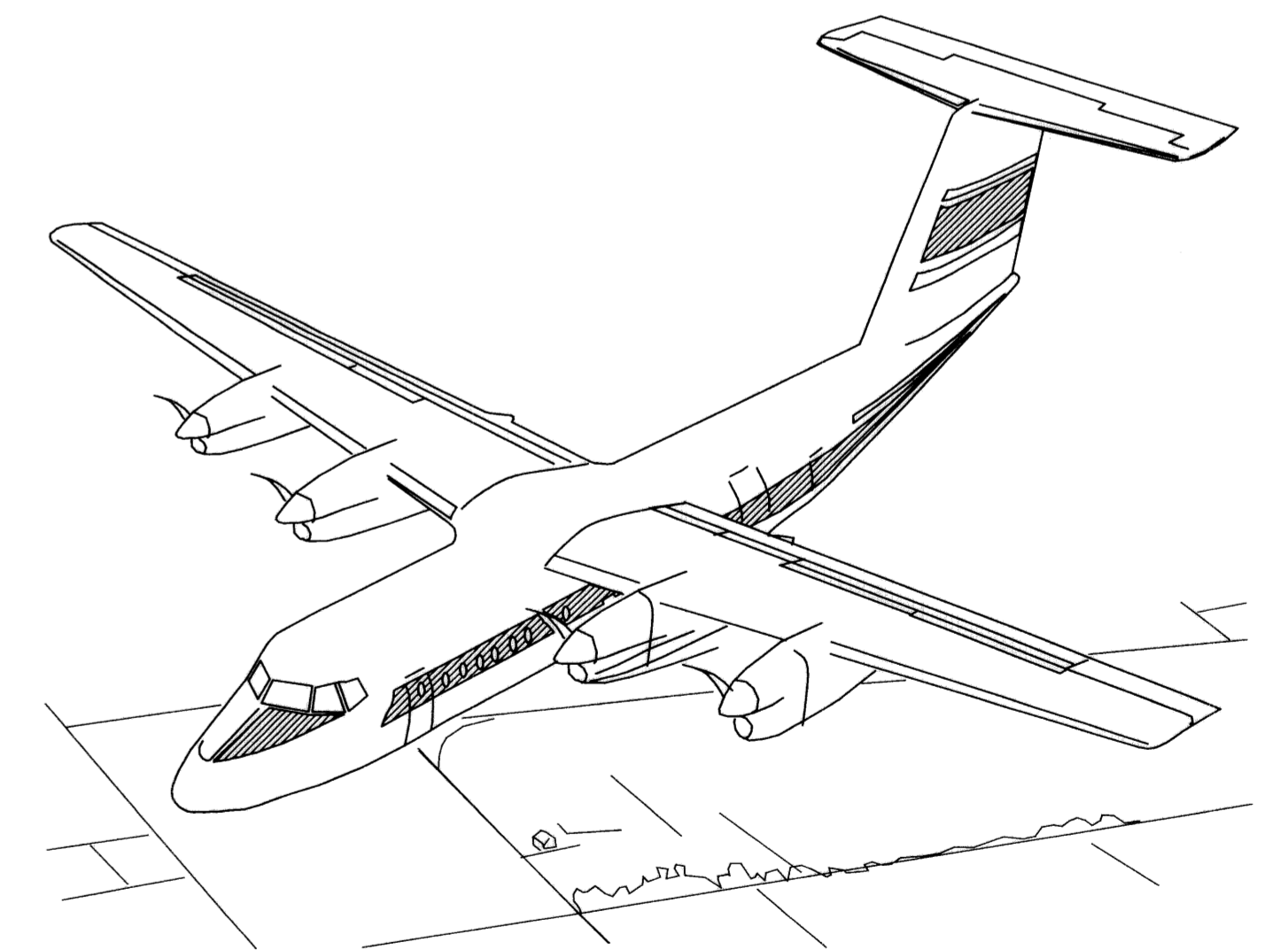
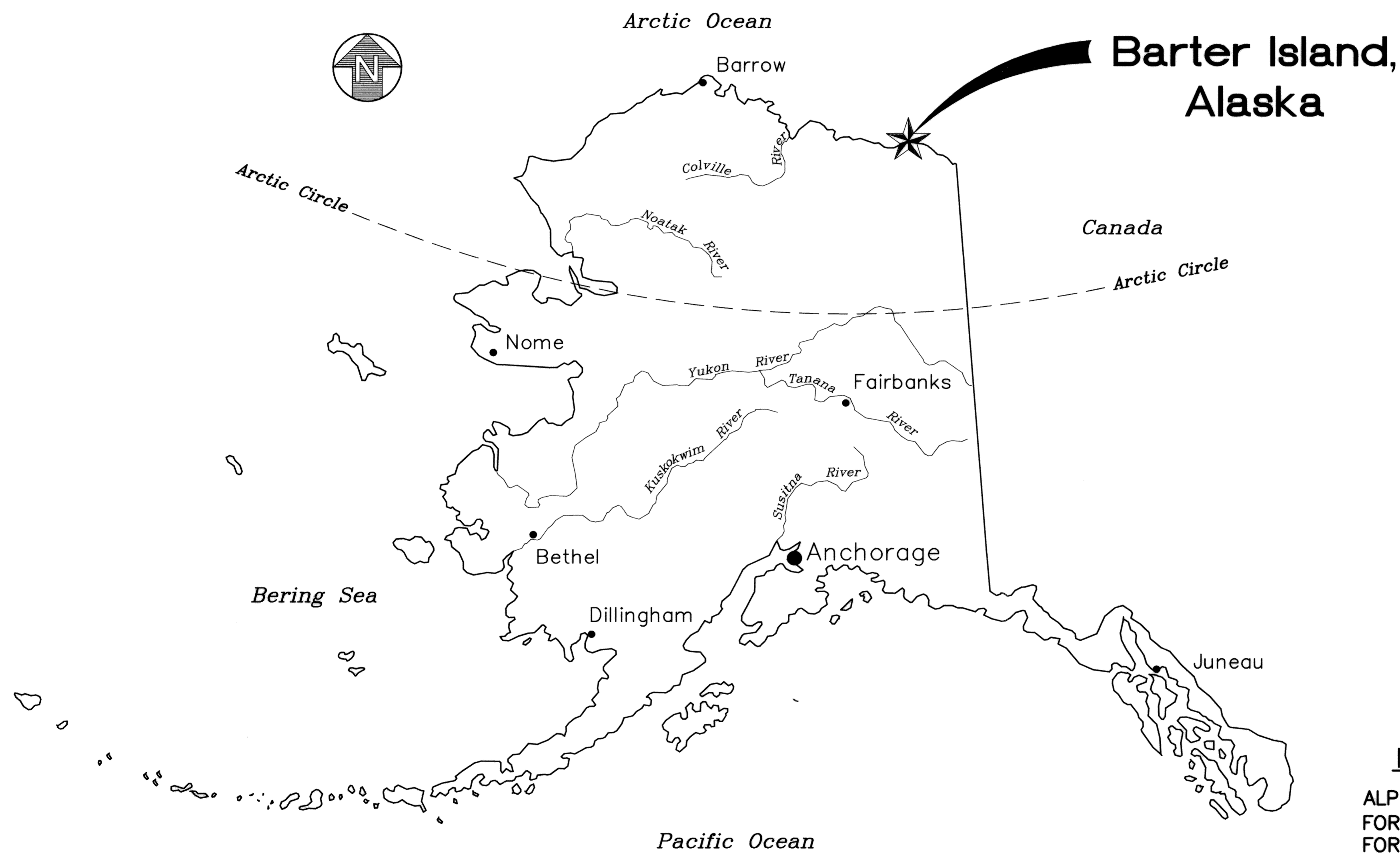


AIRPORT LAYOUT PLAN FOR BARTER ISLAND AIRPORT

2006

SHEET INDEX

- 1 - COVER SHEET AND SHEET INDEX
- 2 - VICINITY MAP AND DATA TABLES
- 3 - EXISTING AIRPORT LAYOUT PLAN
- 4 - NEAR TERM AIRPORT LAYOUT PLAN
- 5 - ULTIMATE AIRPORT LAYOUT PLAN
- 6 - NEAR TERM/ULTIMATE RUNWAY PROFILE
- 7 - INNER APPROACH SURFACE PLAN AND PROFILE-RUNWAY 7
- 8 - INNER APPROACH SURFACE PLAN AND PROFILE-RUNWAY 25
- 9 - AIRPORT AIRSPACE PLAN

