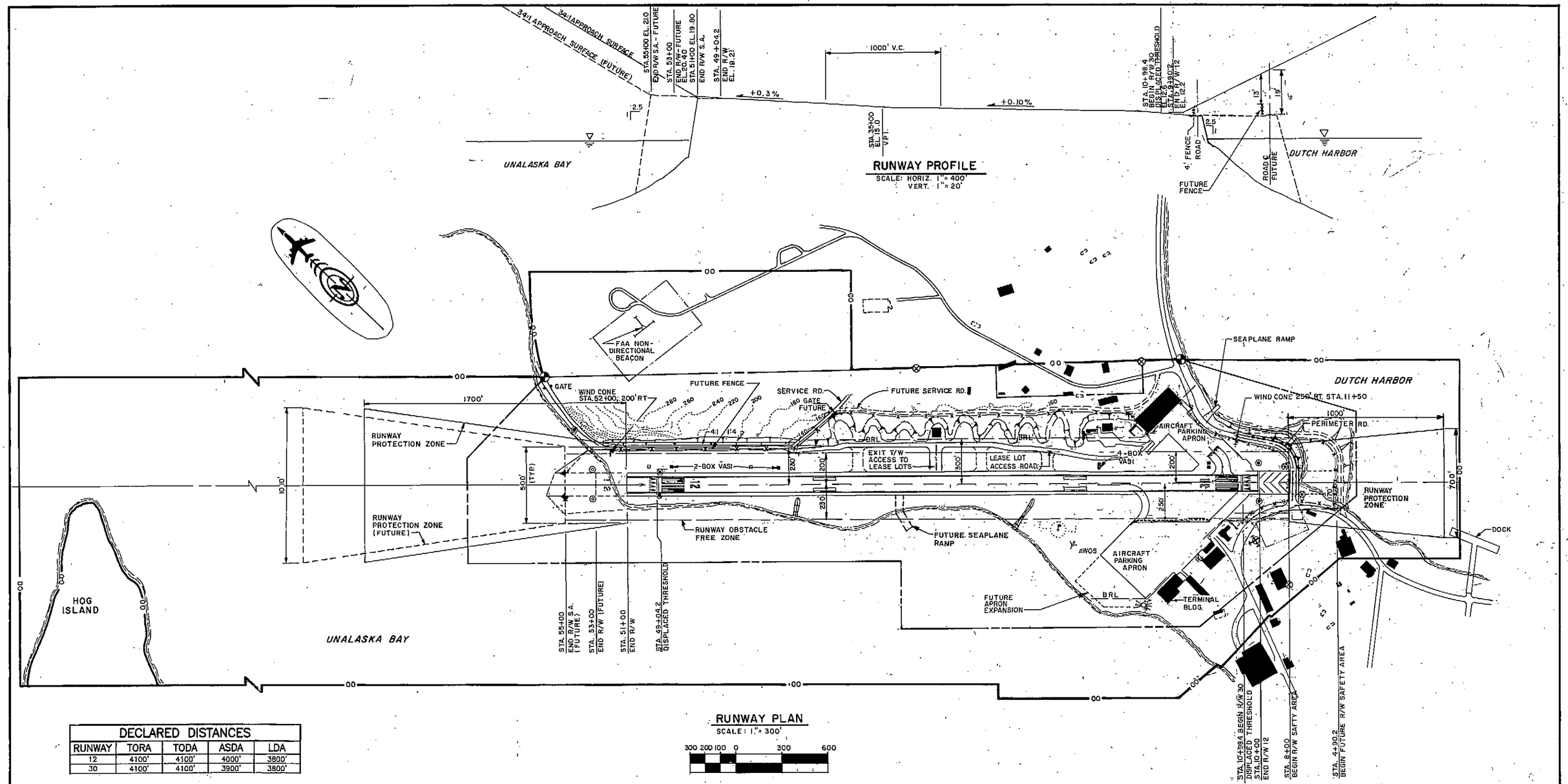


DECLARED DISTANCES

RUNWAY	TORA	TODA	ASDA	LDA
12	4100'	4100'	4000'	3800'
30	4100'	4100'	3900'	3800'

