

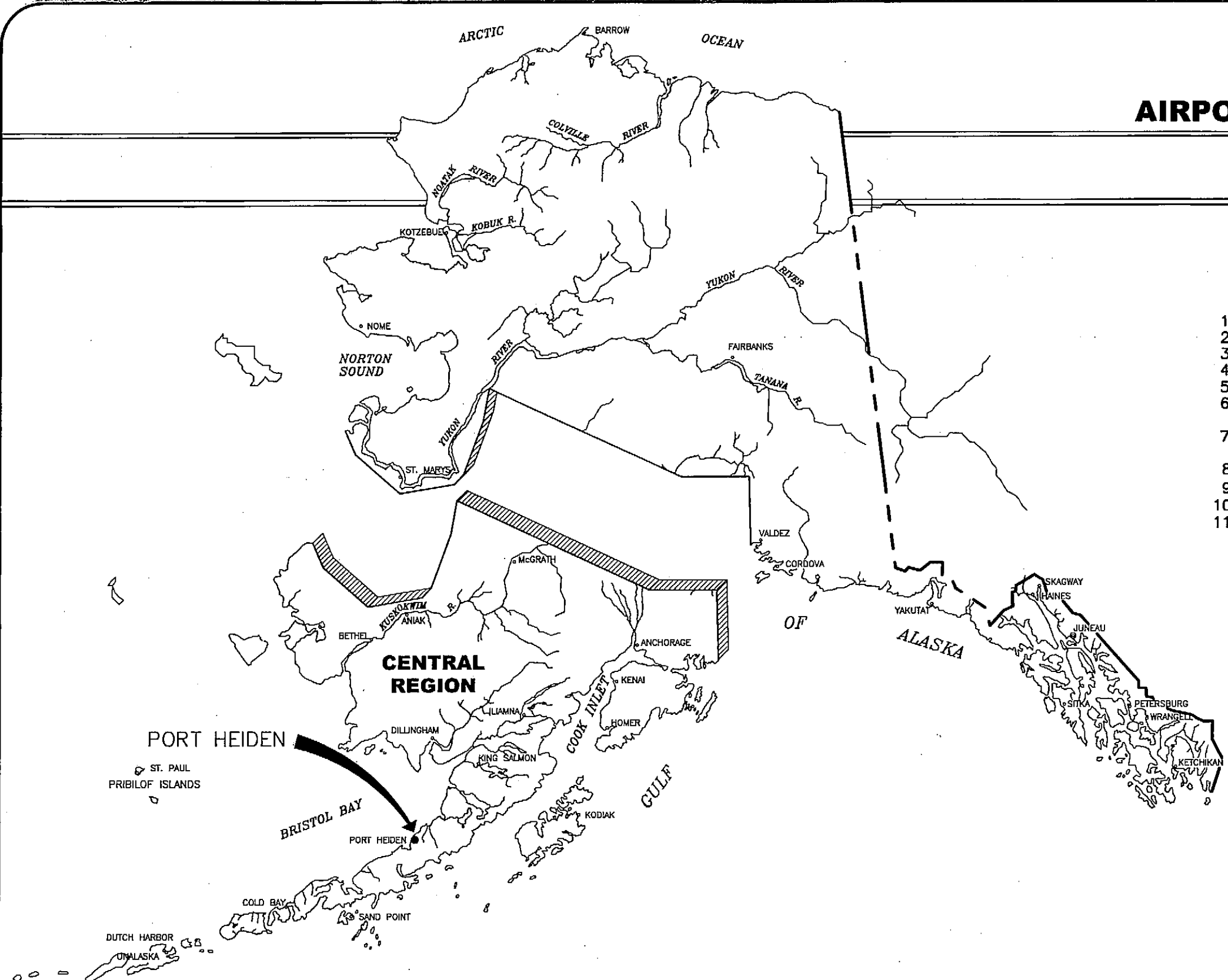
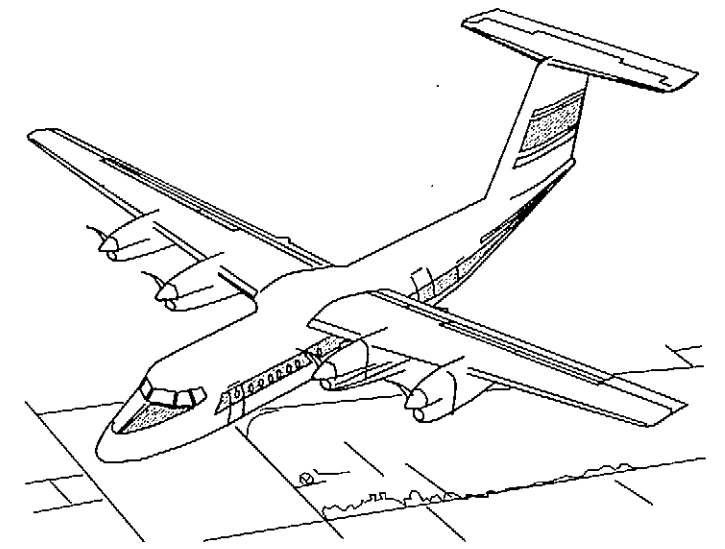
AIRPORT LAYOUT PLAN FOR

PORT HEIDEN

2002

DRAWING INDEX

- 1 - COVER SHEET AND INDEX
- 2 - VICINITY MAP, WIND ROSE, AND DATA TABLES
- 3 - EXISTING LAYOUT PLAN
- 4 - R/W 5/23 PLAN & PROFILE
- 5 - R/W 13/31 PLAN & PROFILE
- 6 - RUNWAY 5/23
INNER PORTION OF THE APPROACH SURFACE
- 7 - RUNWAY 13/31
INNER PORTION OF THE APPROACH SURFACE
- 8 - AIRPORT AIRSPACE
- 9 - TERMINAL AREA PLAN
- 10 - PROPERTY PLAN
- 11 - NARRATIVE REPORT



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

CONCUR *[Signature]* **DATE** 8/5/02
GORDON C. KEITH **CONSTRUCTION & OPERATIONS DIRECTOR**

APPROVED *[Signature]* **DATE** 8-5-02
STEVEN R. HORN, P.E. **REGIONAL PRECONSTRUCTION ENGINEER**

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL
SUBJECT TO ALP APPROVAL LETTER DATED 9-16-02