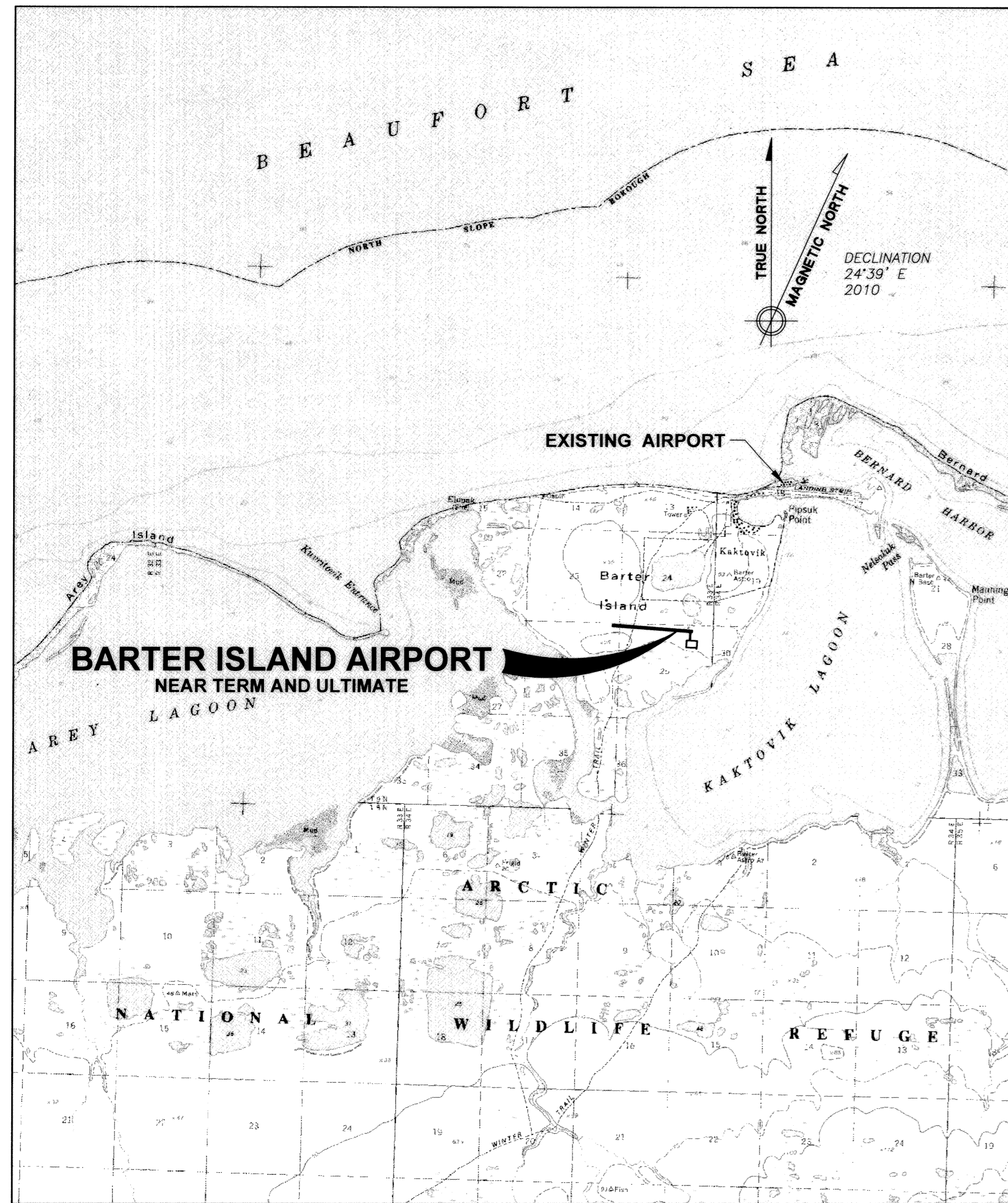


NOTE:

ALP DEPICTS ALTERNATIVE No.2 FOR NEAR TERM/ULTIMATE LAYOUTS FOR CONCEPTUAL PURPOSES ONLY AND DOES NOT IMPLY THE SELECTION OF A PREFERRED ALTERNATIVE.

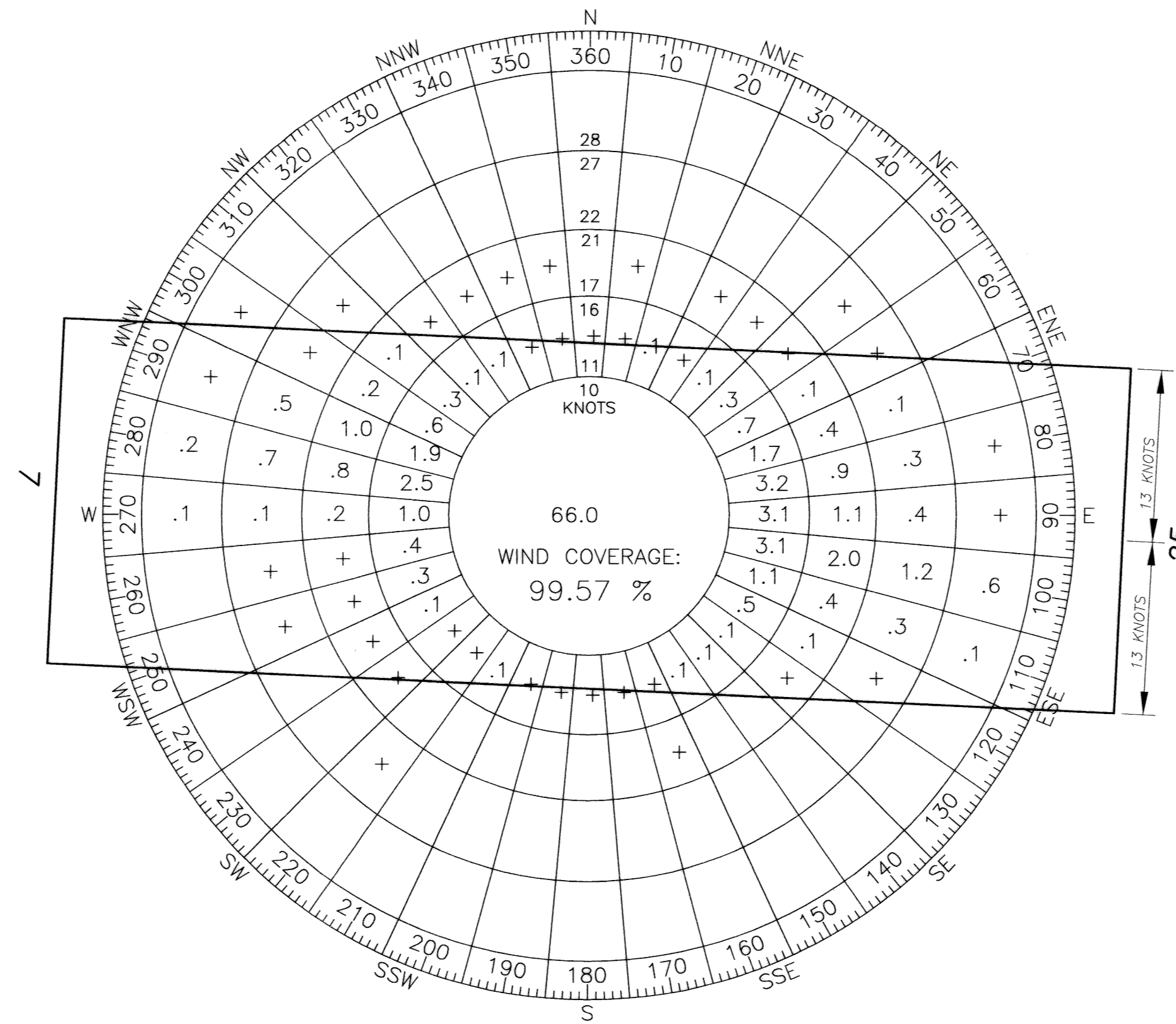
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 XREF: 02035_ALP_B001