BASIC DATA TABLE

RUNWAY DATA

	RUNWAY 12-30		RUNWAY	
	EXISTING	FUTURE		
EFFECTIVE GRADIENT	0.21%	SAME		
% WIND COVERAGE	90%	SAME		
INSTRUMENT RUNWAY	R/W 12 NPI	SAME		
PAVEMENT SURFACE	ASPHALT	ASPHALT		
PAVEMENT STRENGTH	S60, T210	S60, T210		
APPROACH SURFACES	R/W 12 R/W 30	SAME		
RUNWAY LIGHTING	MIL	MIL		
RUNWAY MARKING	N.P.I.	NPI		
VISUAL APPROACH AIDS	R/W 12 VASI-4 R/W 30 VASI-4	R/W 12 VASI-4 SAME		
	R/W 12 PAPI R/W 30 PAPI	SAME		
AIRPLANE DESIGN GROUP	C-III	C-III		
RUNWAY DIMENSIONS	100' x 4,100'	100' X 4,310'		
RUNWAY S.A. DIMENSIONS	150' x 4,300'	150' x 4,700'		

BASIC DATA TABLE

AIRPORT DATA

	EXISTING	FUTURE
AIRPORT ELEVATION (MSL ESTIMATED)	19	21
AIRPORT REFERENCE POINT (A.R.P.)	N53°54'00.5"	W166°32'36.6"
NORMAL MAX. TEMP. OF HOTTEST MONTH	60° F	60° F
TAXIWAY LIGHTING	NONE	MI
RAMP LIGHTING	FLOOD	SAME
	LAT.	LONG.
R/W 12 (STA. 49+00)	N53°54'12.4"	W166°32'56.4"
R/W 12 (FUTURE) STA. 53+00)	N53°54'15.2"	W166°33'01.1"
R/W 30 (STA. 11+00)	N53°53'45.7"	W166°32'12.0"
NAVIGATION AIDS	NDB/DME	SAME

LEGEND

	EXISTING	FUTURE
PROPERTY LINE		
BUILDING RESTRICTION LINE (B.R.L.)		
AVIGATION AND HAZARD EASEMENT		
AIRPORT LOCATION POINT		
AIRPORT REFERENCE POINT		
WIND CONE & SEGMENTED CIRCLE		
BUILDINGS		
ROADWAYS		
VHF ANTENNA		
MANDATORY INSTRUCTION SIGN		
ROTATING BEACON		
SHORE LINE		
RUNWAY BOUNDARY MARKERS		
REIL		
VASI		
RADIO ACTIVATED VEHICLE STOP LIGHT		
HOLD LINE		
CHAIN-LINK FENCE		
GUARD RAIL		

NON-STANDARD CONDITIONS

ITEM	STANDARD	EXISTING	FUTURE
APR. SURFACE CL. OVER. RD. (20:1)	15'	0'	15'
FAR PART 77 SURFACES	NO PENETRATION	SEE SHEET 2 HILL & BLDGS. SOUTH OF THRES: R/W 30	
RUNWAY SAFETY AREA WIDTH	500'	150'	150'
RUNWAY SAFETY AREA LENGTH	1000' BEYOND END	200'	200' (R/W 30) 500' (R/W 12)
BRL	750'	300' NORTH SIDE 170' SOUTH SIDE	300' NORTH SIDE 170' SOUTH SIDE
R/W ℄ TO ROAD APP. END R/W 30	320'	120'	120'
R/W ℄ TO LEASE LOT ACCESS ROAD	320'	175'	175'
R/W ℄ TO HOLD LINE	250'	200'	250'
R/W OFZ	200' LT. & RT.	125' LT. R/W 30 THRES	125' LT. R/W 30 THRES
R/W OFA	400' LT. & RT.	200' RT., 125' LT.	200' RT., 125' LT.
APR SURFACE R/W 30 PENETR. BY FENCE	0'	4'	0'

BY	DATE	CHANGE
VLC	8-5-02	CORRECTED RUNWAY DIMENSION AND ADDED DECLARED DISTANCE TABLE
—	5-4-01	FAA APPROVED
JEW	1-5-01	AS-BUILT
JEW		ADDED AWOS & FUTURE IMPROVEMENTS
	9-25-92	F.A.A. APPROVED
JEW		REV. R/W 30 APPROACH FUTURE HOLD LINE DEVIATION
JEW	7/24/92	FUTURE HANGAR IN REVETMENT #2
JEW		AS-BUILT
—	3-20-87	F.A.A. APPROVED