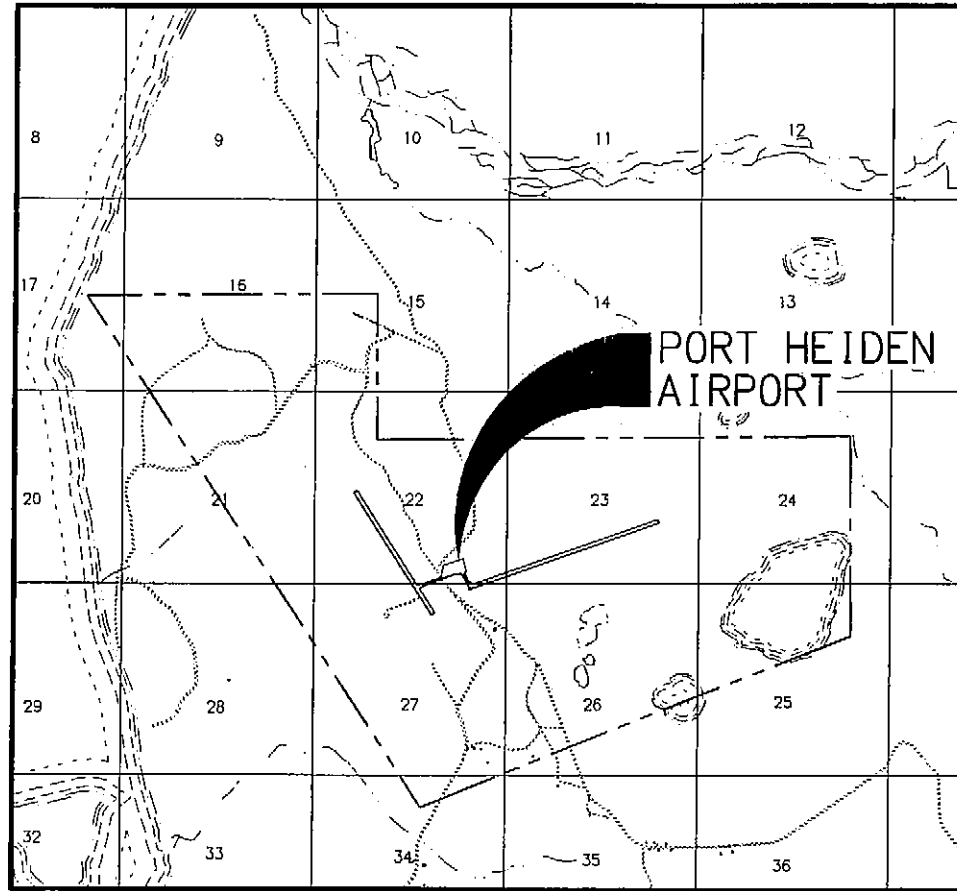
By: *[Signature]* **DATE** 9-16-02

FAA AIRSPACE REVIEW NUMBER:
02-AAL-007-NRA

ALASKAN REGION, AAL-801

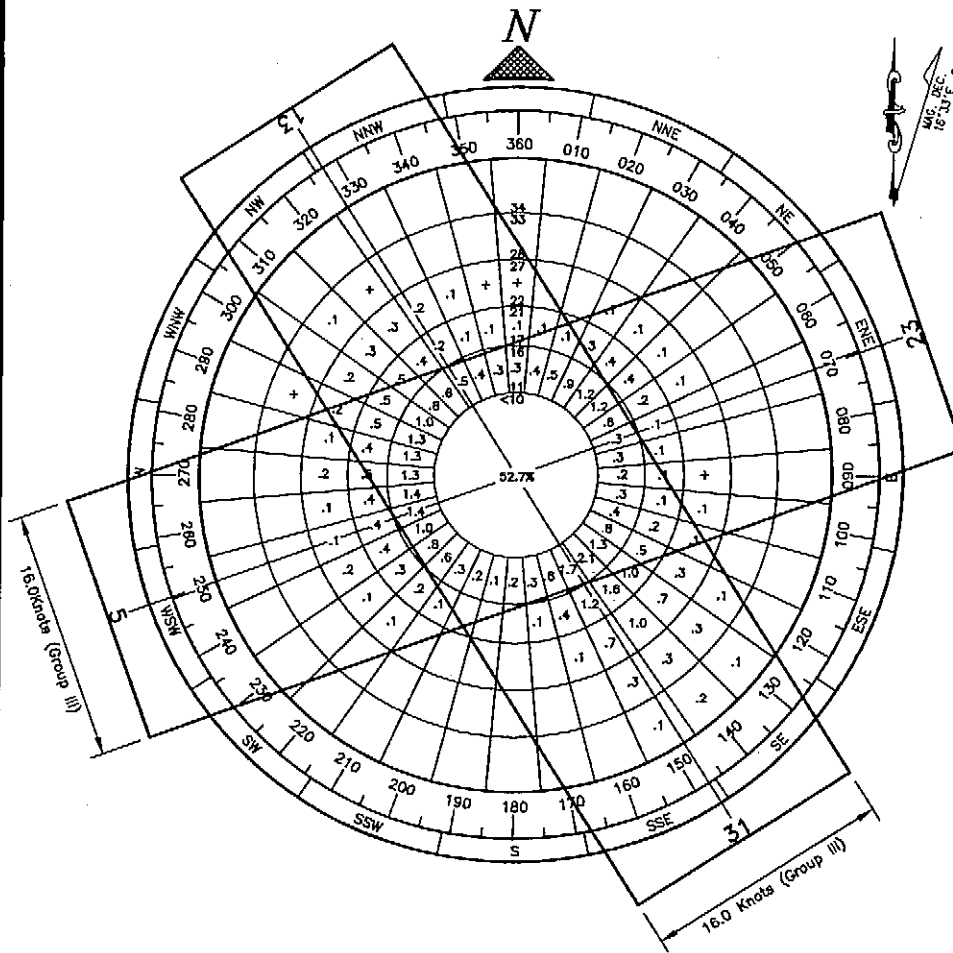
**PORT HEIDEN
AIRPORT LAYOUT PLAN**

SHEET 1 OF 11



VICINITY MAP

1:100,000
2" = 1 MILE
T 37 S, R 59 W, SECTIONS 22, 23, 24, 26, 27
SEWARD MERIDIAN
U.S.G.S. CHIGNIK (D-2, D-3), ALASKA



WIND DATA

	SPEED	R/W 5/23	R/W 13/31	TOTAL
WIND COVERAGE:	16 KNOTS	89.43%	95.17%	99.87%
SOURCE:	ALASKA STATE CLIMATE CENTER E.N.R.I. UNIVERSITY OF ALASKA, ANCHORAGE 29 SEPTEMBER 1999			
PERIOD:	31 DEC 1991 TO 14 SEP 1999			

ITEM	RUNWAY 5/23		RUNWAY 13/31	
	EXISTING	FUTURE	EXISTING	FUTURE
% WIND COVERAGE	16 KNOTS	89.43	89.43	95.17
INSTRUMENT RUNWAY	NPI (5)	NPI	NPI (13)	NPI
RUNWAY SURFACE	GRAVEL	GRAVEL	GRAVEL	GRAVEL
PAVEMENT STRENGTH	[lb.]	N/A	N/A	N/A
APPROACH SURFACES	34:1(5), 20:1(23)	34:1	34:1(13), 20:1(31)	34:1
VISIBILITY MINIMUM	1 MILE	1 MILE	1 MILE	1 MILE
RUNWAY LIGHTING	M.I.	M.I.	M.I.	M.I.
RUNWAY MARKING	NONE	NONE	NONE	NONE
RUNWAY NAVIGATION AIDS	VASI, REIL	VASI, REIL	PAPI, REIL	PAPI, REIL
AIRCRAFT APPROACH CATEGORY	C	B	C	B
AIRCRAFT DESIGN GROUP	III	III	III	III
RUNWAY DIMENSION	100' x 6,250'	100' x 5,000'	100' x 4,600'	100' x 4,000'
RUNWAY SAFETY AREA DIMENSION	200' x 7,050'	300' x 6,200'	200' x 5,400'	300' x 5,200'
RUNWAY OBJECT FREE AREA DIMENSION	800' x 8,250'	800' x 6,200'	800' x 6,600'	800' x 5,200'
RUNWAY OBSTACLE FREE ZONE DIMENSION	400' x 6,650'	400' x 5,400'	400' x 5,000'	400' x 4,400'
RUNWAY PROTECTION ZONE	500' x 1,010' x 1,700' (05)	500' x 1,010' x 1,700' (05)	500' x 1,010' x 1,700' (13)	500' x 1,010' x 1,700' (13)
	500' x 700' x 1,000' (23)	500' x 1,010' x 1,700' (23)	500' x 700' x 1,000' (31)	500' x 1,010' x 1,700' (31)
GEODEIC POSITIONS (N.A.D. 83)				
THRESHOLD R/W 5	LAT.	56°57'24.12"N	56°57'24.78"N	
	LONG.	158°38'06.65"W	158°38'03.25"W	
THRESHOLD R/W 23	LAT.	56°57'44.82"N	56°57'41.34"N	
	LONG.	158°38'20.47"W	158°38'38.31"W	
THRESHOLD R/W 13	LAT.		56°57'52.33"N	56°57'49.01"N
	LONG.		158°39'12.54"W	158°39'08.66"W
THRESHOLD R/W 31	LAT.		56°57'14.11"N	56°57'15.78"N
	LONG.		158°38'27.92"W	158°38'29.86"W

AIRPORT DATA

ITEM	EXISTING	FUTURE
AIRPORT ELEVATION (M.S.L.)*	96.95'	95.31'
AIRPORT REFERENCE POINT (A.R.P.) (NAD 83)	LAT. 56°57'33.95"N LONG. 158°37'54.55"W	56°57'32.77"N 158°38'00.11"W
TAXIWAY LIGHTING	M.I.	M.I.
RAMP LIGHTING	NONE	NONE
MEAN MAX. TEMPERATURE, HOTTEST MONTH (JULY)	14°C (57°F)	SAME
MAGNETIC DECLINATION, YEAR	19°2'E, 1985	16°33'E, 2001
AIRPORT REFERENCE CODE	C-III, OTHER	B-III, OTHER
AIRPORT TERMINAL NAVIGATION AIDS	ROT. BEACON	ROT. BEACON
AIRPORT NAVIGATION AIDS	NDB, DME	NDB, DME

*ELEVATIONS ARE REFERENCED TO THE ADOT&PF PUBLISHED ELEVATION OF NGS CONTROL STATION "HEIDEN SE BASE" AS REPORTED IN THE PORT HEIDEN AIRPORT, PHOTO CONTROL PROJECT REPORT PREPARED BY DOWL ENGINEERS. ELEVATION = 118.75'.