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED <u>8/2/06</u> By: <u>[Signature]</u> DATE: <u>8/2/06</u> FAA AIRPORTS DIVISION ALASKAN REGION, AAL-612 DATE: 07/31/06 F.A.A. AIRSPACE REVIEW NUMBER: 006AAL-162NRA	AIRPORT SPONSOR: NORTH SLOPE BOROUGH APPROVED: <u>[Signature]</u> HATTENBURG DILLEY LINNELL LLC	DATE <u>07/31/06</u> DESIGN <u>MCY</u> DRAWN <u>KK</u> CHECKED <u>SLH</u>	BARTER ISLAND AIRPORT AIRPORT LAYOUT PLAN COVER SHEET AND SHEET INDEX	SHEET 1 OF 9												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">BY</th> <th style="width: 10%;">DATE</th> <th style="width: 80%;">REVISIONS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	BY	DATE	REVISIONS													
BY	DATE	REVISIONS														



VICINITY MAP

SECTIONS 17 & 18, T9N, R34E,
SECTIONS 25 & 26, T9N, R33E,
UMIAT MERIDIAN
U.S.G.S. BARTER ISLAND (A-5), ALASKA



WIND DATA COVERAGE PERIOD: 01/01/1997 to 12/31/1999
SOURCE DATA: WESTERN REGIONAL CLIMATE CENTER

WIND DATA

AIRPORT DATA TABLE				
ITEM	EXISTING	NEAR TERM	ULTIMATE	
ICAO IDENTIFIER	PABA	PABA	PABA	
NATIONAL AIRPORT IDENTIFIER	BTI	BTI	BTI	
AIRPORT ELEVATION (MSL NAVD88)	2'	42'	42'	
AIRPORT REFERENCE POINT (ARP NAD 83)	LAT. 70°08'02.36" N LONG. 143°34'54.72" W	LAT. 70°06'44.31" N LONG. 143°39'11.84" W	LAT. 70°06'44.31" N LONG. 143°39'11.84" W	
AIRPORT REFERENCE CODE	B II	B II	B II	
MEAN MAX. TEMPERATURE, HOTTEST MONTH	47° F, JULY	47° F, JULY	47° F, JULY	
AIRPORT AND TERMINAL NAVIGATION AIDS	NDB	NDB	NDB	
AIRPORT LIGHTING	AWOS, GPS	AWOS, GPS	AWOS, GPS	
TAXIWAY LIGHTING	MIRL	MIRL	MIRL	
RUNWAY OBSTRUCTION SURVEY SOURCE & TYPE	MITL	MITL	MITL	
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE	NONE	NONE	NONE	
			24°39' E (2010), - 0°31' (W) / YEAR	

RUNWAY DATA TABLE				
ITEM	RUNWAY 6/24		RUNWAY 7/25	
	EXISTING	NEAR TERM	NEAR TERM	ULTIMATE
APPROACH SURFACES	34:1/34:1		34:1/34:1	50:1/50:1
VISIBILITY MINIMUM	VISUAL		1 SM	1/2 SM
INSTRUMENT RUNWAY	NPI		NPI	PI
RUNWAY SURFACE	GRAVEL		GRAVEL	PAVED
PAVEMENT STRENGTH	lbs. N/A		N/A	155,000
RUNWAY TYPE	> THAN UTILITY		> THAN UTILITY	> THAN UTILITY
RUNWAY DIMENSIONS	150' x 4818'		100' x 4500'	100' x 4500'
AIRCRAFT APPROACH CATEGORY	B/B		B/B	B/B
AIRCRAFT DESIGN GROUP	II/II		II/II	II/II
RUNWAY TRUE BEARING	N 87°02'24" W		N87°21'33.56" W	N87°21'33.56" W
EFFECTIVE GRADE	0.05%		0.04%	0.04%
TOUCHDOWN ELEVATION (MSL NAVD88)	2.3' / -0.2'		41.2' / 39.1'	41.2' / 39.1'
RUNWAY THRESHOLD COORDINATES (NAD 83)				
RUNWAY 6/7	LAT. 70°08'03.58" N LONG. 143°36'04.30" W		LAT. 70°06'45.33" N LONG. 143°40'16.78" W	LAT. 70°06'45.33" N LONG. 143°40'16.78" W
RUNWAY 24/25	LAT. 70°08'01.13" N LONG. 143°33'45.14" W		LAT. 70°06'43.28" N LONG. 143°38'06.90" W	LAT. 70°06'43.28" N LONG. 143°38'06.90" W
RUNWAY SAFETY AREA (RSA)	150' x 4926'		150' x 5100'	300' x 5700'
RUNWAY 6/7 LENGTH BEYOND R/W END	54'		300'	600'
RUNWAY 24/25 LENGTH BEYOND R/W END	54'		300'	600'
RUNWAY PROTECTION ZONE (RPZ)	N/A		500'x700'x1000'	1000'x1750'x2500'
RUNWAY OBJECT FREE AREA (OFA)	400' x 4926'		500' x 5100'	800' x 5700'
RUNWAY OBSTACLE FREE ZONE (OFZ)	400' x 5236'		250' x 4900'	300' x 4900'
PRECISION RUNWAY OBSTACLE FREE ZONE (POFZ)	N/A		N/A	800' x 200'
RUNWAY LIGHTING	MIRL		MIRL	MIRL
RUNWAY MARKING	END PANELS		NONE	NONE
RUNWAY VISUAL AND INSTRUMENT NAVAIDS	REIL, VASI 4		PAPI, REIL	PAPI, REIL

NON-STANDARD CONDITIONS AND/OR MODIFICATIONS TO STANDARDS

ITEM	EXISTING	NEAR TERM	ULTIMATE
RUNWAY TO LANDFILL SEPARATION	9000'	5000'	5000'
RSA - LENGTH BEYOND R/W END	54'	300'	600'
ACCESS ROAD / RUNWAY CENTERLINE SEPARATION	100'	N/A	N/A
WINDCONE PENETRATES PART 77 SURFACE	YES	NO	NO

LEGEND		
ITEM	EXISTING	NEAR TERM / ULTIMATE
AIRPORT REFERENCE POINT (ARP)		○
BUILDINGS	■	
BUILDING RESTRICTION LINE (BRL)		—BRL—
FENCING		=====
PROPERTY LINE		-----
ROADS		=====
ROTATING BEACON		⊙
SHORELINE		-----
THRESHOLD		○ ○ ○
TREES		○ ○ ○
TOPOGRAPHIC CONTOURS	10	10
VASI OR PAPI		○ ○ ○
WIND CONE/SEGMENTED CIRCLE		⊙

TABLES ARE BASED ON ALP CHECKLIST (REVISED FOR ALASKA REGION 2/08/2005)

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED <u>8/2/06</u>			
By: <u>[Signature]</u>	DATE: <u>8/2/06</u>		
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-612			
F.A.A. AIRSPACE REVIEW NUMBER: 006AAL-162NRA		BY	DATE
		REVISIONS	

