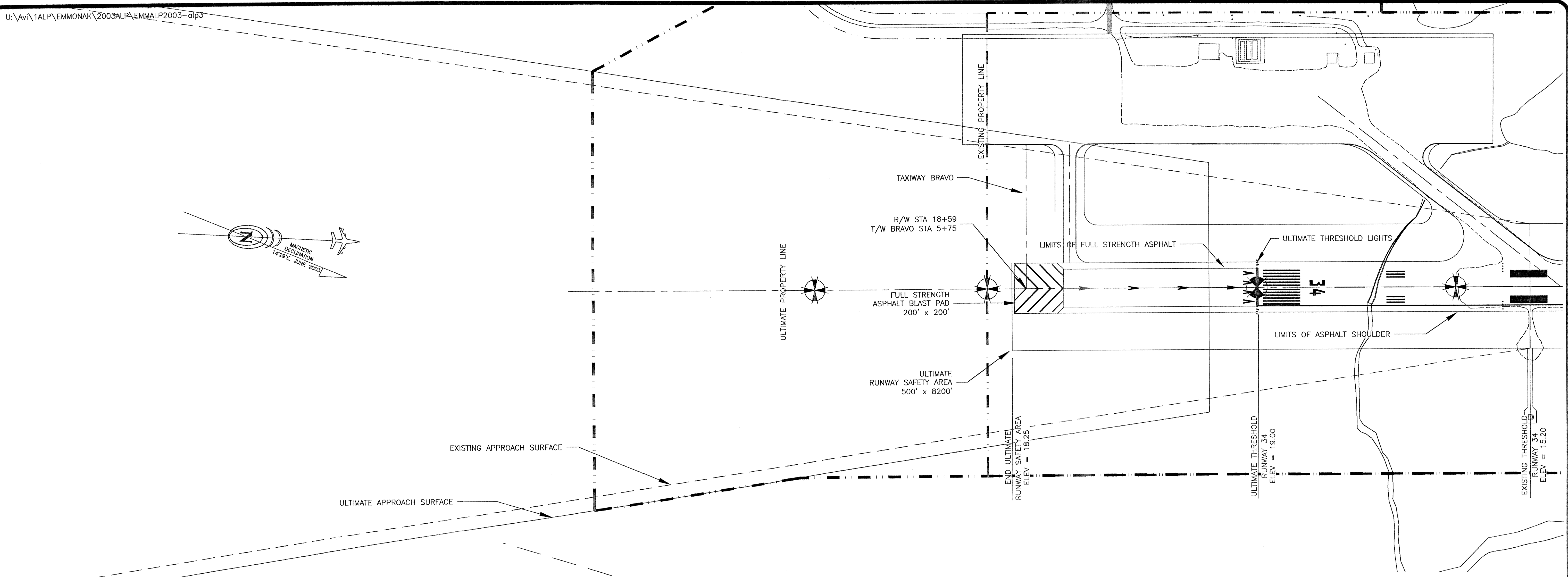
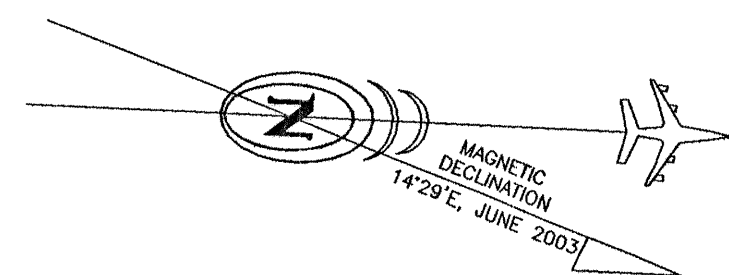
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION

APPROVED *Patricia D. Miller* DATE 8/15/03
PATRICIA D. MILLER, P.E. DESIGN GROUP CHIEF

REVISED AIRPORT LAYOUT PLAN APPROVED
BY LETTER DATED: 8/12/03
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AIRPORTS DIVISION, AIRSPACE REVIEW #99AAL-241NRA