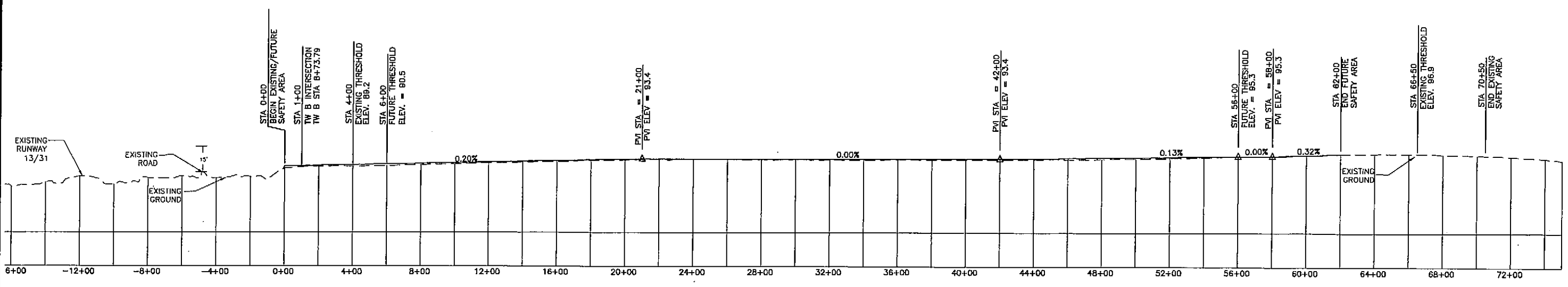
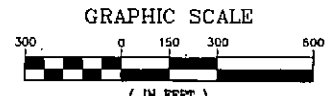
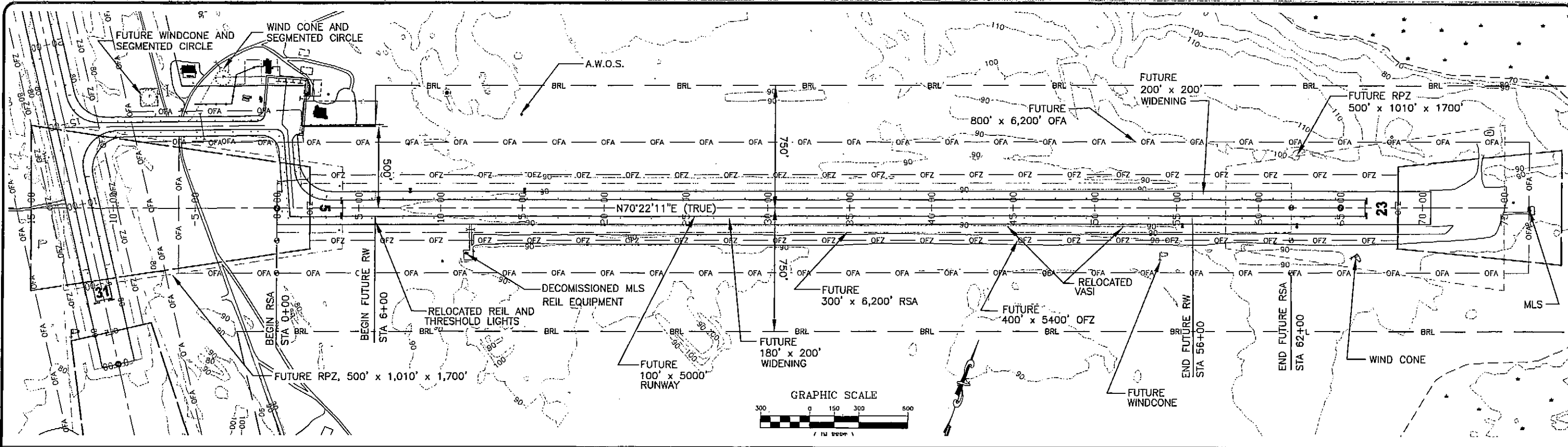
LEGEND

ITEM	EXISTING	FUTURE
PROPERTY LINE	---	---
BUILDING RESTRICTION LINE	---	---
AIRPORT REFERENCE POINT (A.R.P.)	●	●
WIND CONE AND SEGMENTED CIRCLE	⊙	⊙
CONTOURS	~100~	~100~
ROADWAYS	---	---
BUILDINGS	■	■
ROTATING BEACON	⊙	⊙
SHORELINE	~	~
ANTENNA	▲	▲
VASI	■ ■ ■	■ ■ ■
PAPI	■ ■ ■ ■	■ ■ ■ ■
FENCE	—x—x—x—	—x—x—x—
THRESHOLD LIGHTS	● ● ● ●	● ● ● ●
REIL	○	○
OBJECT FREE AREA	---OFA---	---OFA---
OBSTRUCTION FREE ZONE	---OFZ---	---OFZ---

NON-STANDARD CONDITIONS			
ITEM	EXISTING	STANDARD	FUTURE
RUNWAY 5/23 SAFETY AREA	200' x 7050'	300' x 6200'	300' x 6200'
RUNWAY 13/31 SAFETY AREA	200' x 5400'	300' x 5200'	300' x 5200'

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FILE: DATE:	<p>AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL</p> <p>By: <i>[Signature]</i> FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-801</p> <p>DATE: <u>9-16-02</u></p> <p>F.A.A. AIRSPACE REVIEW NUMBER: 02-AAL-007-NRA</p>			<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION</p> <p>APPROVED: <i>[Signature]</i> STEPHEN M. RYAN, P.E. DESIGN SECTION CHIEF</p> <p>APPROVED: <i>[Signature]</i> HARVEY M. DOUTHETT, P.E. PROJECT MANAGER</p>	<p>DATE <u>08/01/02</u></p> <p>DESIGN <u>JEG</u></p> <p>DRAWN <u>MGT</u></p> <p>CHECKED <u>TJS</u></p>	<p>PORT HEIDEN AIRPORT VICINITY MAP, WIND ROSE, AIRPORT LAYOUT PLAN DATA TABLES</p>	<p>SHEET 2 OF 11</p>
	BY	DATE	REVISIONS				



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AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL			
By:	<i>D. P. [Signature]</i>		
	FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-801		
DATE:	9-16-02		
	F.A.A. AIRSPACE REVIEW NUMBER: 02-AAL-007-NRA		
BY	DATE	REVISIONS	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

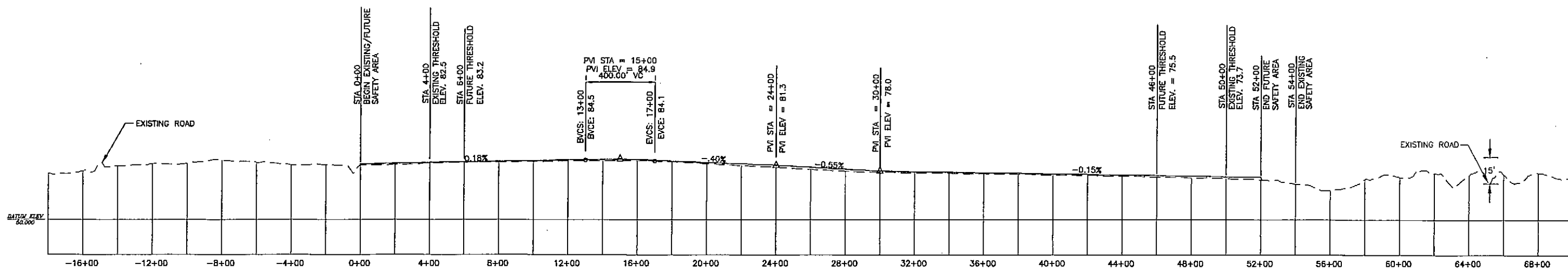
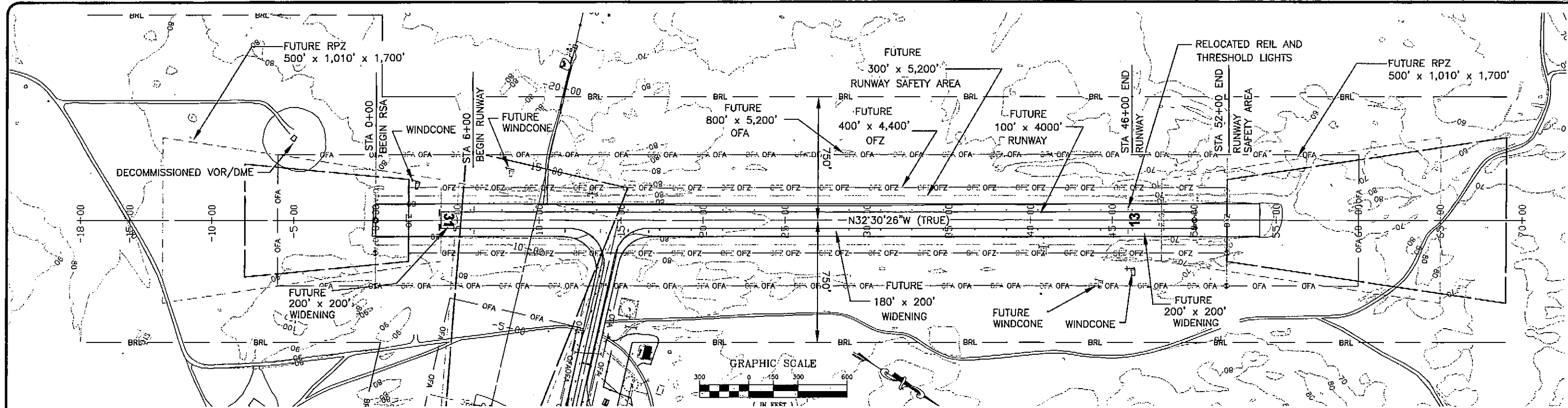
APPROVED: *[Signature]* DESIGN SECTION CHIEF
STEPHEN M. RYAN, P.E.

APPROVED: *[Signature]* PROJECT MANAGER
HARVEY M. DOUTHETT, P.E.