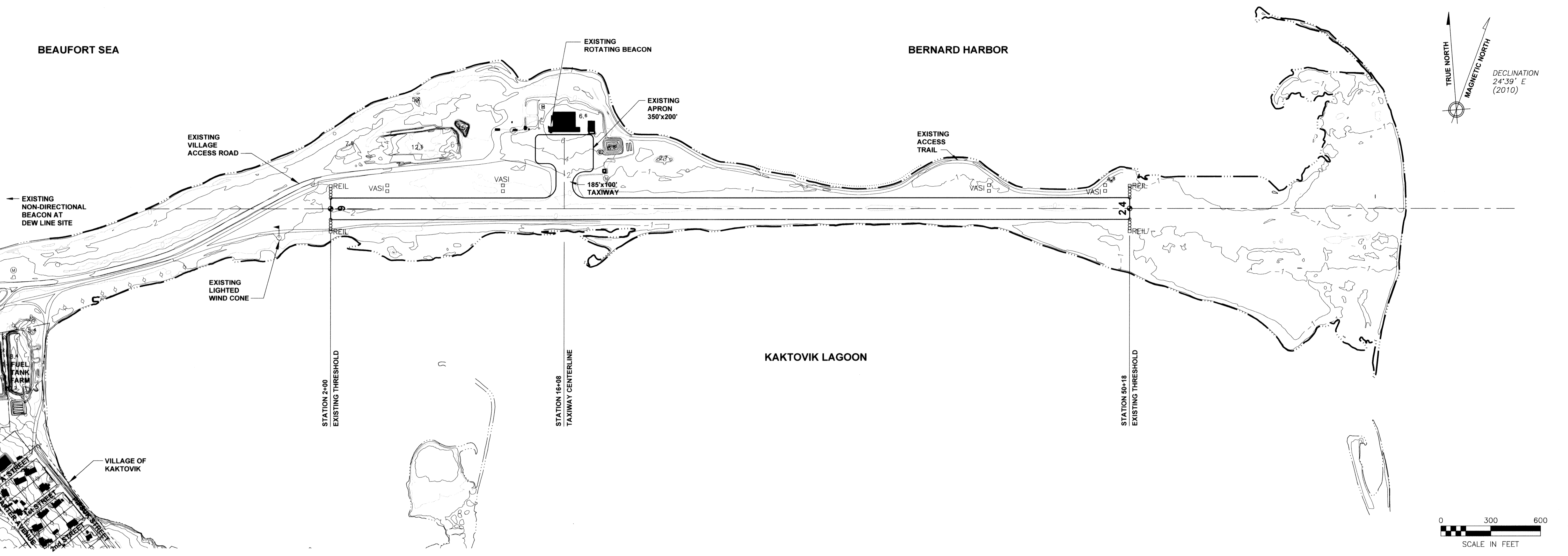
AIRPORT SPONSOR:
NORTH SLOPE BOROUGH

DATE 07/31/06
DESIGN MCY
DRAWN KK
CHECKED SLH

BARTER ISLAND AIRPORT
AIRPORT LAYOUT PLAN
VICINITY MAP AND DATA TABLES

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OF
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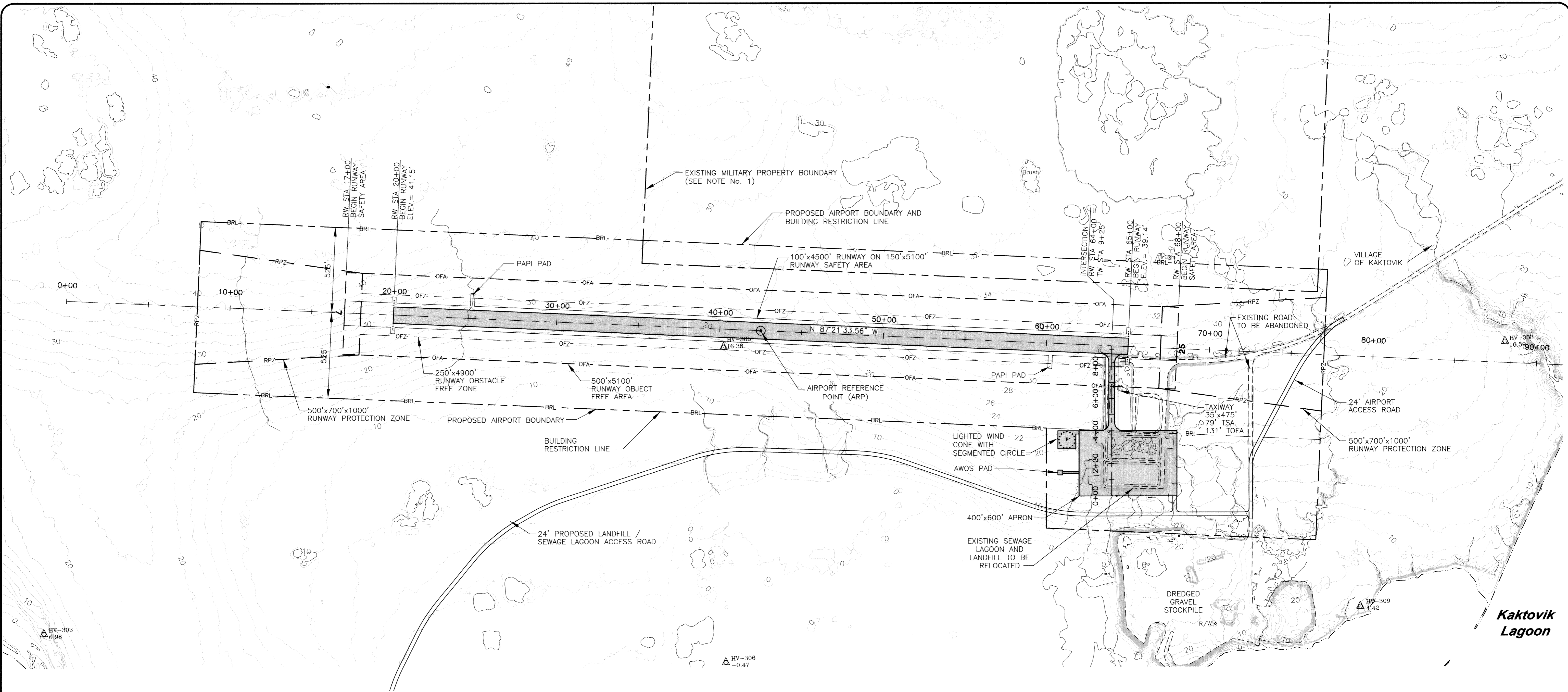
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BARTER ISLAND AIRPORT - EXISTING AIRPORT LAYOUT PLAN

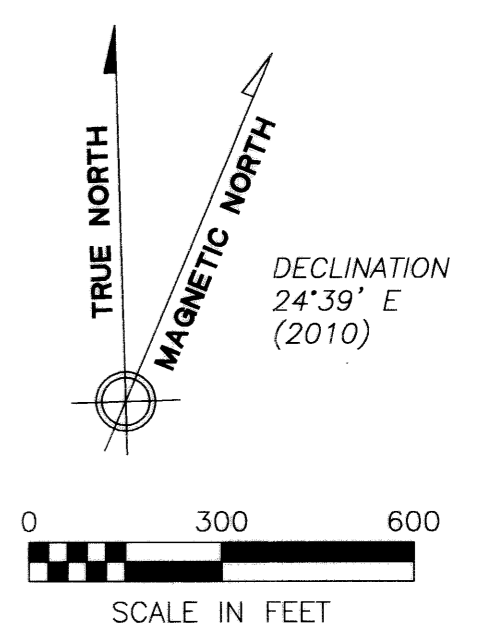
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BY	DATE	REVISIONS															

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 XREF: 02035_ALP_BD01, 02035_ALP_X001



BARTER ISLAND AIRPORT - NEAR TERM AIRPORT LAYOUT PLAN

NOTE:
 1. THE DEPARTMENT OF DEFENSE IS IN THE PROCESS OF DISPOSING OF THIS LAND AND IT IS EXPECTED THAT THIS LAND WILL BE AVAILABLE FOR LEASE IN THE NEAR TERM.



AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
 SUBJECT TO ALP APPROVAL LETTER DATED 8/6/06
 By: [Signature] DATE: 8/2/06
 FAA, AIRPORTS DIVISION
 ALASKAN REGION, AAL- 612
 F.A.A. AIRSPACE REVIEW NUMBER: 006AAL-162NRA

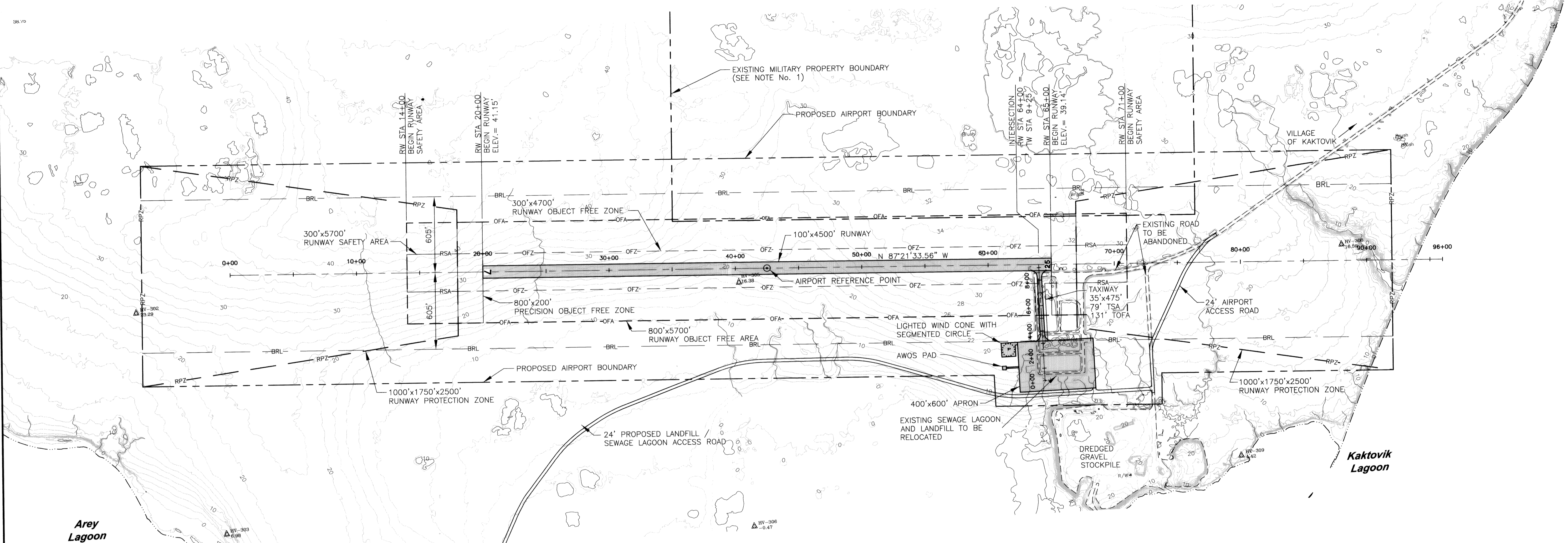
BY	DATE	REVISIONS

AIRPORT SPONSOR:
NORTH SLOPE BOROUGH

DATE 07/31/06
 DESIGN MCY
 DRAWN KK
 CHECKED SLH

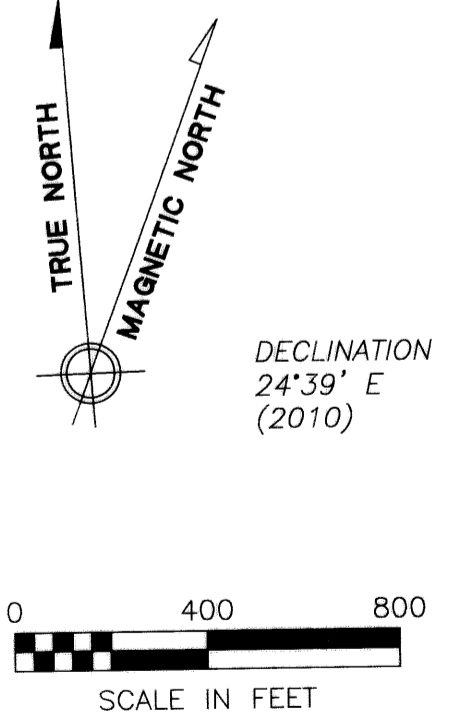
BARTER ISLAND AIRPORT
 AIRPORT LAYOUT PLAN
 NEAR TERM AIRPORT LAYOUT PLAN

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BARTER ISLAND AIRPORT - ULTIMATE AIRPORT LAYOUT PLAN

NOTE:
 1. THE DEPARTMENT OF DEFENSE IS IN THE PROCESS OF DISPOSING OF THIS LAND AND IT IS EXPECTED THAT THIS LAND WILL BE AVAILABLE FOR LEASE IN THE NEAR TERM.



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 LAYOUT: Sheet 4
 XREF: 02035_ALP_BD01, 02035_ALP_X001

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED <u>8/2/06</u>			
By: <u>J. J. Smith</u> FAA AIRPORTS DIVISION ALASKAN REGION, AAL-612	DATE: <u>8/2/06</u>		
F.A.A. AIRSPACE REVIEW NUMBER: 006AAL-162NRA	BY	DATE	REVISIONS

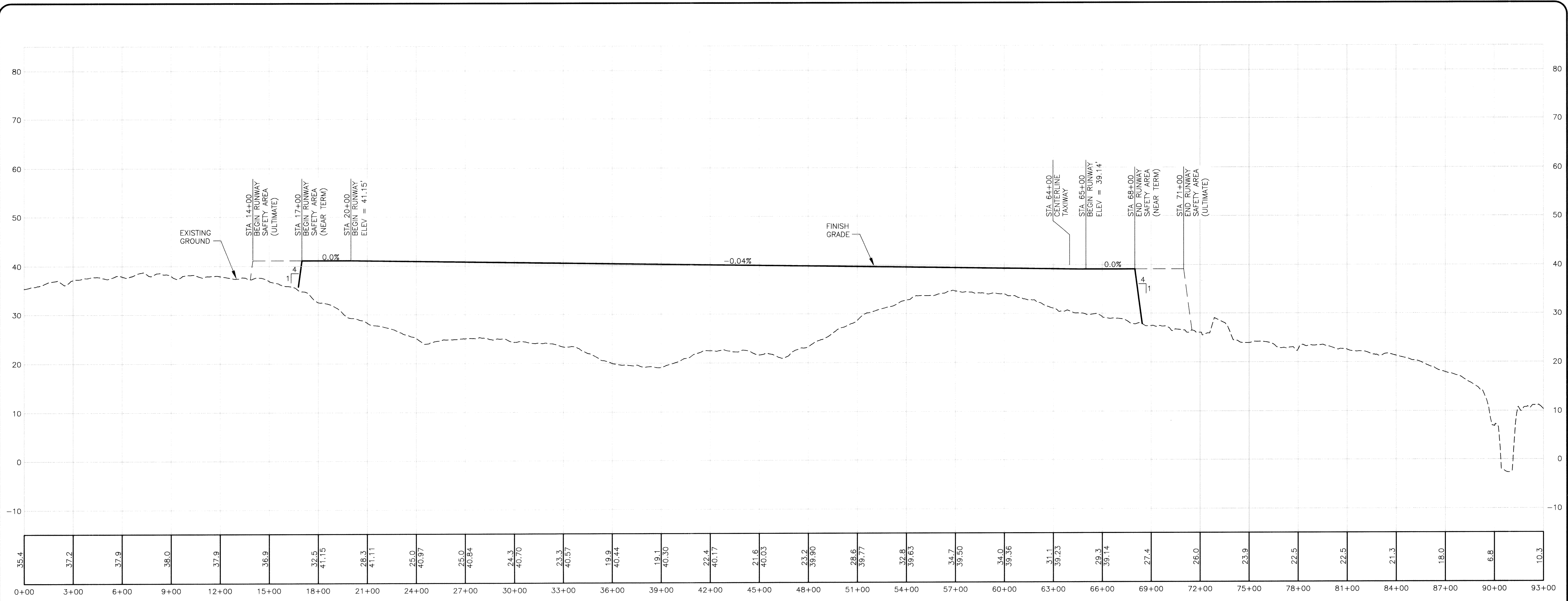
AIRPORT SPONSOR:
NORTH SLOPE BOROUGH

DATE 07/31/06
 DESIGN MCY
 DRAWN KK
 CHECKED SLH

BARTER ISLAND AIRPORT
 AIRPORT LAYOUT PLAN
 ULTIMATE AIRPORT LAYOUT PLAN

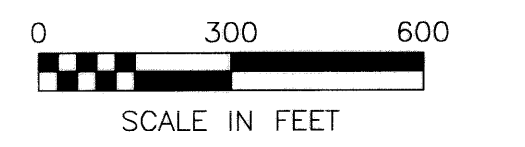
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 LAYOUT: Sheet 6
 XREF: 02035_ALP_BD01