REVISIONS

THIS SET SUPERCEDES PLAN DATED 6-15-81

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

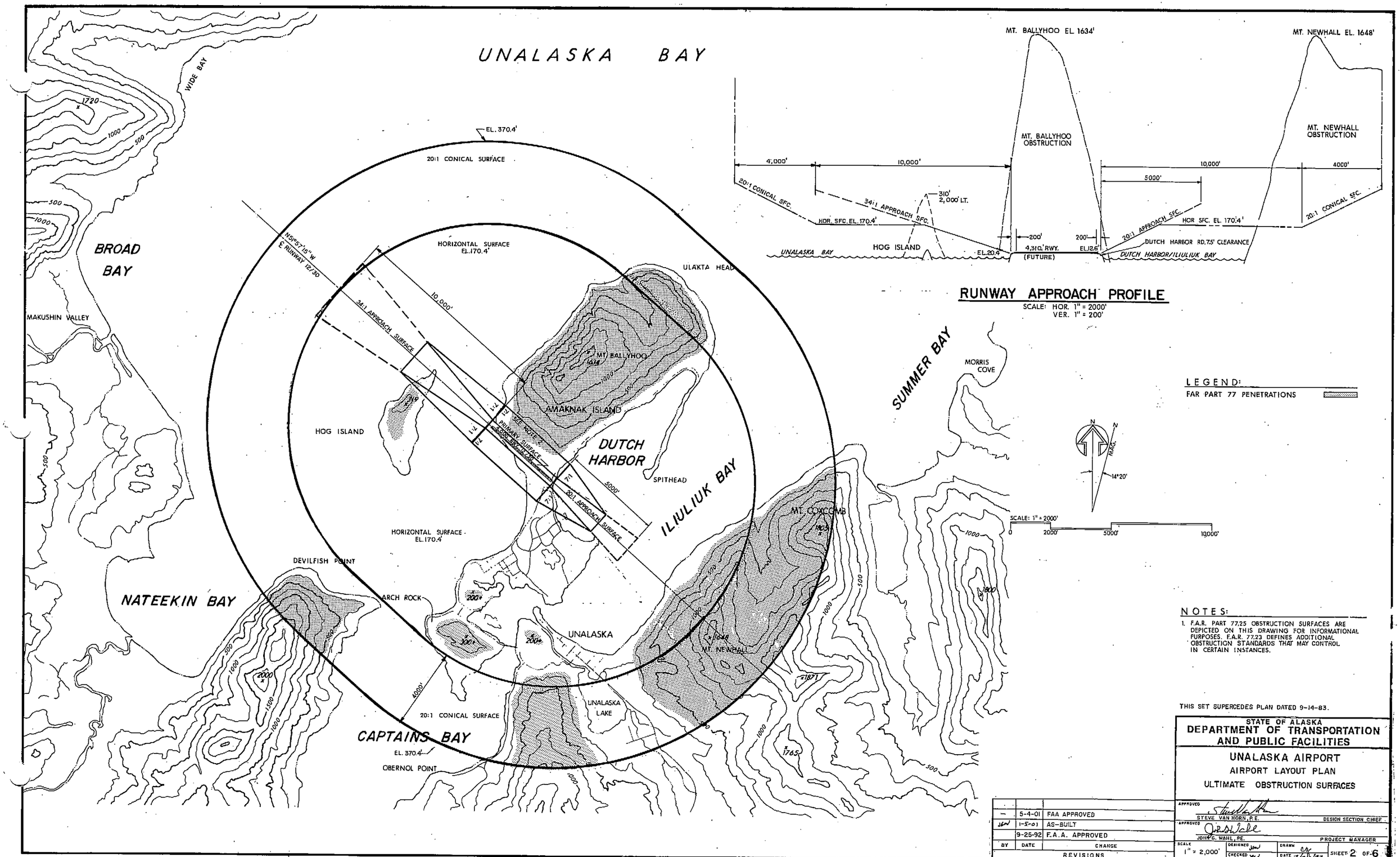
UNALASKA AIRPORT

AIRPORT LAYOUT PLAN

APPROVED Brooks H. Wade
BROOKS H. WADE, P.E. — ASSIST. DESIGN CHIEF

APPROVED John G. Wahl
JOHN G. WAHL, P.E. — PROJECT MANAGER

SCALE: AS SHOWN | DESIGNED JEW | CHECKED JEW | DRAWN N.B. | DATE 3-16-87 | SHEET 1 OF 6



NOTES:

1. F.A.R. PART 77.25 OBSTRUCTION SURFACES ARE DEPICTED ON THIS DRAWING FOR INFORMATIONAL PURPOSES. F.A.R. 77.23 DEFINES ADDITIONAL OBSTRUCTION STANDARDS THAT MAY CONTROL IN CERTAIN INSTANCES.

THIS SET SUPERCEDES PLAN DATED 9-14-83.