EMMONAK AIRPORT
TERMINAL PLAN

SHEET 2 OF 6



OBSTRUCTION DATA TABLE			
#	OBSTRUCTION	UPPER ELEVATION	DISPOSTION
NO OBSTRUCTIONS			

RUNWAY 34 APPROACH

DESIGN ACU

DRAWN ACU

CHECKED PDM

BY	DATE	REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION

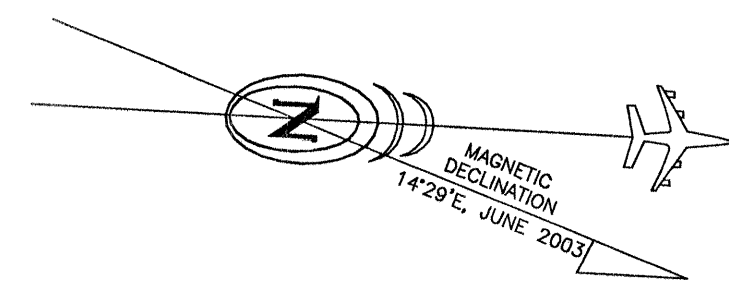
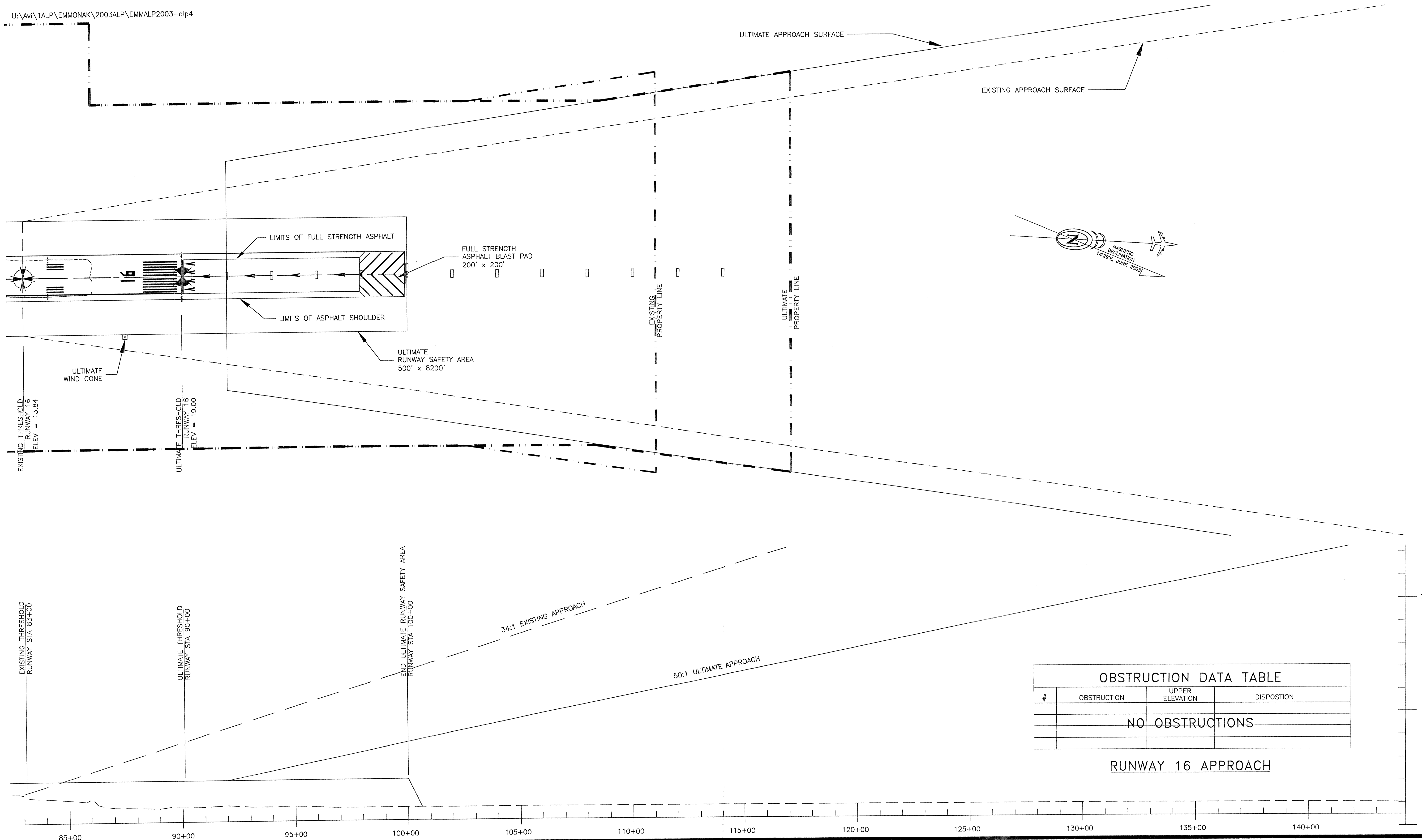
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REVISED AIRPORT LAYOUT PLAN APPROVED
BY LETTER DATED: 8/16/03