35.4	37.2	37.9	38.0	37.9	36.9	32.5 41.15	28.3 41.11	25.0 40.97	25.0 40.84	24.3 40.70	23.3 40.57	19.9 40.44	19.1 40.30	22.4 40.17	21.6 40.03	23.2 39.90	28.6 39.77	32.8 39.63	34.7 39.50	34.0 39.36	31.1 39.23	29.3 39.14	27.4	26.0	23.9	22.5	22.5	21.3	18.0	6.8	10.3
0+00	3+00	6+00	9+00	12+00	15+00	18+00	21+00	24+00	27+00	30+00	33+00	36+00	39+00	42+00	45+00	48+00	51+00	54+00	57+00	60+00	63+00	66+00	69+00	72+00	75+00	78+00	81+00	84+00	87+00	90+00	93+00

NEAR TERM/ULTIMATE RUNWAY PROFILE



AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
 SUBJECT TO ALP APPROVAL LETTER DATED 8/2/06
 By: [Signature] DATE: 8/2/06
 F.A.A. AIRPORTS DIVISION
 ALASKAN REGION, AAL-612
 F.A.A. AIRSPACE REVIEW NUMBER: 006AAL-162NRA

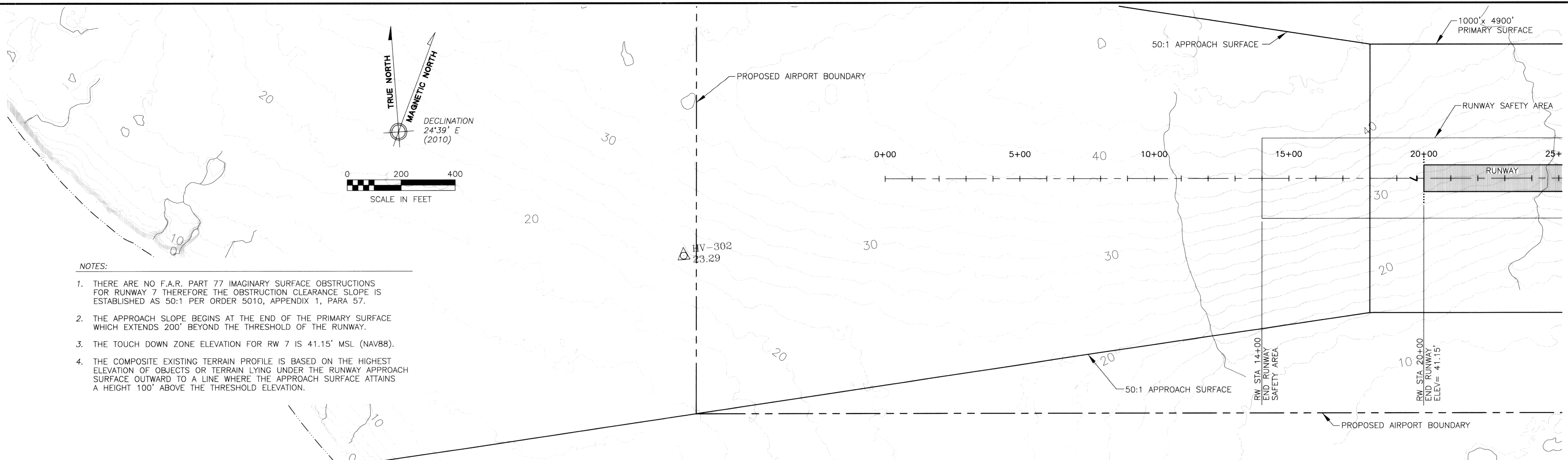
BY	DATE	REVISIONS

AIRPORT SPONSOR:
NORTH SLOPE BOROUGH

DATE 07/31/06
 DESIGN MCY
 DRAWN KK
 CHECKED SLH

BARTER ISLAND AIRPORT
 AIRPORT LAYOUT PLAN
 NEAR TERM/ULTIMATE RUNWAY PROFILE

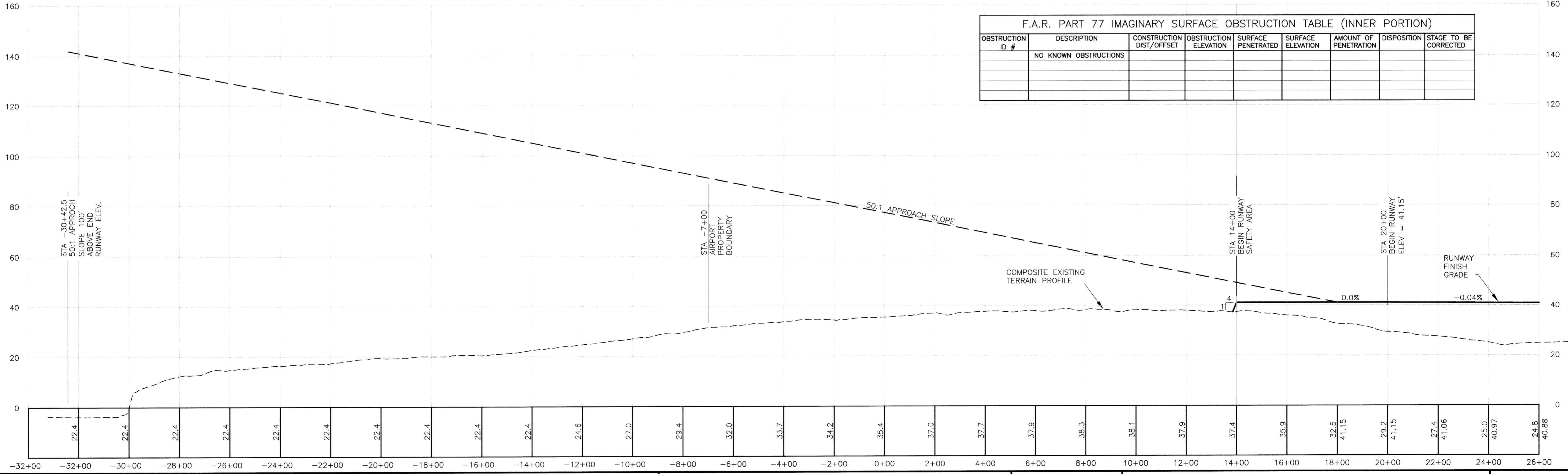
SHEET
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 OF
9



NOTES:

1. THERE ARE NO F.A.R. PART 77 IMAGINARY SURFACE OBSTRUCTIONS FOR RUNWAY 7 THEREFORE THE OBSTRUCTION CLEARANCE SLOPE IS ESTABLISHED AS 50:1 PER ORDER 5010, APPENDIX 1, PARA 57.
2. THE APPROACH SLOPE BEGINS AT THE END OF THE PRIMARY SURFACE WHICH EXTENDS 200' BEYOND THE THRESHOLD OF THE RUNWAY.
3. THE TOUCH DOWN ZONE ELEVATION FOR RW 7 IS 41.15' MSL (NAV88).
4. THE COMPOSITE EXISTING TERRAIN PROFILE IS BASED ON THE HIGHEST ELEVATION OF OBJECTS OR TERRAIN LYING UNDER THE RUNWAY APPROACH SURFACE OUTWARD TO A LINE WHERE THE APPROACH SURFACE ATTAINS A HEIGHT 100' ABOVE THE THRESHOLD ELEVATION.