DATE 08/01/02
DESIGN JEG
DRAWN MGT
CHECKED TJS

PORT HEIDEN AIRPORT
AIRPORT LAYOUT PLAN
RUNWAY 5/23
PLAN AND PROFILE

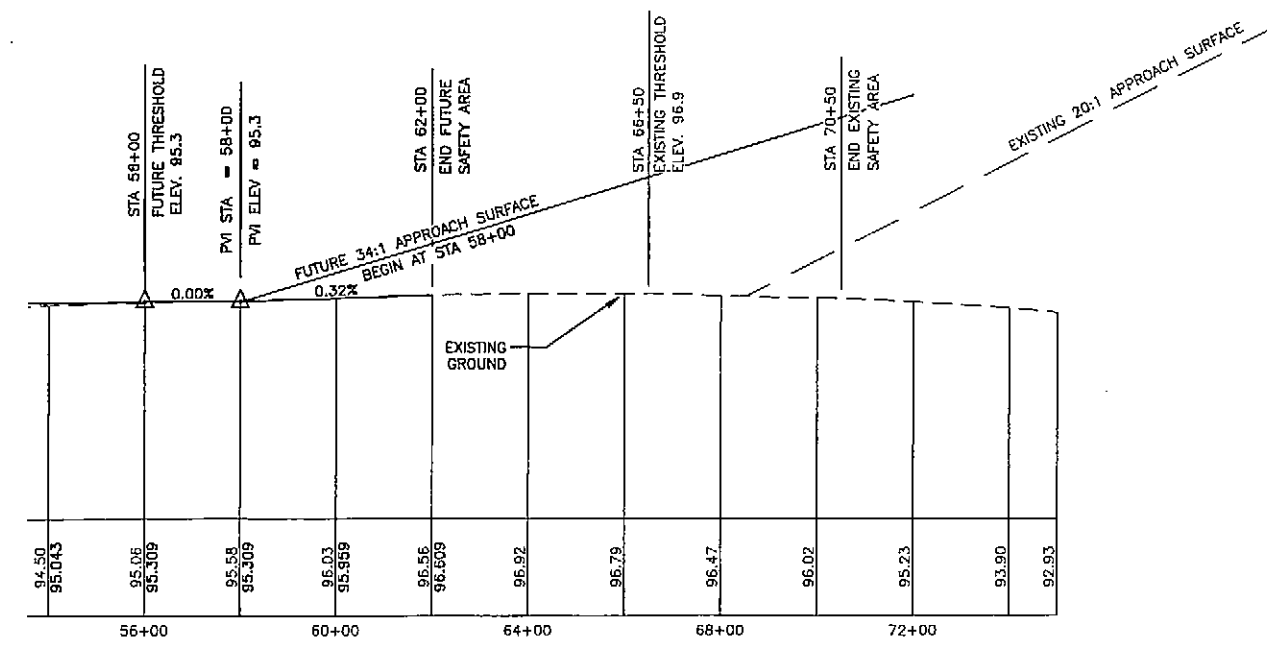
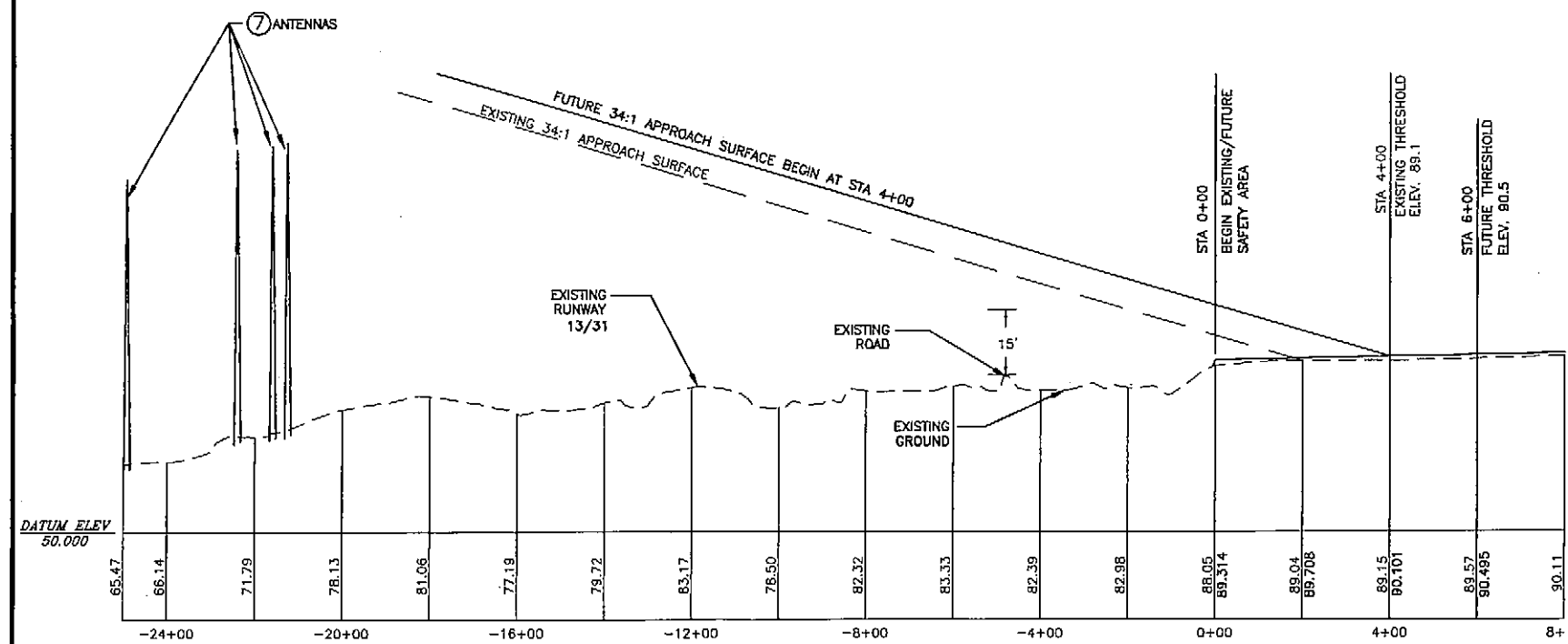
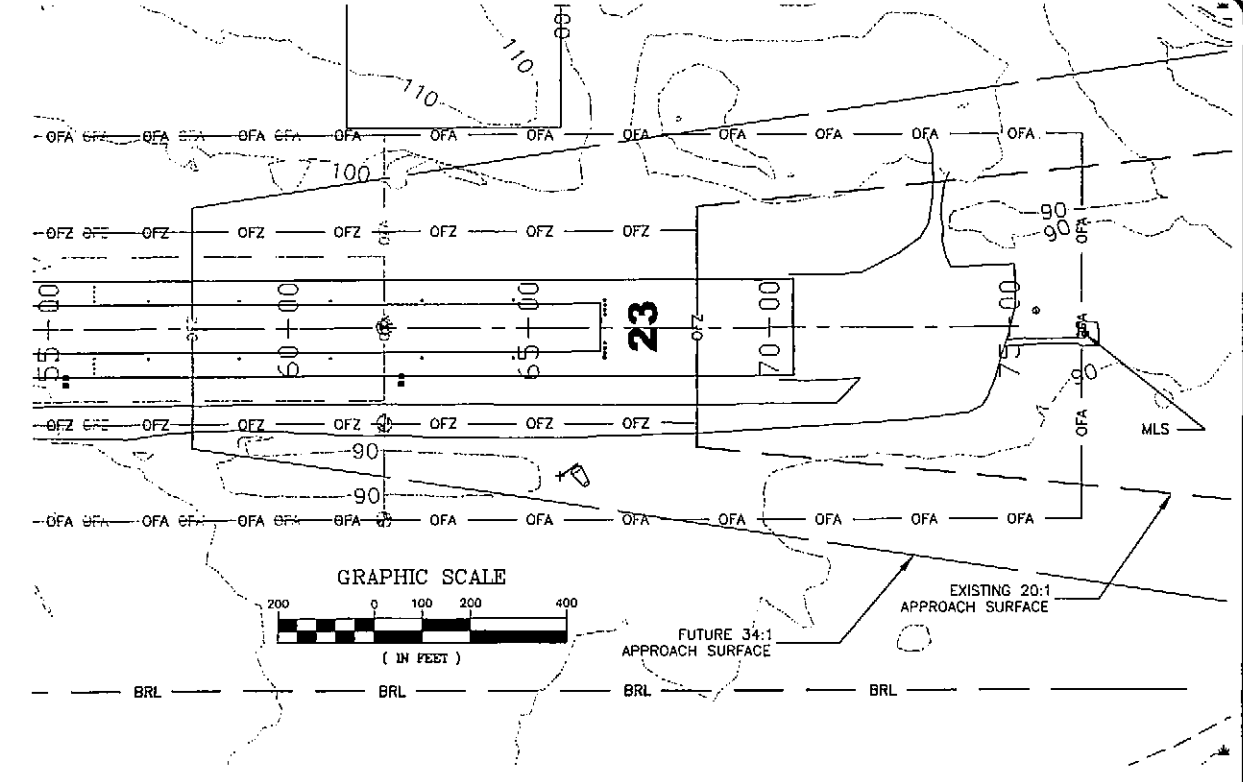
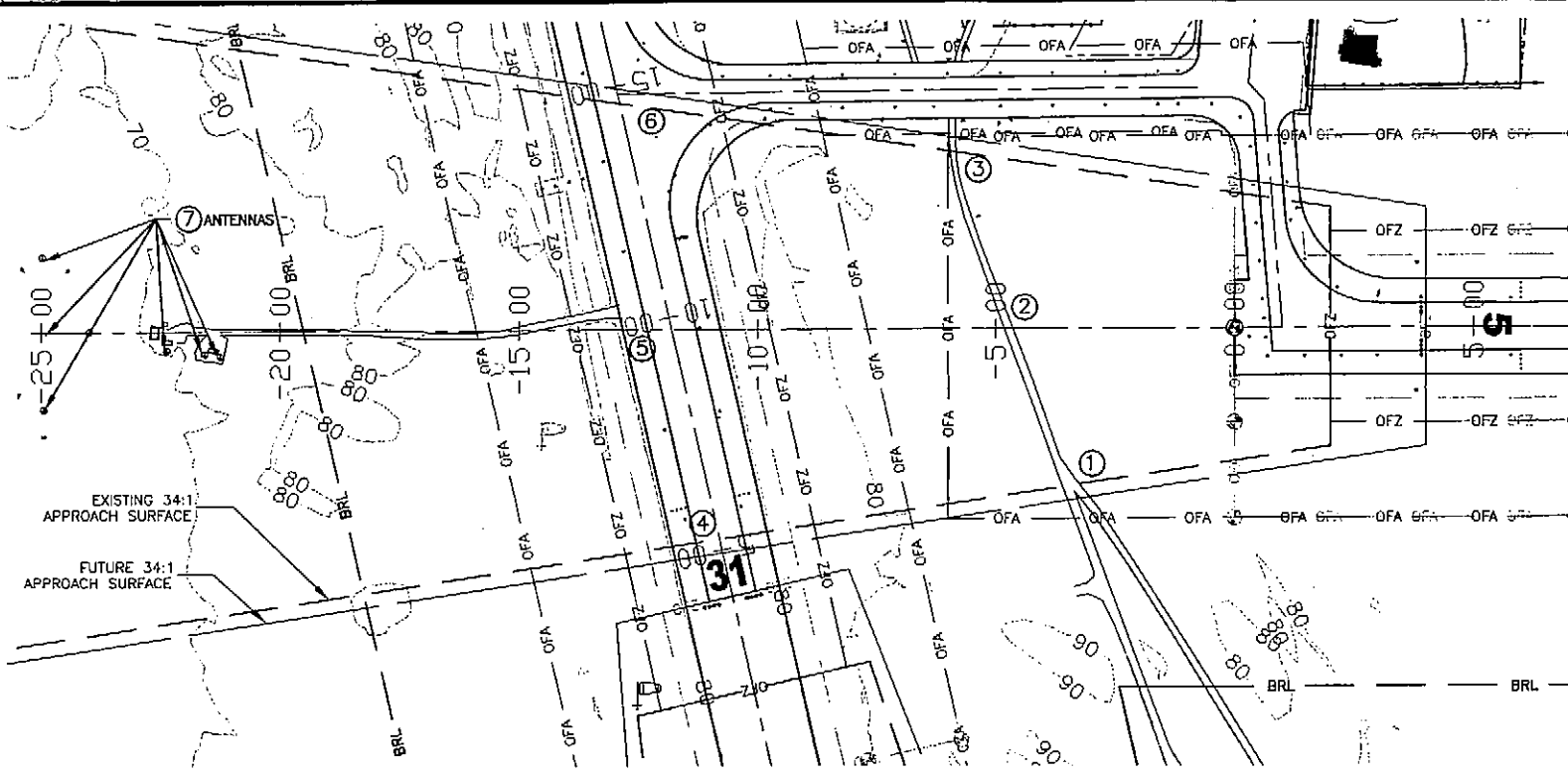
SHEET
4
OF
11