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ALASKAN REGION, AAL-610
AIRSPACE REVIEW #99AAL-241NRA

EMMONAK AIRPORT
INNER PORTION - RUNWAY 34
APPROACH SURFACE DRAWING

SHEET
3 OF 6



OBSTRUCTION DATA TABLE			
#	OBSTRUCTION	UPPER ELEVATION	DISPOSITION
NO OBSTRUCTIONS			

RUNWAY 16 APPROACH

DESIGN	ACU
DRAWN	ACU
CHECKED	PDM
BY	DATE
REVISIONS	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION

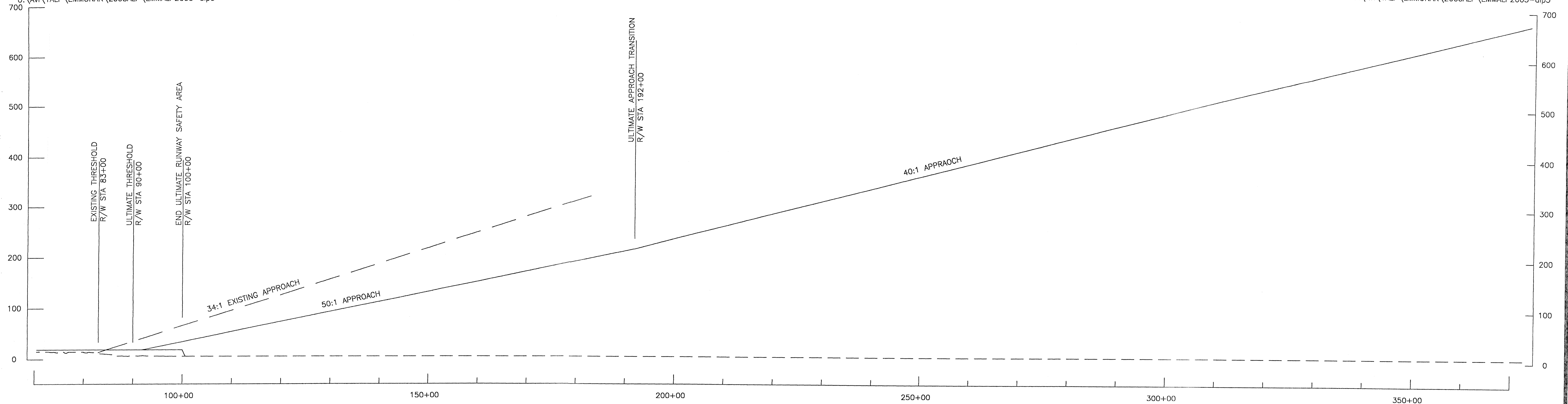
APPROVED
Patricia D. Miller
PATRICIA D. MILLER, P.E.