F.A.R. PART 77 IMAGINARY SURFACE OBSTRUCTION TABLE (INNER PORTION)								
OBSTRUCTION ID #	DESCRIPTION	CONSTRUCTION DIST/OFFSET	OBSTRUCTION ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT OF PENETRATION	DISPOSITION	STAGE TO BE CORRECTED
	NO KNOWN OBSTRUCTIONS							



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 XREF: 02035_ALP_BD01, 02035_ALP_X001

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
 SUBJECT TO ALP APPROVAL LETTER DATED 8/2/06
 By: J.P. Smith DATE: 8/2/06
 FAA AIRPORTS DIVISION
 ALASKAN REGION, AAL-62
 F.A.A. AIRSPACE REVIEW NUMBER: 006AAL-162NRA

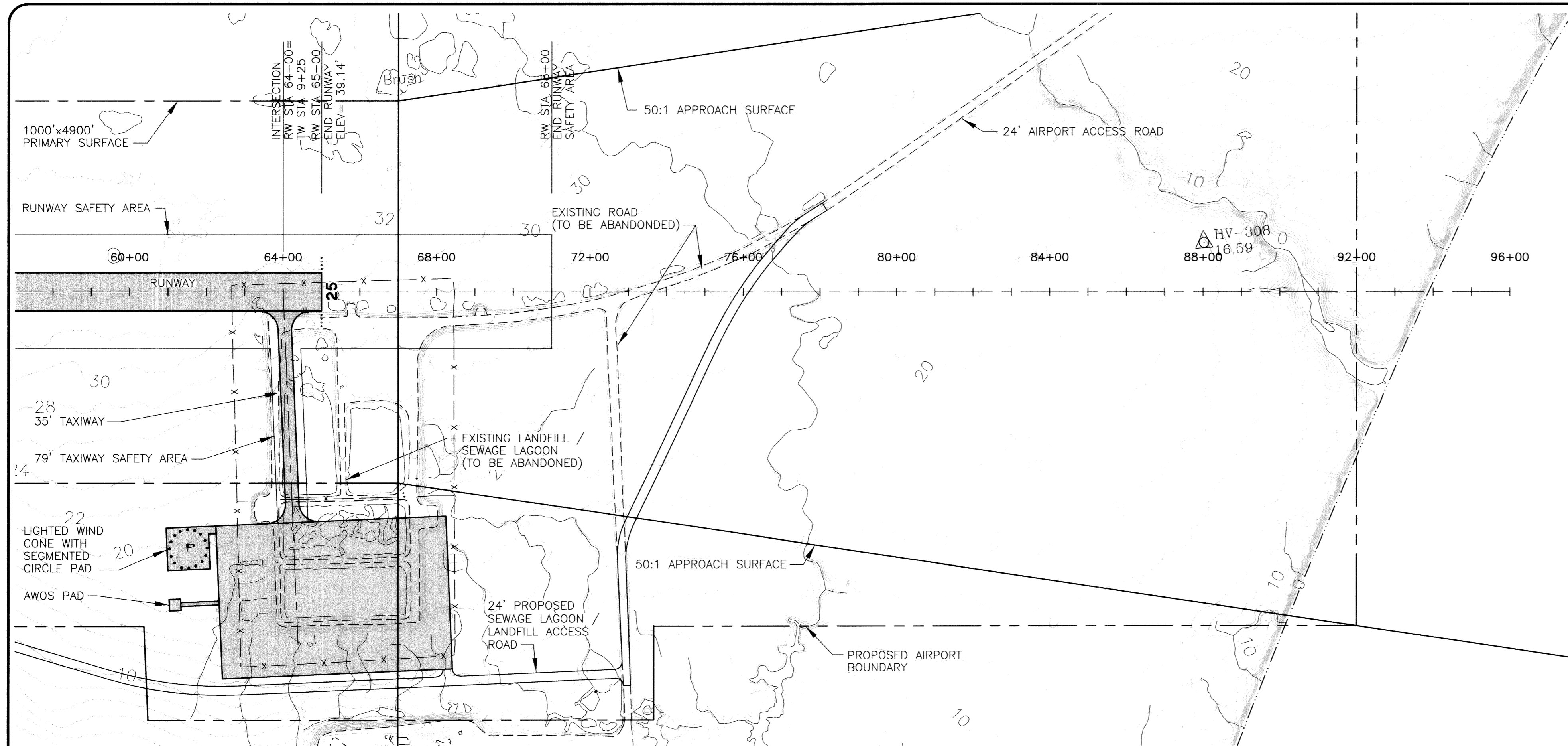
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AIRPORT SPONSOR:
NORTH SLOPE BOROUGH

DATE 07/31/06
 DESIGN MCY
 DRAWN KK
 CHECKED SLH

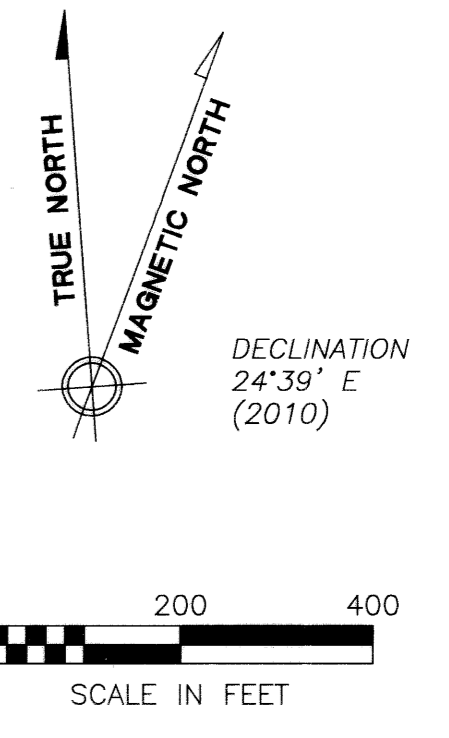
BARTER ISLAND AIRPORT
 AIRPORT LAYOUT PLAN
 INNER APPROACH SURFACE PLAN AND PROFILE
 RUNWAY 7

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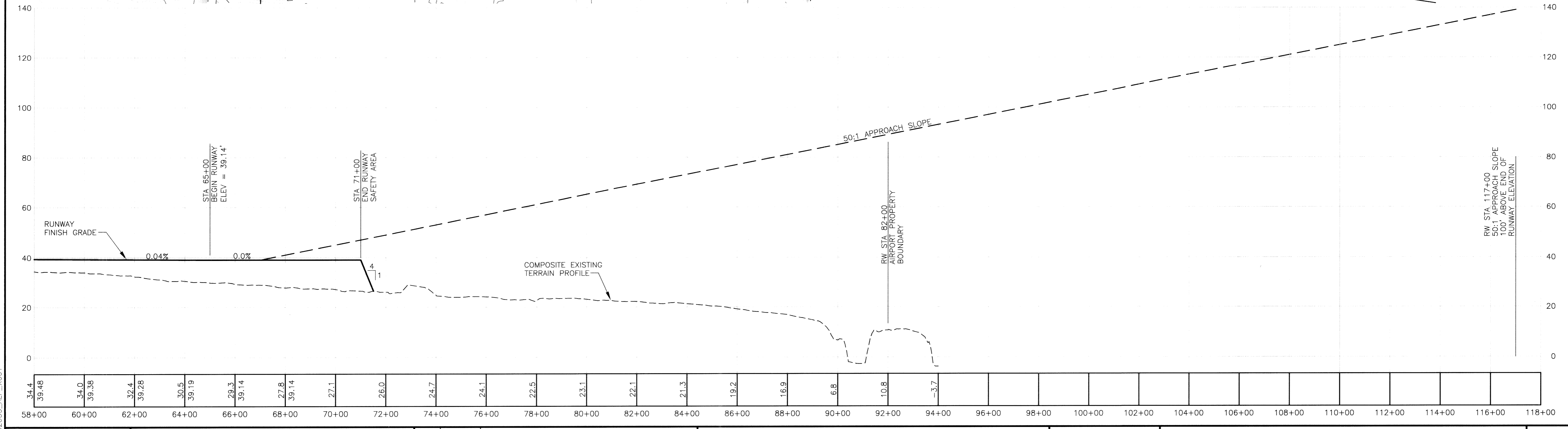
NOTES:

1. THERE ARE NO F.A.R. PART 77 IMAGINARY SURFACE OBSTRUCTIONS FOR RUNWAY 25 THEREFORE THE OBSTRUCTION CLEARANCE SLOPE IS ESTABLISHED AS 50:1 PER ORDER 5010, APPENDIX 1, PARA 57.
2. THE APPROACH SLOPE BEGINS AT THE END OF THE PRIMARY SURFACE WHICH EXTENDS 200' BEYOND THE THRESHOLD OF THE RUNWAY.
3. THE TOUCH DOWN ZONE ELEVATION FOR RW 25 IS 39.14' MSL (NAV88).
4. THE COMPOSITE EXISTING TERRAIN PROFILE IS BASED ON THE HIGHEST ELEVATION OF OBJECTS OR TERRAIN LYING UNDER THE RUNWAY APPROACH SURFACE OUTWARD TO A LINE WHERE THE APPROACH SURFACE ATTAINS A HEIGHT 100' ABOVE THE THRESHOLD ELEVATION.