BY	DATE	CHANGE
—	5-4-01	FAA APPROVED
JEW	1-5-01	AS-BUILT
	9-25-92	F.A.A. APPROVED

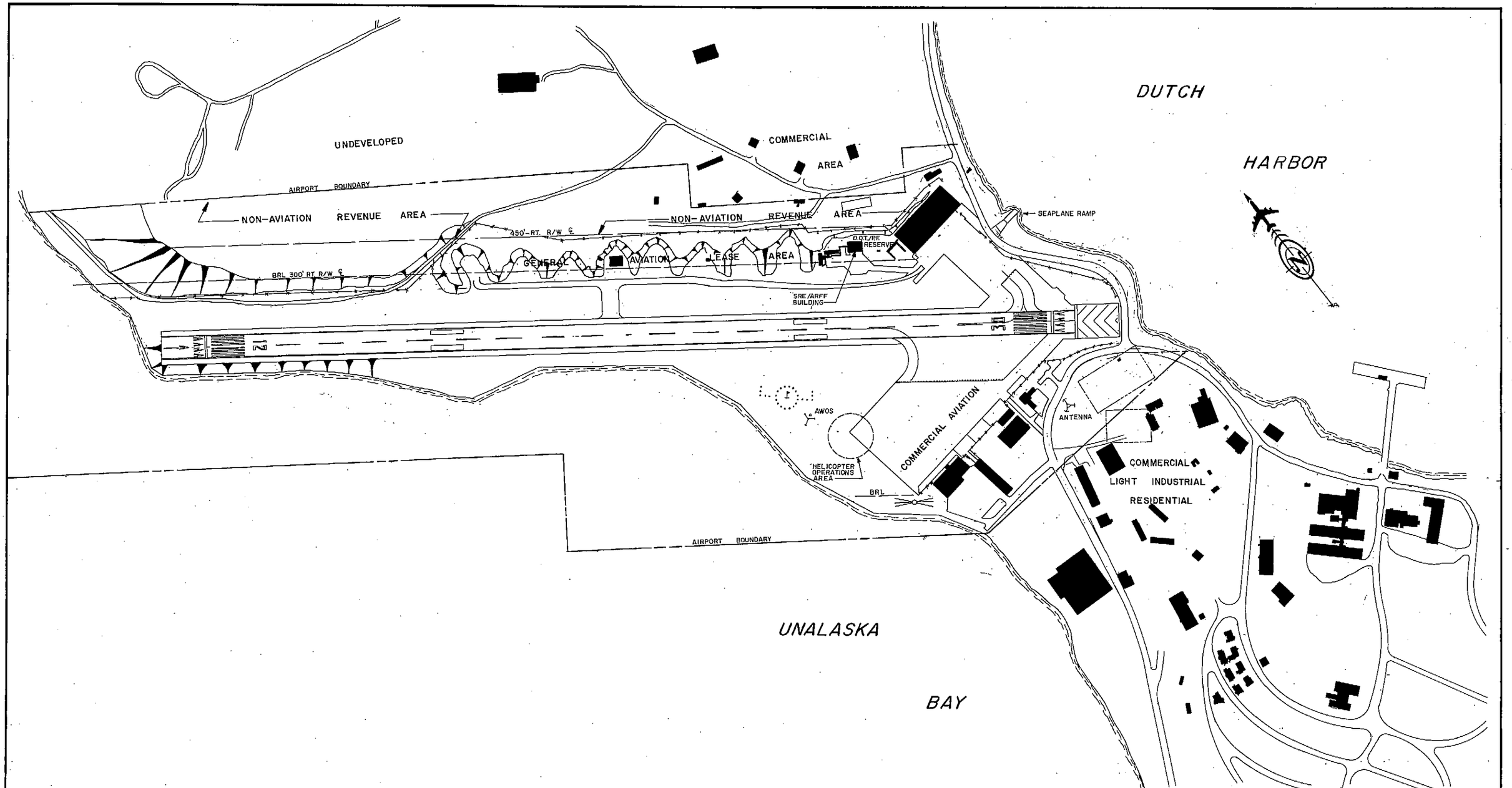
REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

UNALASKA AIRPORT
AIRPORT LAYOUT PLAN
ULTIMATE OBSTRUCTION SURFACES

APPROVED STEVE VAN HORN, P.E. — DESIGN SECTION CHIEF
APPROVED JOHN G. WAHL, P.E. — PROJECT MANAGER

SCALE 1" = 2,000' | DESIGNED JEW | CHECKED JEW | DRAWN CAV | DATE 7/28/92 | SHEET 2 OF 6



THIS SET SUPERCEDES PLAN DATED 9-9-83

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

UNALASKA AIRPORT
AIRPORT LAYOUT PLAN

EXISTING LAND USE PLAN

BY	DATE	CHANGE
—	5-4-01	FAA APPROVED
	1-05-01	AS-BUILT
	9-25-92	F.A.A. APPROVED

REVISIONS

APPROVED STEVE VAN HORN, P.E. — DESIGN SECTION CHIEF

APPROVED JOHN G. WAHL, P.E. — PROJECT MANAGER

SCALE 1" = 200' | DESIGNED | CHECKED | DRAWN J.G.G. | DATE 7/24/92 | SHEET 3 OF 6

A/E SUPPLIES 134600

DOT/PF RESERVE

BRL

APRON "B"