DATE 8/15/03
DESIGN GROUP CHIEF

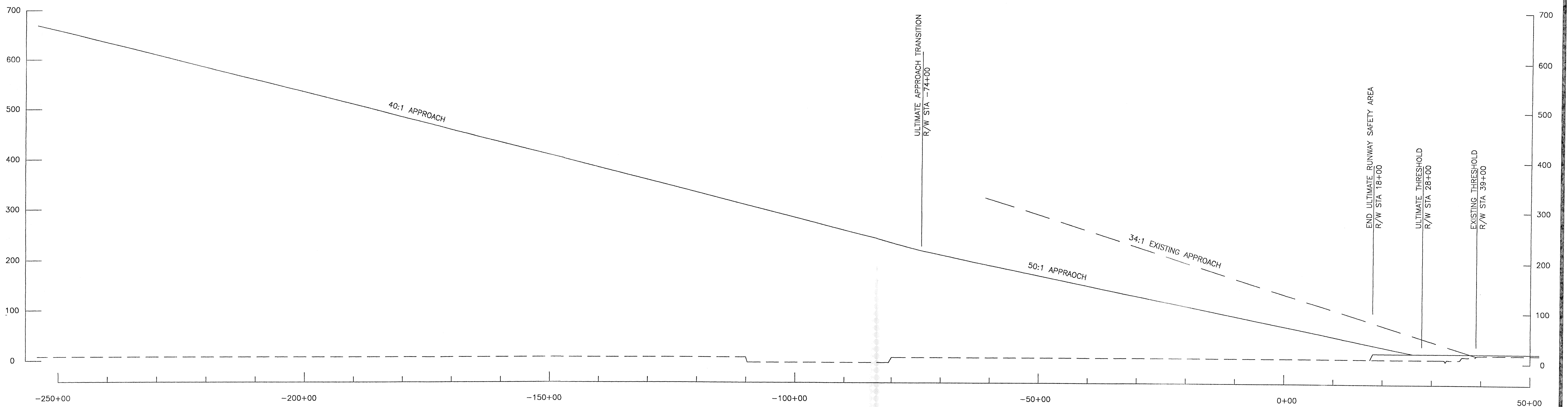
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EMMONAK AIRPORT
INNER PORTION - RUNWAY 16
APPROACH SURFACE DRAWING