F.A.R. PART 77 IMAGINARY SURFACE OBSTRUCTION TABLE (INNER PORTION)

OBSTRUCTION ID #	DESCRIPTION	CONSTRUCTION DIST/OFFSET	OBSTRUCTION ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT OF PENETRATION	DISPOSITION	STAGE TO BE CORRECTED
	NO KNOWN OBSTRUCTIONS							



FILE: 02035_ALP_SHEET 08.DWG
 DATE: 07/31/06
 XREF: 02035_ALP_BR01, 02035_ALP_X001

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED <i>8/2/06</i>		
By: <i>J.M. Smith</i> FAA, AIRPORTS DIVISION ALASKAN REGION, AAL- <i>612</i>	DATE: <i>8/2/06</i>	
F.A.A. AIRSPACE REVIEW NUMBER: 006AAL-162NRA	BY: _____ DATE: _____	REVISIONS: _____

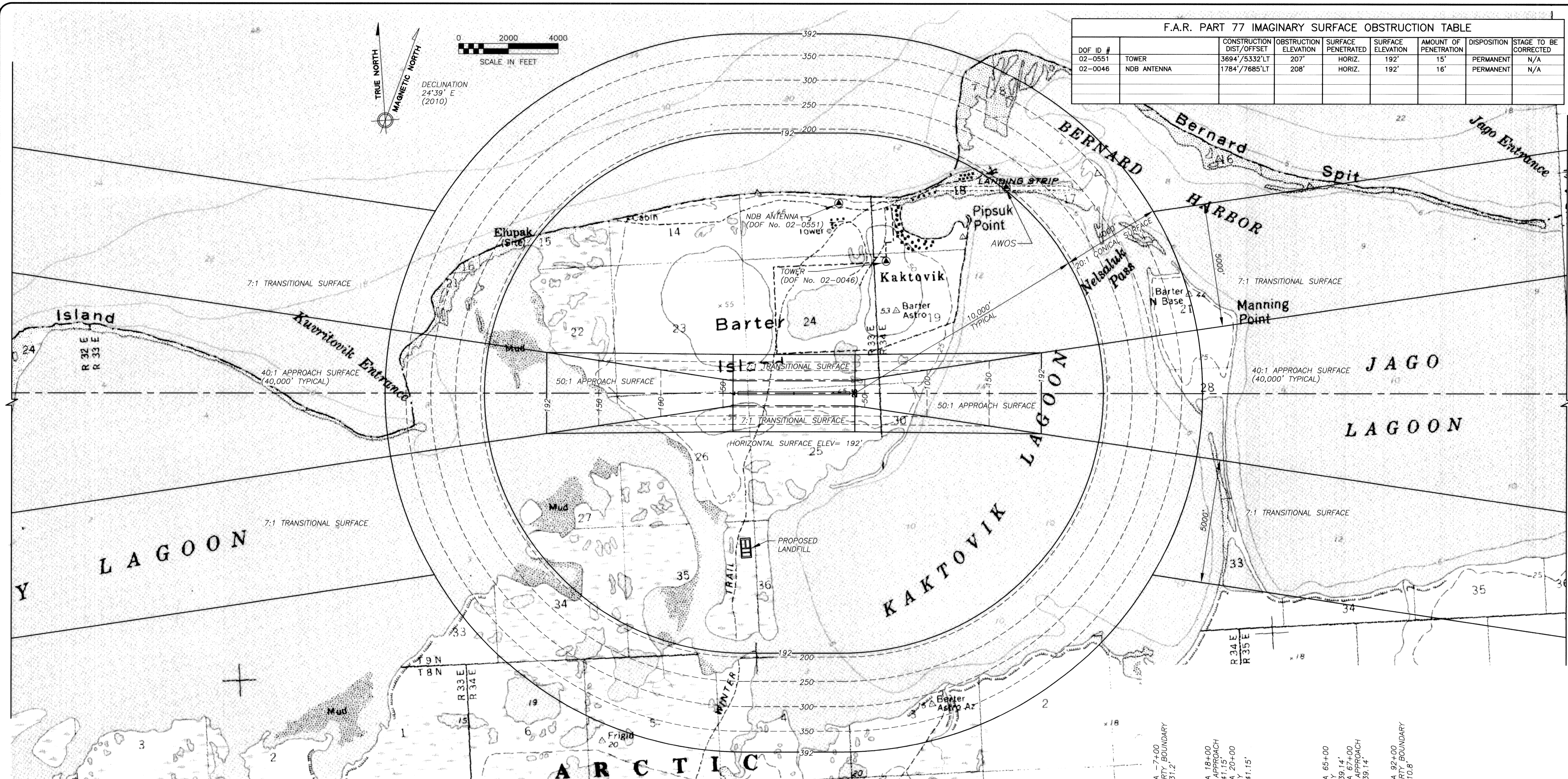
AIRPORT SPONSOR:
NORTH SLOPE BOROUGH

DATE: 07/31/06
DESIGN: MCY
DRAWN: KK
CHECKED: SLH

BARTER ISLAND AIRPORT
 AIRPORT LAYOUT PLAN
 INNER APPROACH SURFACE PLAN AND PROFILE
 RUNWAY 25

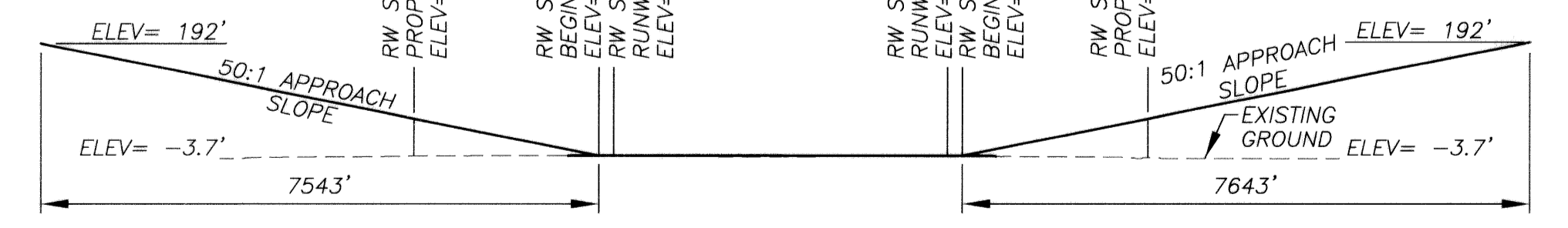
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 XREF: 02035_ALP_BR01, 02035_ALP_X001

F.A.R. PART 77 IMAGINARY SURFACE OBSTRUCTION TABLE									
DOF ID #		CONSTRUCTION DIST/OFFSET	OBSTRUCTION ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT OF PENETRATION	DISPOSITION	STAGE TO BE CORRECTED	
02-0551	TOWER	3694'/5332'LT	207'	HORIZ.	192'	15'	PERMANENT	N/A	
02-0046	NDB ANTENNA	1784'/7685'LT	208'	HORIZ.	192'	16'	PERMANENT	N/A	



SECTIONS 17 & 18, T9N, R34E,
SECTIONS 25 & 26, T9N, R33E,
UMIAT MERIDIAN
U.S.G.S. BARTER ISLAND (A-5), ALASKA

- NOTES:
- AIRPORT ELEVATION IS 42.0' (MSL).
 - APPROACH SURFACES BEGIN 200' BEYOND THRESHOLD.
 - BASE MAP DATA FROM USGS QUAD BARTER ISLAND A-5, ALASKA.
 - REFER TO THE INNER PORTION OF THE APPROACH SURFACE FOR CLOSE-IN OBSTRUCTIONS.



APPROACH PROFILE
NOT TO SCALE

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
SUBJECT TO ALP APPROVAL LETTER DATED 8/2/06
By: [Signature] DATE: 8/2/06
FAA, AIRPORTS DIVISION
ALASKAN REGION, AAL- 612
F.A.A. AIRSPACE REVIEW NUMBER: 006AAL-162NRA

BY	DATE	REVISIONS

AIRPORT SPONSOR:
NORTH SLOPE BOROUGH

DATE 07/31/06
DESIGN MCY
DRAWN KK
CHECKED SLH

BARTER ISLAND AIRPORT
AIRPORT LAYOUT PLAN
AIRPORT AIRSPACE PLAN

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 XREF: 02035_ALP_BD01, 02035_ALP_X001
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 DATE: 07/31/06