NOTE:
1. NO OFZ OBJECT PENETRATIONS.

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FILE: DATE:	AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL By: <i>[Signature]</i> FAA AIRPORTS DIVISION ALASKAN REGION, AAL-601 DATE: <i>9-16-02</i> F.A.A. AIRSPACE REVIEW NUMBER: 02-AAL-007-NRA	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> HARVEY W. DOUBRIT, P.E. PROJECT MANAGER	DATE <i>08/01/02</i> DESIGN <i>JEG</i> DRAWN <i>MGT</i> CHECKED <i>IJS</i>	PORT HEIDEN AIRPORT AIRPORT LAYOUT PLAN RUNWAY 13/31 PLAN AND PROFILE	SHEET 5 OF 11
	BY: _____ DATE: _____ REVISIONS: _____				



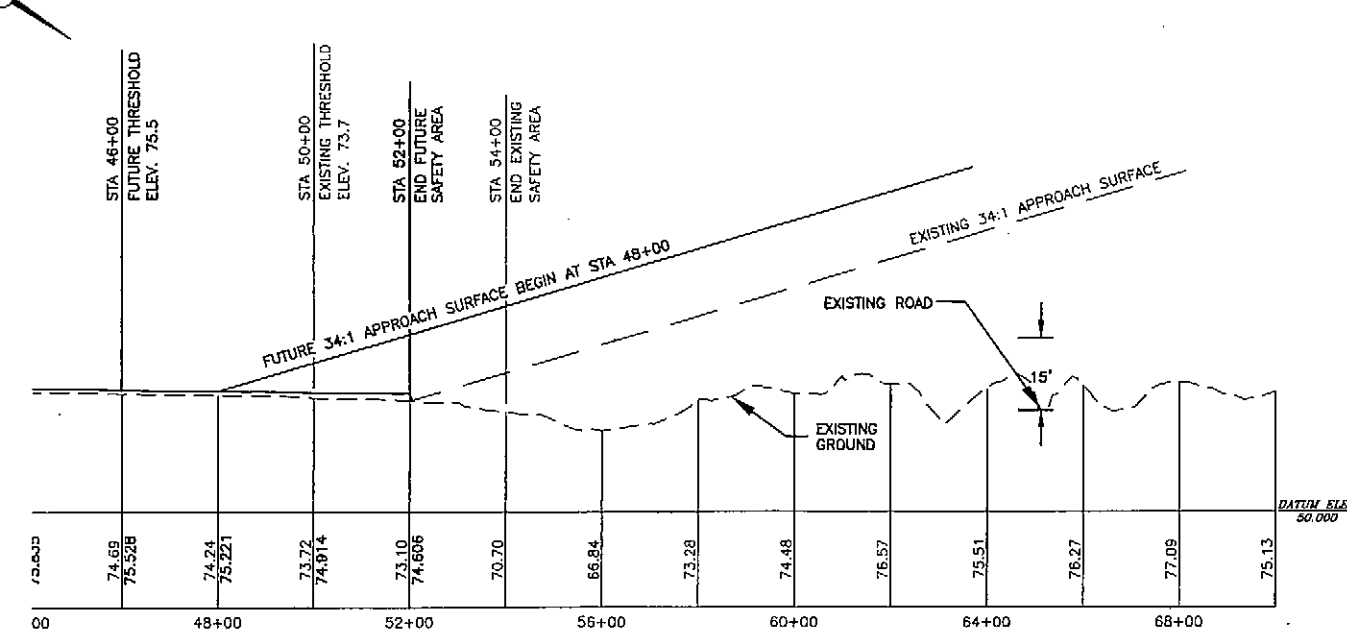
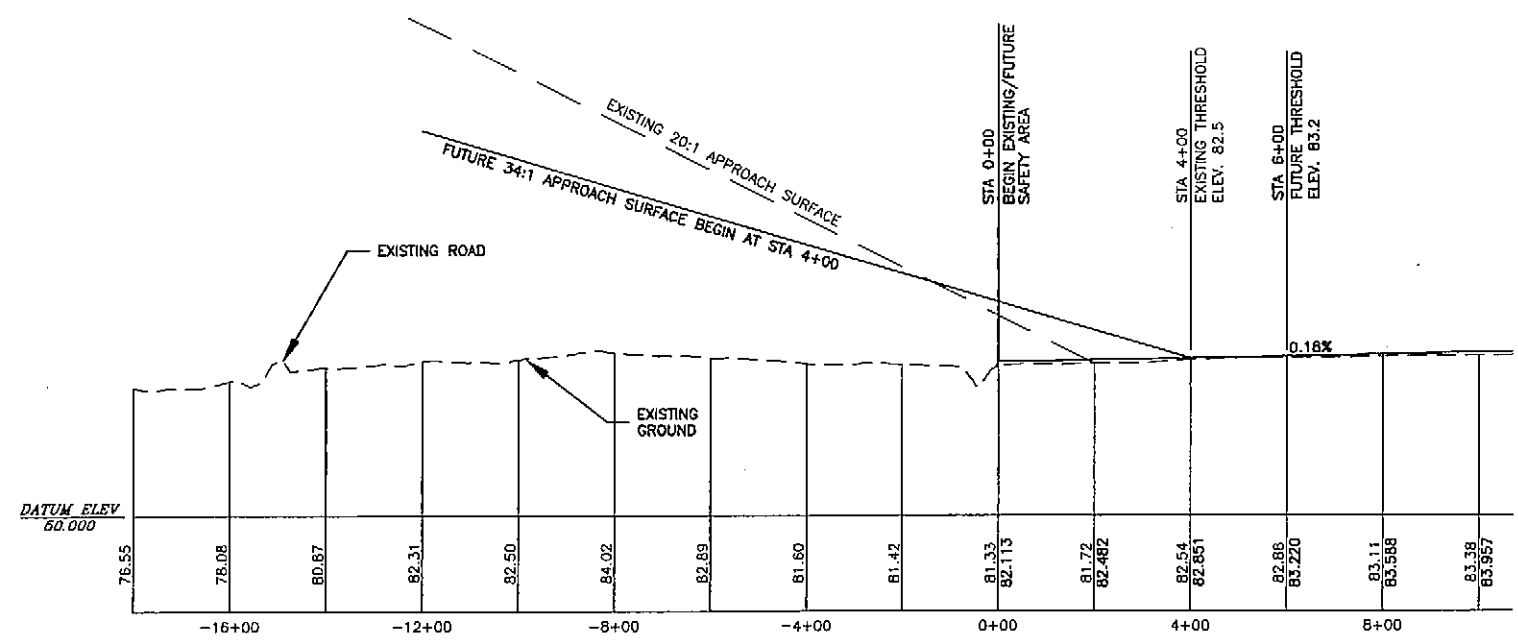
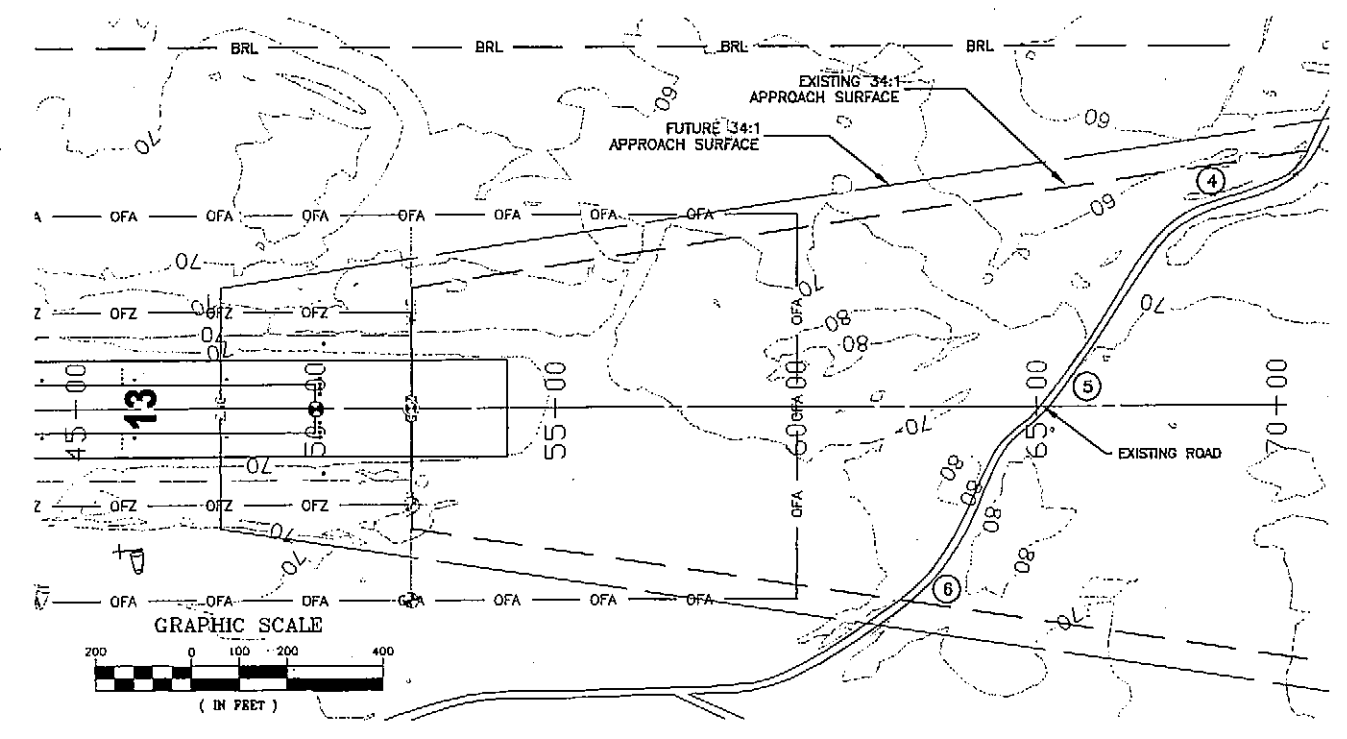
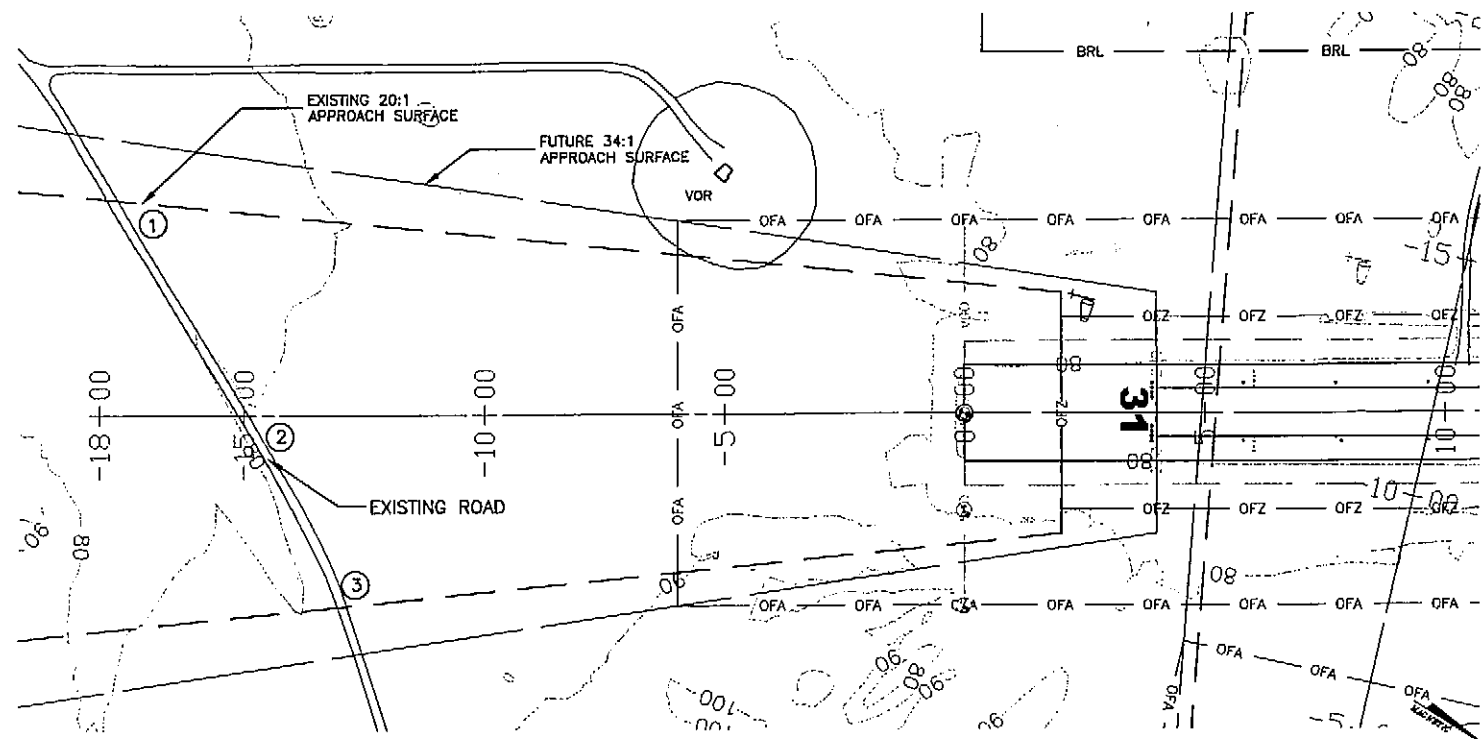
OBSTRUCTION TABLE RUNWAY 5/23 APPROACHES

NUMBER	OBJECT	ELEV.	AMOUNT OF PENETRATION	DISPOSITION OF OBSTRUCTION
1	EXISTING ROAD	86.31	0	NONE
2	EXISTING ROAD	84.80	0	NONE
3	EXISTING ROAD	83.84	0	NONE
4	RW 13/31	82.75	0	NONE
5	RW 13/31	83.36	0	NONE
6	RW 13/31	83.78	0	NONE
7	ANTENNAS	153.7 (HIGHEST)	0	NONE

NOTES:
 1. NO THRESHOLD SITTING SURFACE OBJECT PENETRATIONS.
 2. OBSTRUCTION CLEARANCE SLOPE IS 47:1 FOR R/W 05 AND IS > 50:1 FOR R/W 23.

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AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL By: <i>[Signature]</i> FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-001 DATE: 9-16-02 F.A.A. AIRSPACE REVIEW NUMBER: 02-AAL-007-NRA	BY: _____ DATE: _____ REVISIONS: _____	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> HARVEY M. DOUTHETT, P.E. PROJECT MANAGER	DATE 08/01/02 DESIGN JEG DRAWN MGT CHECKED TJS	PORT HEIDEN AIRPORT AIRPORT LAYOUT PLAN RUNWAY 5/23 INNER PORTION OF THE APPROACH SURFACES	SHEET 6 OF 11
	FILE: _____ DATE: _____				