RUNWAY 16 APPROACH



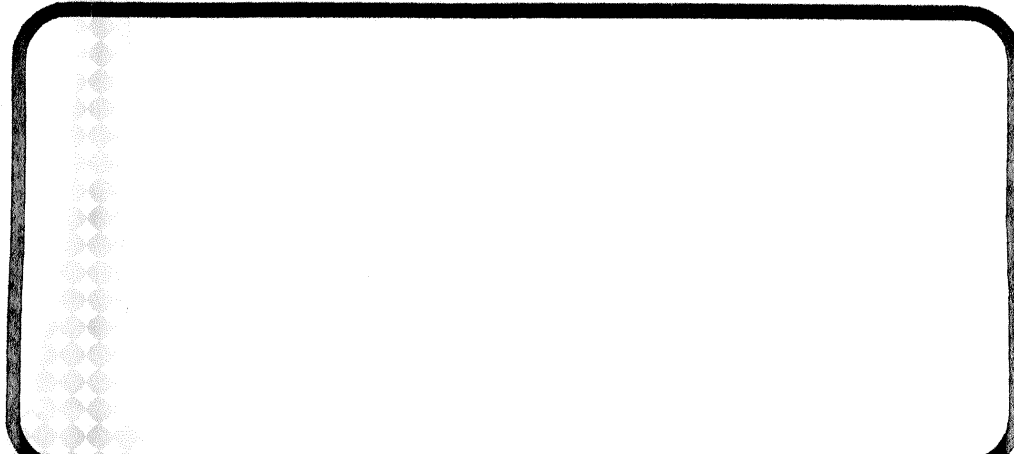
RUNWAY 34 APPROACH

DESIGN	ACU		
DRAWN	ACU		
CHECKED	PDM		
BY	DATE	REVISIONS	

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 NORTHERN REGION

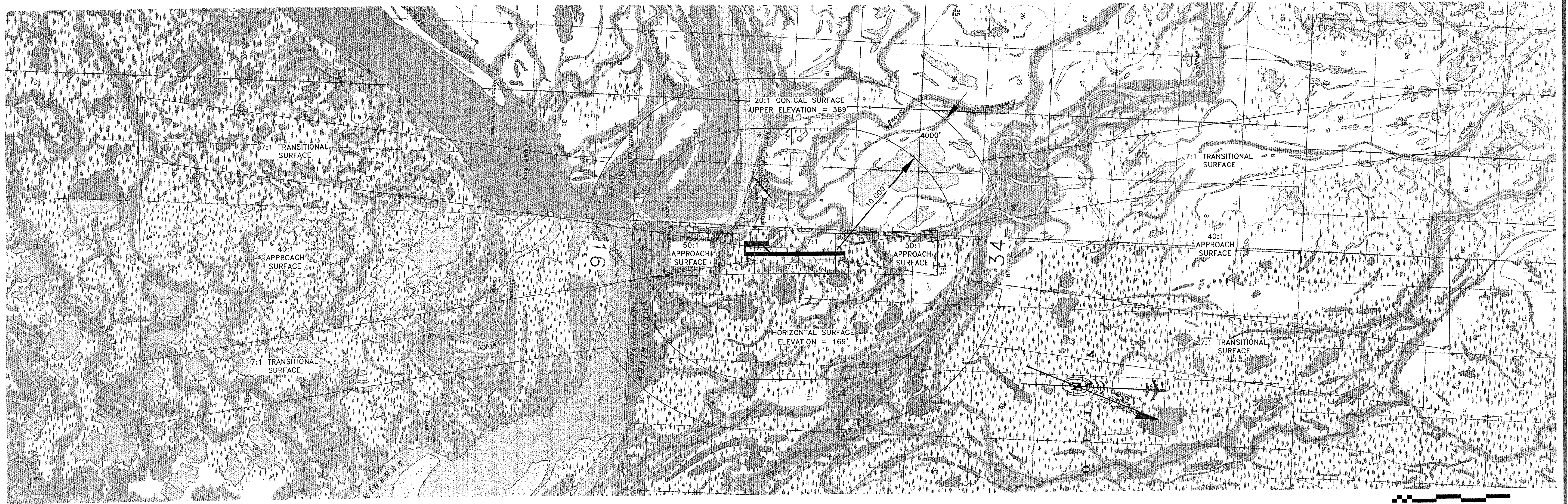
APPROVED *Patricia D. Miller* DATE 8/15/03
 PATRICIA D. MILLER, P.E. DESIGN GROUP CHIEF

REVISED AIRPORT LAYOUT PLAN APPROVED
 BY LETTER DATED: 5/16/03
J. L. Smith
 AIRPORTS DIVISION,
 ALASKAN REGION, AAL-610
 AIRSPACE REVIEW #99AAL-241NRA

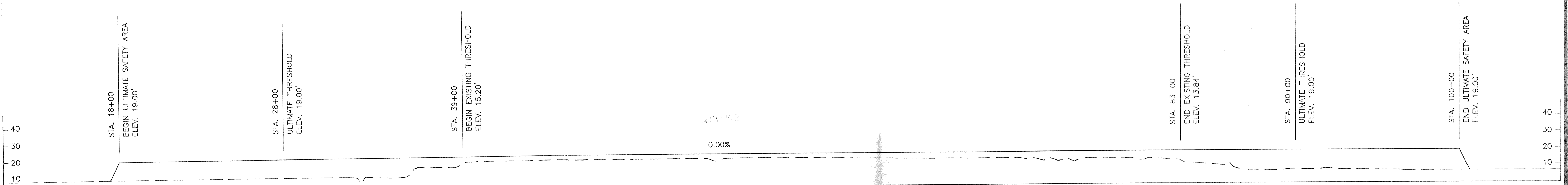


EMMONAK AIRPORT
 COMPOSITE APPROACH PROFILE

SHEET
 5 OF 6



3000 0 4000 16000



DESIGN	ACU	
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BY	DATE	REVISIONS

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 NORTHERN REGION

APPROVED *Patricia D. Miller*
 PATRICIA D. MILLER, P.E.

DATE *8/15/03*
 DESIGN GROUP CHIEF

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 BY LETTER DATED: *5/12/03*

[Signature]

AIRPORTS DIVISION,
 ALASKAN REGION, AAL-610
 AIRSPACE REVIEW #99AAL-241NRA

EMMONAK AIRPORT
 AIRSPACE DRAWING

SHEET
 6 OF
 6