PRIMARY SURFACE

EXISTING 7:1 TRANSITION SURFACE

EXISTING 20:1 APPROACH SURFACE

UNALASKA BAY

STA. 10+98.4

STA. 9+90.2

PRIMARY SURFACE

APRON "A"

7:1 TRANSITION SURFACE

EXISTING 20:1 APPROACH SURFACE

EXISTING 7:1 TRANSITION SURFACE

NOTE

SHIPS AND BARGES FREQUENTLY TRANSIT THIS AREA

TABLE OF OBSTRUCTIONS

No.	DESCRIPTION
1	TERRAIN
2	TERRAIN
3	POWER HOUSE
4	ROAD CENTERLINE
5	ROAD CENTERLINE
6–7	GUARD RAIL
8–9	FENCE; CHAINLINK, 8' TO 4'
9–17	FENCE, 4' RUNWAY DELINEATORS
10	TRAFFIC CONTROL ARM
11	TRAFFIC CONTROL ARM
12–13	FENCE — FUTURE
14	ROAD CENTERLINE
15	DOCK
16–17	FENCE, CHAINLINK, 8' TO 4'
18	TERRAIN AND STRUCTURES

PLAN SCALE
1" = 100'

BEGIN RUNWAY SAFETY AREA STA. 8+00

STA. 4+90.2 BEGIN FUTURE RUNWAY SAFETY AREA EL. 10.9

STA. 10+98.4 RUNWAY THRESHOLD ELEV. 12.6

STA. 9+90.2 DEMARCATION LINE ELEV. 12.2

BEGIN RUNWAY SAFETY AREA EL. 10.9

RUNWAY 30 APPROACH SLOPE 20:1

PROFILE A A

PROFILE B B

RUNWAY SURFACE

SEA LEVEL

40 — 30 — 20 — 10 — 0 —

20+00 15+00 10+00 5+00 0+00

PROFILE SCALE
VERT. 1" = 20'
HORZ. 1" = 100'

NOTE:
SHIPS & BARGES WITH HEIGHT PENETRATION OF THE APPROACH AND DEPARTURE SURFACES FREQUENTLY PASS THROUGH THE RPZ AND TIE UP AT DELTA WESTERN FUEL DOCK.

THIS SET SUPERCEDES PLAN DATED 9-9-83

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

UNALASKA AIRPORT
AIRPORT LAYOUT PLAN

RUNWAY 30 INNER APPROACH SURFACE
PLAN & PROFILE

BY	DATE	CHANGE
JGG	1-5-01	AS-BUILT
JGG	1-5-01	ADDED FUTURE R/W STRIPING
	9-25-92	F.A.A. APPROVED
JGG		REVISE R/W 30 APPROACH.
—	5-4-01	FAA APPROVED