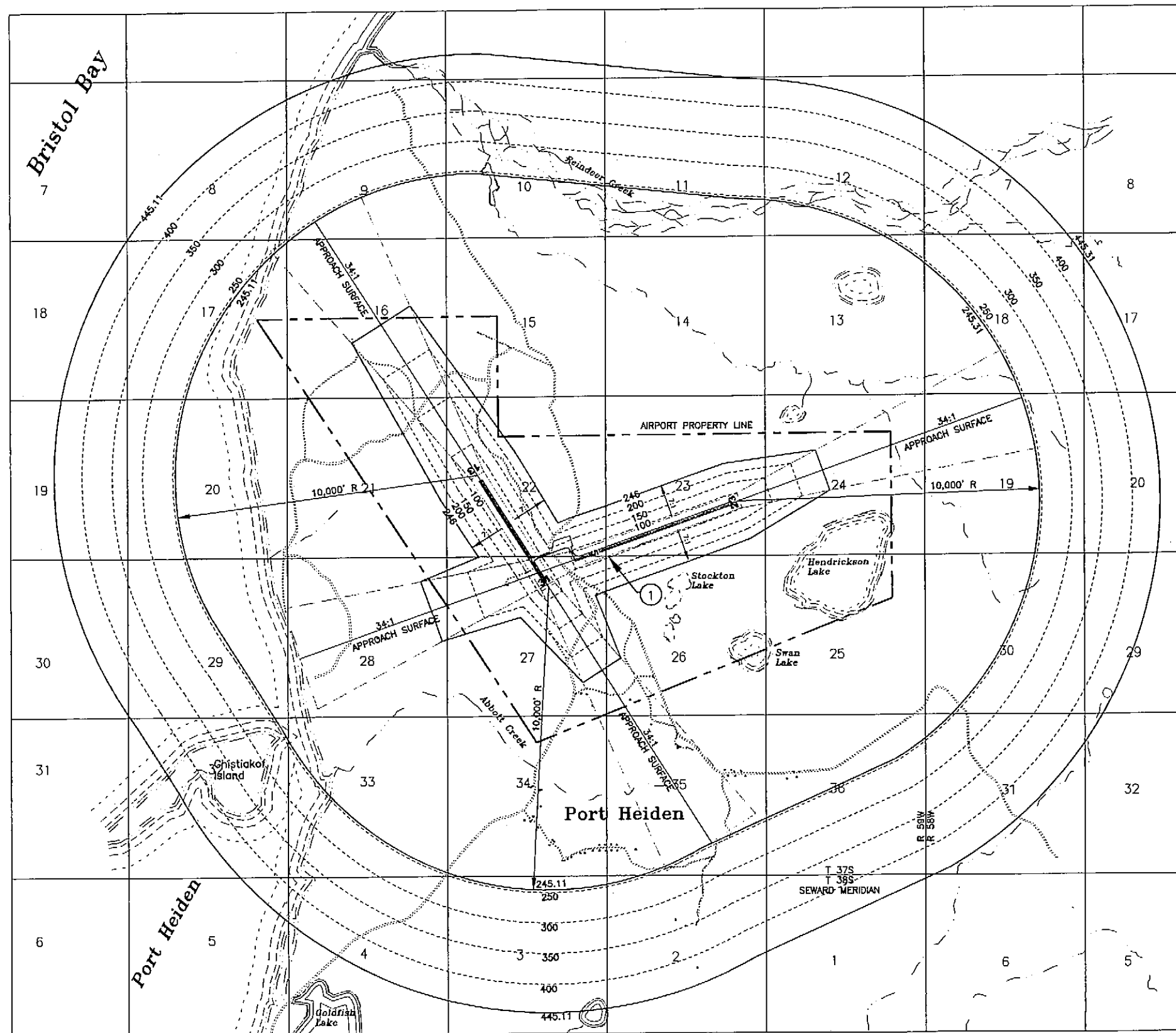
OBSTRUCTION TABLE RUNWAY 5/23 APPROACHES

NUMBER	OBJECT	ELEV.	AMOUNT OF PENETRATION	DISPOSITION OF OBSTRUCTION
1	EXISTING ROAD	76.85	0	NONE
2	EXISTING ROAD	82.19	0	NONE
3	EXISTING ROAD	86.39	0	NONE
4	EXISTING ROAD	58.69	0	NONE
5	EXISTING ROAD	71.31	0	NONE
6	EXISTING ROAD	89.73	0	NONE

- NOTES:
1. NO THRESHOLD SITTING SURFACE OBJECT PENETRATIONS.
 2. OBSTRUCTION CLEARANCE SLOPE > 50:1 FOR R/W 13 AND R/W 31.

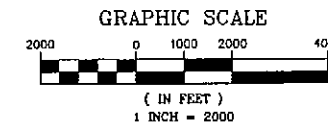
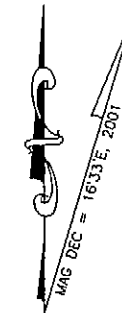
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FILE: DATE:	AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL By: <i>[Signature]</i> FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-601 DATE: <u>9-16-02</u> F.A.A. AIRSPACE REVIEW NUMBER: 02-AAL-007-NRA	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION APPROVED: <i>[Signature]</i> DESIGN SECTION CHIEF STEPHEN M. RYAN, P.E. APPROVED: <i>[Signature]</i> PROJECT MANAGER HARVEY M. DOUTHETT, P.E.	DATE <u>08/01/02</u> DESIGN <u>JEG</u> DRAWN <u>MGT</u> CHECKED <u>IJS</u>	PORT HEIDEN AIRPORT AIRPORT LAYOUT PLAN RUNWAY 13/31 INNER PORTION OF THE APPROACH SURFACES	SHEET 7 OF 11
BY _____ DATE _____ REVISIONS _____					



NOTES

1. AIRPORT ELEVATION IS 95.31 FT.
2. THIS DRAWING IS BASED ON USGS QUADS CHIGNIK (D-2, D-3) AND BRISTOL BAY (A-2), ALASKA.
3. SURFACES SHOWN REFLECT FUTURE CONDITIONS.



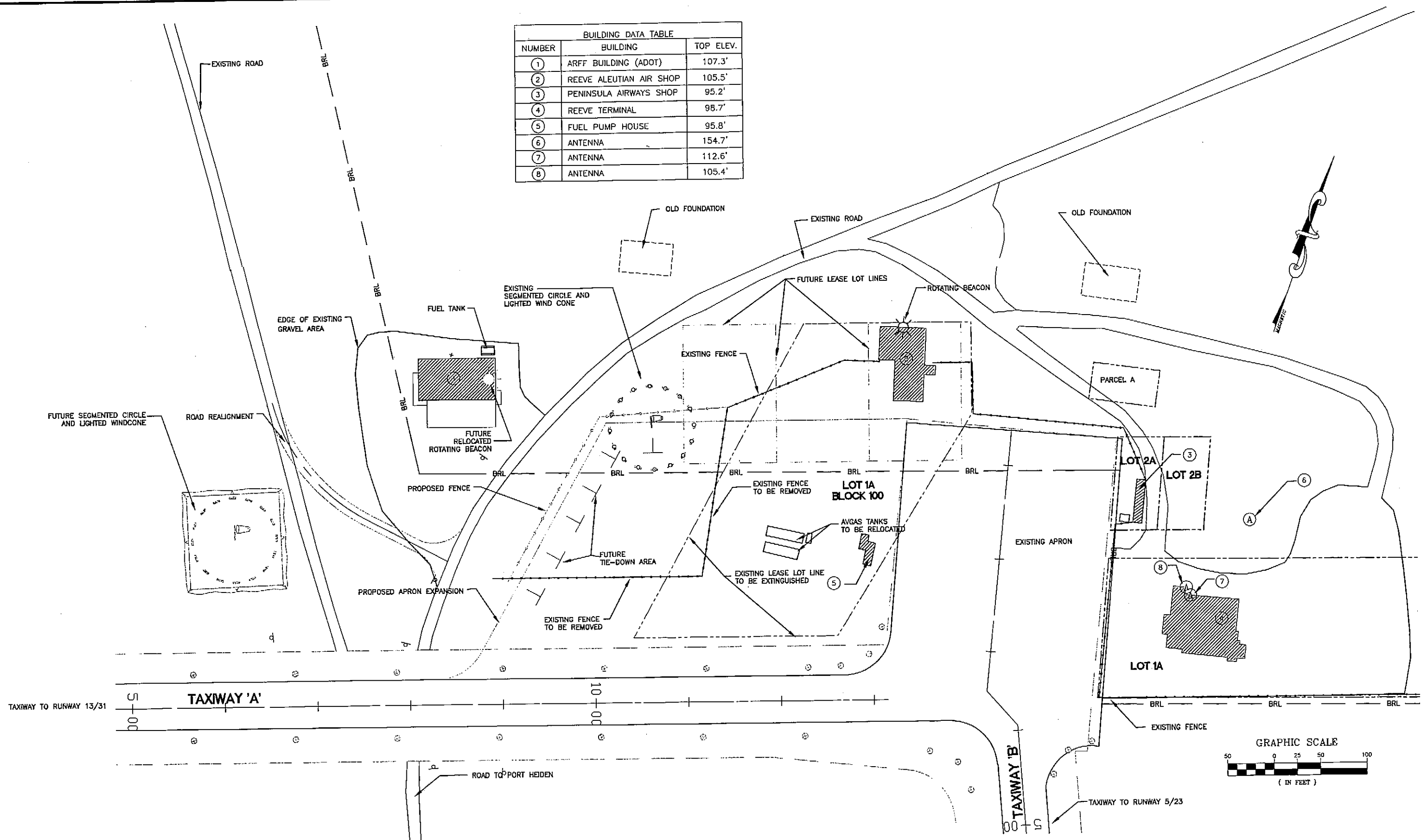
ALL DIMENSIONS ARE IN ENGLISH UNITS.