REVISIONS

APPROVED STEVE VAN HORN, P.E. — DESIGN SECTION CHIEF

APPROVED JOHN Z. WAHL, P.E. — PROJECT MANAGER

SCALE AS SHOWN | DESIGNED JGG | CHECKED JGG | DRAWN JGG | DATE 7/24/92 | SHEET 5 OF 6

A/E SUPPLIES 134653

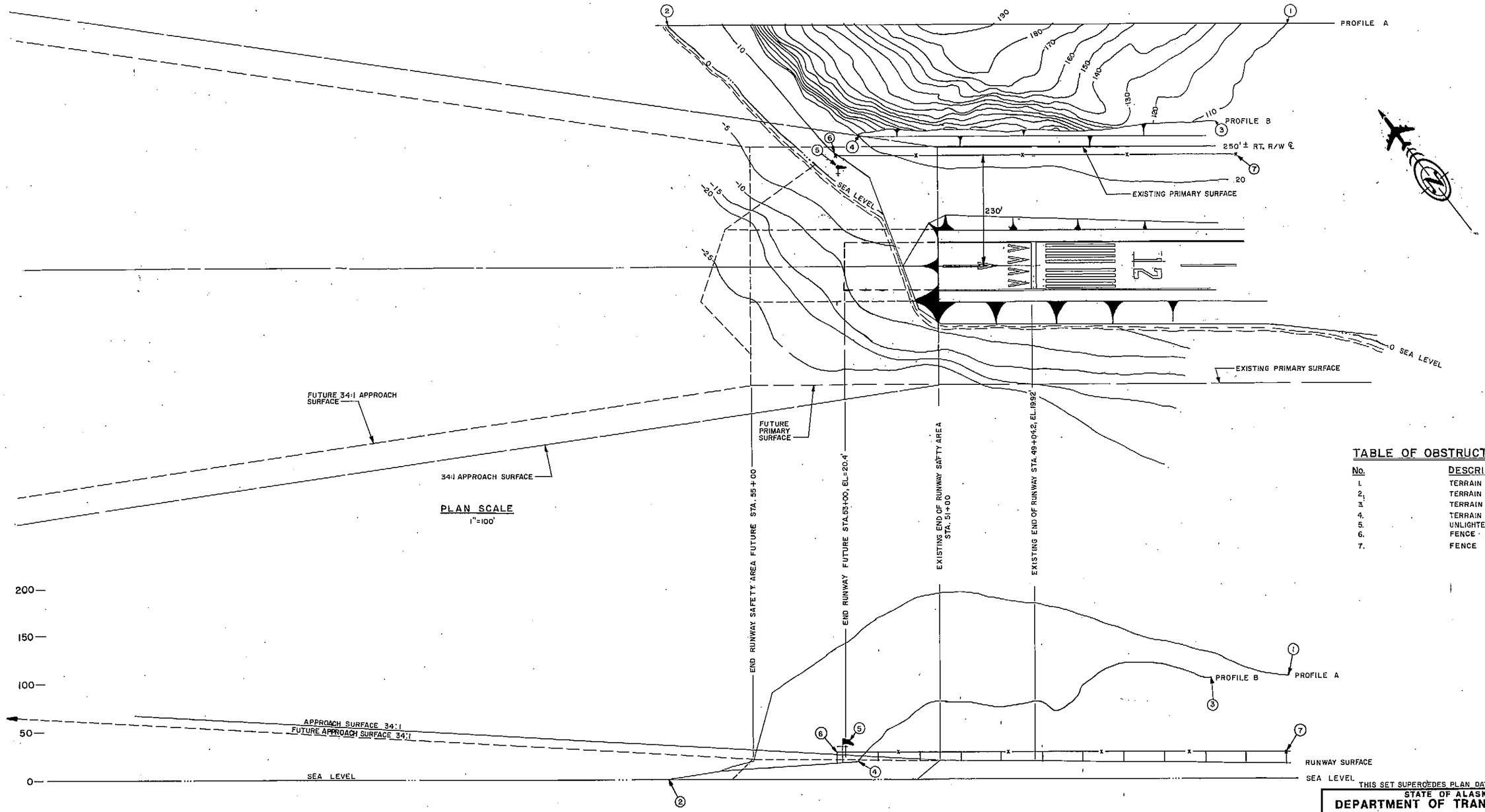


TABLE OF OBSTRUCTIONS

No.	DESCRIPTION
1.	TERRAIN
2.	TERRAIN
3.	TERRAIN
4.	TERRAIN
5.	UNLIGHTED WIND CONE
6.	FENCE
7.	FENCE

THIS SET SUPERCEDES PLAN DATED 9-9-83

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

UNALASKA AIRPORT
AIRPORT LAYOUT PLAN

RUNWAY 12 INNER APPROACH SURFACE
PLAN & PROFILE

BY	DATE	CHANGE
—	5-4-01	FAA APPROVED
JGW	1-5-01	AS-BUILT
JGW	1-5-01	ADDED FUTURE STRIPING
	9-25-92	F.A.A. APPROVED

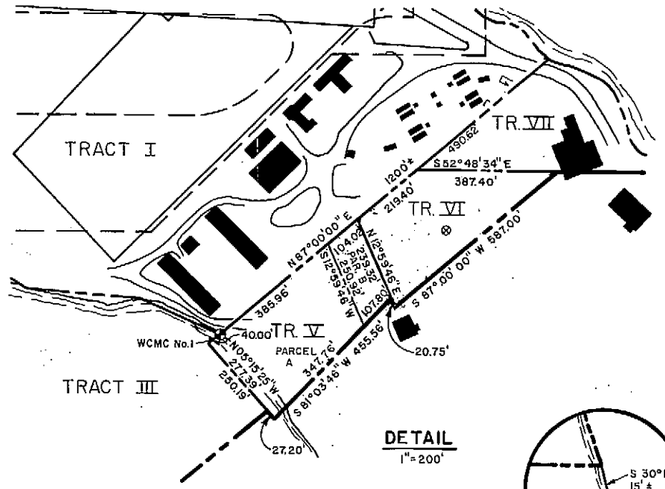
REVISIONS

APPROVED STEVE VAN HORN, P.E. — DESIGN SECTION CHIEF
APPROVED JOHN G. WAHL, P.E. — PROJECT MANAGER

SCALE: AS SHOWN | DESIGNED JGW | CHECKED JGW | DRAWN JGG | DATE 7/24/92 | SHEET 4 OF 6

TRACT I MEANDERS ALONG UNALASKA BAY

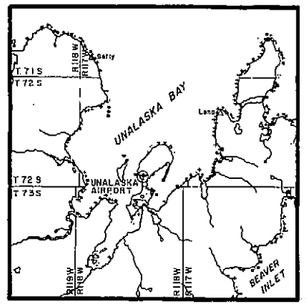
STARTING AT MC No. 7:
GO S 02°55' 15" E FOR 370.09'
THEN S 08° 21' 45" E FOR 350.00'
THEN S 23° 21' 45" E FOR 156.40'
THEN S 20° 34' 21" E FOR 126.39'
THEN S 40° 06' 58" E FOR 304.47'
THEN S 46° 53' 49" E FOR 300.43'
THEN S 37° 43' 29" E FOR 306.96'
THEN S 37° 32' 32" E FOR 307.17'
THEN S 76° 26' 07" E FOR 332.34'
THEN S 51° 26' 38" E FOR 300.11'
THEN S 49° 56' 59" E FOR 300.00'
THEN S 20° 50' 47" E FOR 343.35'
THEN S 02° 23' 49" E FOR 444.50'
THEN S 22° 01' 34" E FOR 339.53'
THEN S 48° 25' 20" E FOR 300.11'
THEN S 27° 30' 00" E FOR 226.55'
ENDING AT MC No. 1.



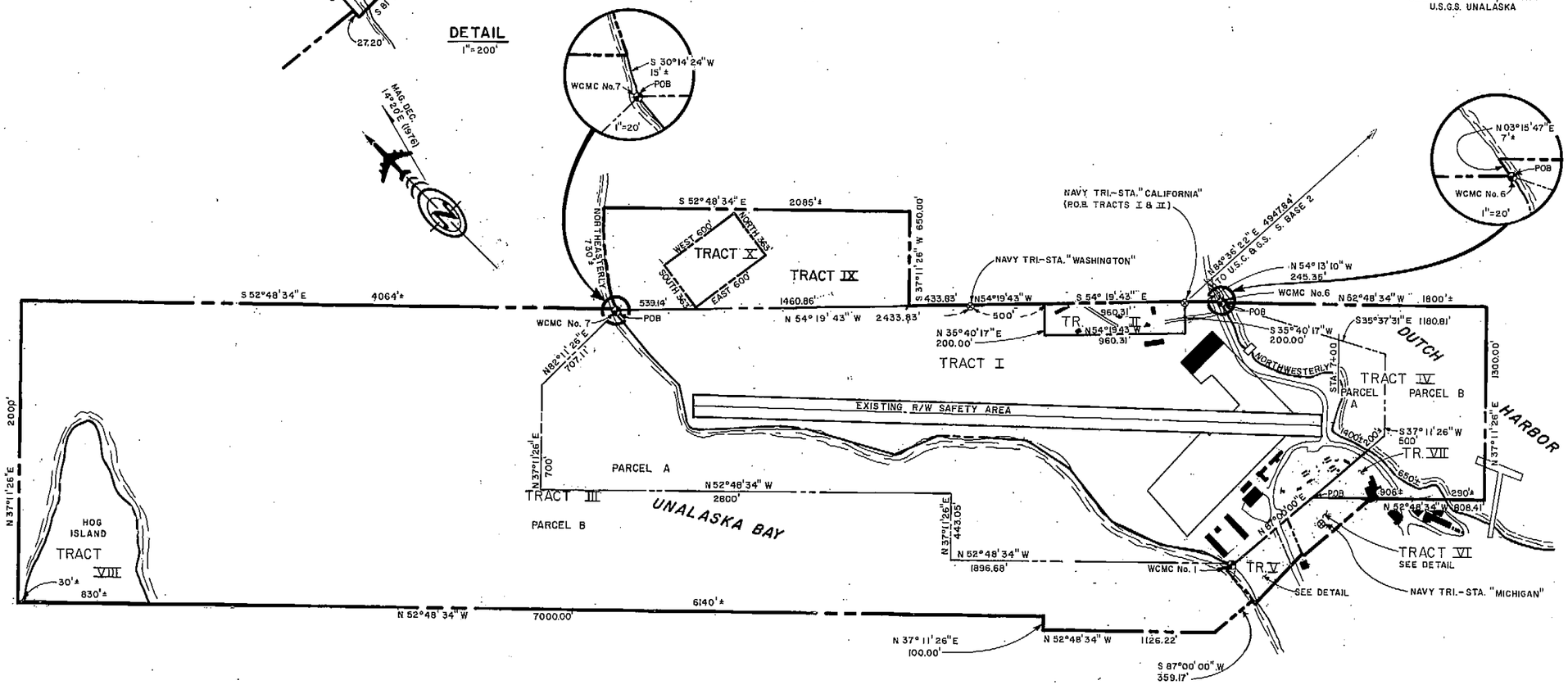
DETAIL
1"=200'