OBSTRUCTION DATA TABLE		
NUMBER	PENETRATION DISTANCE (FEET)	DESCRIPTION
①	7.9	MLS BUILDING

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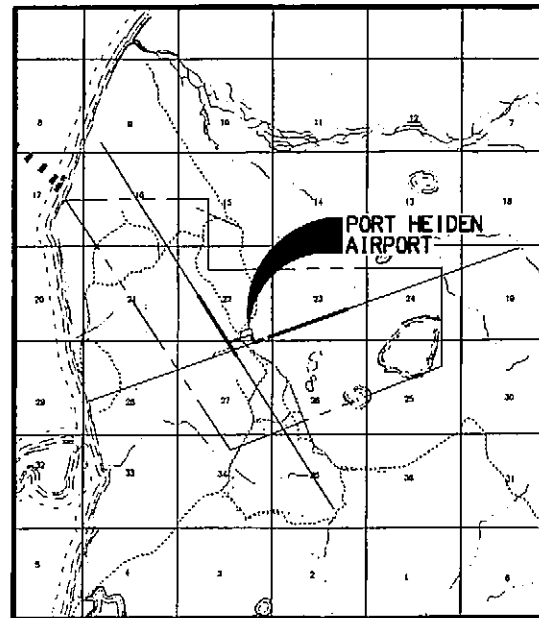
FILE: DATE:	AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL By: <u>Deb Rant</u> FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-601 DATE: <u>9-16-02</u> F.A.A. AIRSPACE REVIEW NUMBER: 02-AAL-007-NRA	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>BY</th> <th>DATE</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	BY	DATE	REVISIONS							STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION APPROVED: <u>[Signature]</u> STEPHEN M. RYAN, P.E. DESIGN SECTION CHIEF APPROVED: <u>[Signature]</u> HARVEY M. DOUTHETT, P.E. PROJECT MANAGER	DATE <u>08/01/02</u> DESIGN <u>JEG</u> DRAWN <u>MGT</u> CHECKED <u>TJS</u>	PORT HEIDEN AIRPORT AIRPORT LAYOUT PLAN AIRPORT AIRSPACE DRAWING	SHEET 8 OF 11
BY	DATE	REVISIONS													

BUILDING DATA TABLE		
NUMBER	BUILDING	TOP ELEV.
①	ARFF BUILDING (ADOT)	107.3'
②	REEVE ALEUTIAN AIR SHOP	105.5'
③	PENINSULA AIRWAYS SHOP	95.2'
④	REEVE TERMINAL	98.7'
⑤	FUEL PUMP HOUSE	95.8'
⑥	ANTENNA	154.7'
⑦	ANTENNA	112.6'
⑧	ANTENNA	105.4'



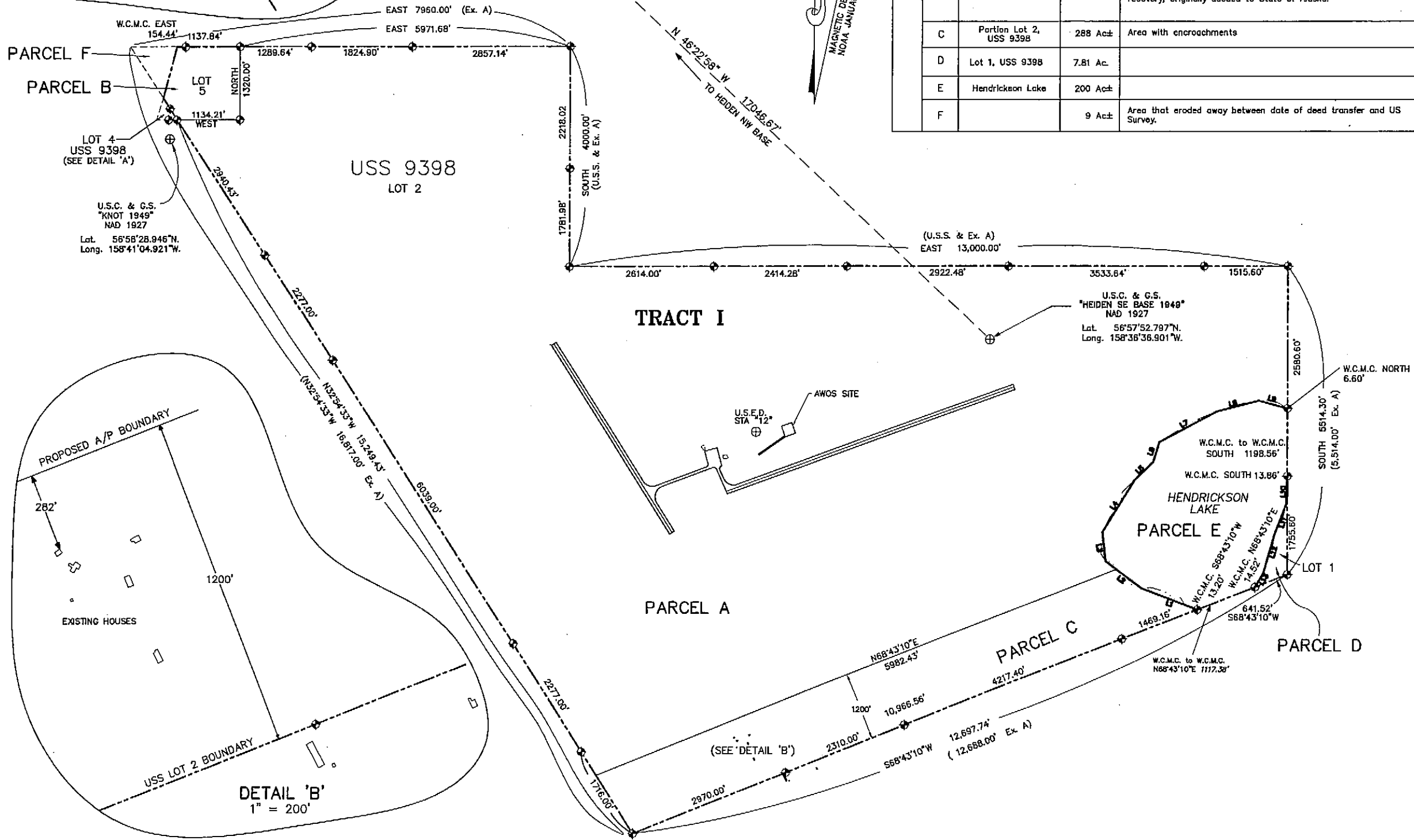
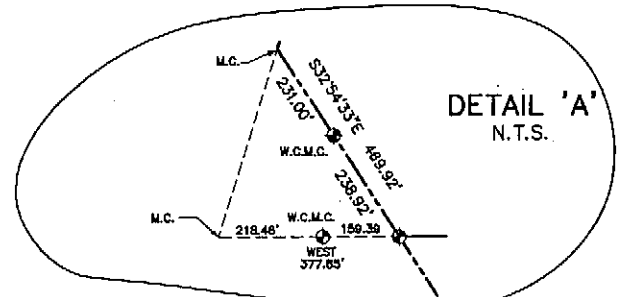
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FILE: DATE:	AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED <u>9-16-02</u> By: <u>D. J. P. W.</u> DATE: <u>9-16-02</u> FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-801	BY DATE REVISIONS	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION	DATE <u>08/01/02</u> DESIGN <u>JEG</u> DRAWN <u>MGT</u> CHECKED <u>TJS</u>	PORT HEIDEN AIRPORT AIRPORT LAYOUT PLAN TERMINAL AREA PLAN MID-TERM DEVELOPMENT	SHEET 9 OF 11
	F.A.A. AIRSPACE REVIEW NUMBER: 02-AAL-007-NRA		APPROVED: <u>[Signature]</u> DESIGN SECTION CHIEF STEPHEN M. RYAN, P.E. APPROVED: <u>[Signature]</u> PROJECT MANAGER HARVEY M. BOUTHIT, P.E.			



VICINITY MAP

T 37 S, R 59 W, SECTIONS 22, 23, 24, 26, 27
SEWARD MERIDIAN
U.S.G.S. CHIGNIK (D-2, D-3), ALASKA



PROPERTY STATUS							
Tract	Parcel	Legal Description	Area	Grantor	Grantee	Date Acquired	Acquired Under A.I.P. No.
1		Described by Metes and Bounds	3,500 Ac±	U.S.A.	State of Alaska	Quit Claim Deed 4/15/1966 Bk.7, Pg.285	Sec. 45(a) Ak. Omnibus Act
	A	Portion Lot 2, USS 9398	2,953 Ac±	Area reserved for future airport improvements			
	B	Lot 5, USS 9398	38.27 Ac.	Native Allotment Application, under review for possible title recovery, originally deeded to State of Alaska.			
	C	Portion Lot 2, USS 9398	288 Ac±	Area with encroachments			
	D	Lot 1, USS 9398	7.81 Ac.				
	E	Hendrickson Lake	200 Ac±				
	F		9 Ac±	Area that eroded away between date of deed transfer and US Survey.			

GRAPHIC SCALE

DISTANCES IN FEET



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AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL By: <i>[Signature]</i> FAA AIRPORTS DIVISION ALASKAN REGION, AAL-601 DATE: 9/6/02 F.A.A. AIRSPACE REVIEW NUMBER: 02-AAL-007-NRA	BY: _____ DATE: _____ REVISIONS: _____	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> HARVEY M. DOUTHIT, P.E. PROJECT MANAGER	DATE 10/03/02 DESIGN JEG DRAWN MGT_PLH CHECKED TJS	PORT HEIDEN AIRPORT AIRPORT LAYOUT PLAN PROPERTY PLAN	SHEET 10 OF 11
	FILE: _____ DATE: _____				