PROPERTY STATUS

TRACT	PARCEL	A.D.A. No.	AREA ACRES	INTERESTS	DATE ACQUIRED
I		11355	105±	QCD, OUNALASHKA CORP. SURFACE ESTATE (4)(c)(4) ANCSA	6-18-80
II			4.41		
III	A	11477	3.9±	ILMA, DEPT. OF NATURAL RESOURCES	6-5-86
	B	11525	225±		
IV	A	11478	10±	ILMA, DEPT. OF NATURAL RESOURCES	6-5-86
	B	11526	26±	AVIGATION & HAZARD EASEMENT-DNR	6-4-86
V	A		2.284		
	B		0.563		
VI			2.314		
VII		11479	3±	AVIGATION & HAZARD EASEMENT	
VIII			13±	AVIGATION & HAZARD EASEMENT	
IX			27±	AVIGATION & HAZARD EASEMENT	
X			5.00	AVIGATION & HAZARD EASEMENT	



VICINITY MAP
SCALE: 1"=4 MILES
T 72 S, R 117 W
SEWARD MERIDIAN, ALASKA
U.S.G.S. UNALASKA



ALASKA STATE PLANE COORDINATE SYSTEM
ZONE 10

U.S.C. & G.S. SOUTH BASE 2
N 1192887.73 E 5040166.29
MEAN AZIMUTH CORRECTION = 07° 33' 36.8"

U.S.C. & G.S. SOUTH RADIO TOWER
N 1187962.97 E 5036228.07
MEAN AZIMUTH CORRECTION = 07° 32' 36.3"

RUNWAY MIDPOINT (EXISTING)
N 1192597.36 E 5033788.53
MEAN AZIMUTH CORRECTION = 07° 32' 12.2"

MEAN SCALE FACTOR = 1.00002105
ALL BEARINGS & DISTANCES SHOWN ARE GRID.

LEGEND

- U.S. NAVY IRON CAPPED CONCRETE POST
- EXISTING STRUCTURE
- A.D.A. 5/8" REBAR WITH ALUMINUM CAP

THIS INFORMATION IS BASED ON DIVISION OF AVIATION DUTCH HARBOR SURVEY CONTROL SHEET, 3/6/75

NOTE

1. AIRPORT NAME CHANGED BY VILLAGE RESOLUTION.
2. ALL BEARINGS, DISTANCES & AREAS ARE SUBJECT TO VERIFICATION BY BLM FIELD SURVEY PURSUANT TO ANCSA AS SET FORTH IN 43 CFR 2650.5-4(b).

BY	DATE	CHANGE
~	5-4-01	FAA APPROVED
	9-25-92	F.A.A. APPROVED
DT	7-24-91	AS BUILT PER PROJECT No. 53261
JGW	10/20/86	UPDATE PROP. STATUS TR. III PAR. A & B, TR. IV PAR. A & B, SPLIT TR. III & TR. IV INTO PARCELS A & B
JGW	12/9/83	UPDATE PROPERTY STATUS TRACT I, A.D.A. No. 11355 ADDED POB. & DIMENSION TO TRACT VII

REVISIONS

THIS PLAN SUPERSEDES PROPERTY PLAN DATED 7/29/80

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

UNALASKA AIRPORT
(DUTCH HARBOR)
PROPERTY PLAN

APPROVED: TOMMY GENE HENNICH, P.E. — CHIEF DESIGN ENGINEER
APPROVED: BROOKS H. WADE, P.E. — EASTERN DISTRICT ENGINEER

SCALE	DESIGNED	DRAWN	SHEET
1" = 400'	JGW	DT	1 OF 1
	CHECKED RHW	DATE 10/10/83	

AIRPORT LAYOUT PLAN