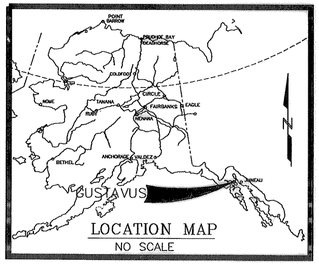
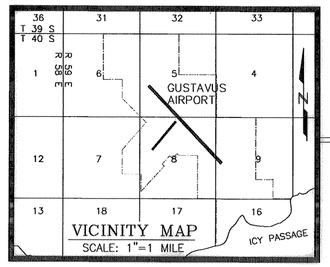
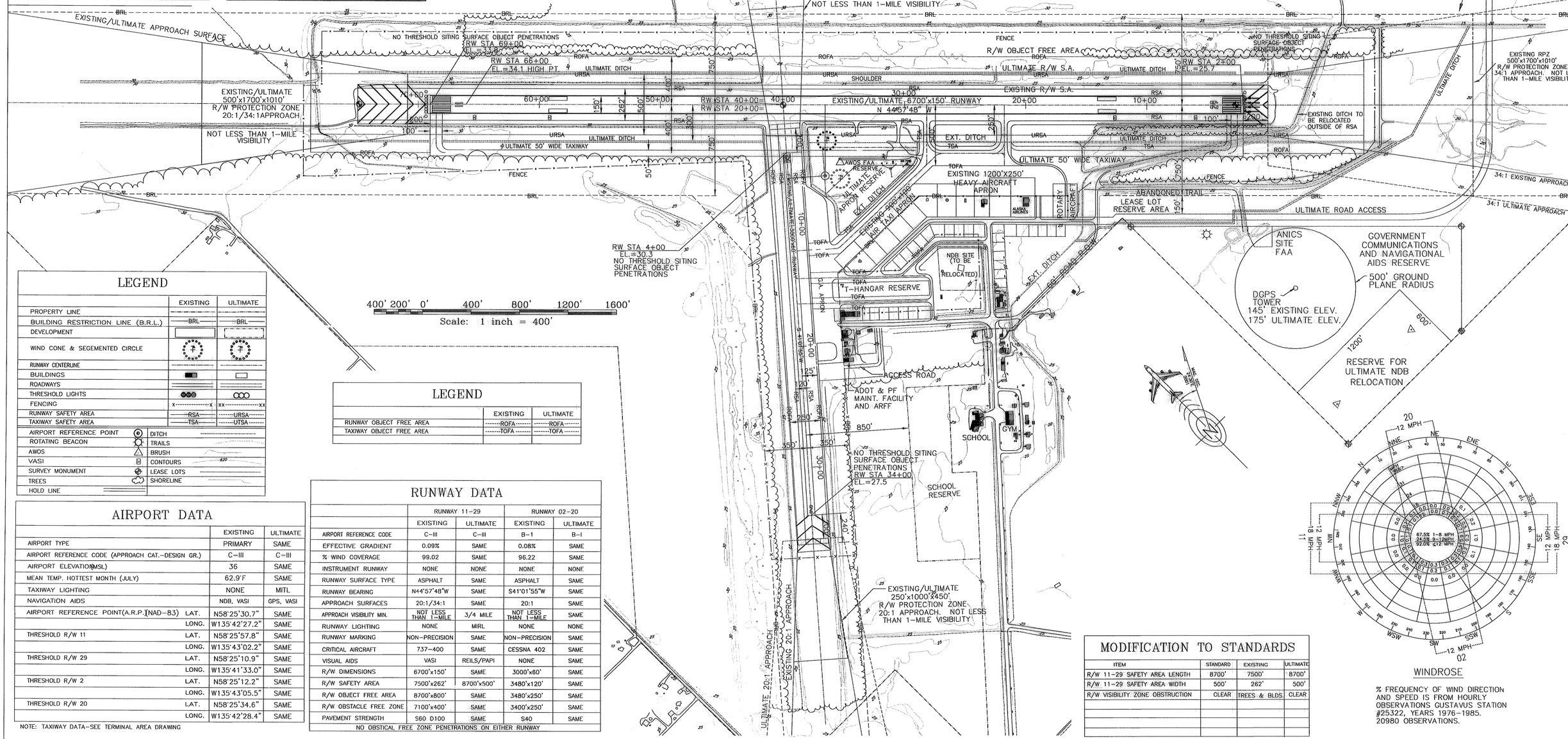


LOCATION MAP
NO SCALE



VICINITY MAP
SCALE: 1"=1 MILE



LEGEND

	EXISTING	ULTIMATE
PROPERTY LINE		
BUILDING RESTRICTION LINE (B.R.L.)	BRL	BRL
DEVELOPMENT		
WIND CONE & SEGEMENTED CIRCLE		
RUNWAY CENTERLINE		
BUILDINGS		
ROADWAYS		
THRESHOLD LIGHTS		
FENCING	x x	x x
RUNWAY SAFETY AREA	RSA	URSA
TAXIWAY SAFETY AREA	TSA	UTSA
AIRPORT REFERENCE POINT	DITCH	
ROTATING BEACON	TRAILS	
AWOS	BRUSH	
VASI	CONTOURS	620
SURVEY MONUMENT	LEASE LOTS	
TREES	SHORELINE	
HOLD LINE		

LEGEND

	EXISTING	ULTIMATE
RUNWAY OBJECT FREE AREA	ROFA	ROFA
TAXIWAY OBJECT FREE AREA	TOFA	TOFA

AIRPORT DATA

		EXISTING	ULTIMATE
AIRPORT TYPE		PRIMARY	SAME
AIRPORT REFERENCE CODE (APPROACH CAT.-DESIGN GR.)		C-III	C-III
AIRPORT ELEVATION(MSL)		36	SAME
MEAN TEMP. HOTTEST MONTH (JULY)		62.9°F	SAME
TAXIWAY LIGHTING		NONE	MITL
NAVIGATION AIDS		NDB, VASI	GPS, VASI
AIRPORT REFERENCE POINT(A.R.P.)(NAD-83)	LAT.	N58°25'30.7"	SAME
	LONG.	W135°42'27.2"	SAME
THRESHOLD R/W 11	LAT.	N58°25'57.8"	SAME
	LONG.	W135°43'02.2"	SAME
THRESHOLD R/W 29	LAT.	N58°25'10.9"	SAME
	LONG.	W135°41'33.0"	SAME
THRESHOLD R/W 2	LAT.	N58°25'12.2"	SAME
	LONG.	W135°43'05.5"	SAME
THRESHOLD R/W 20	LAT.	N58°25'34.6"	SAME
	LONG.	W135°42'28.4"	SAME

NOTE: TAXIWAY DATA-SEE TERMINAL AREA DRAWING

RUNWAY DATA

	RUNWAY 11-29		RUNWAY 02-20	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
AIRPORT REFERENCE CODE	C-III	C-III	B-I	B-I
EFFECTIVE GRADIENT	0.09%	SAME	0.08%	SAME
% WIND COVERAGE	99.02	SAME	96.22	SAME
INSTRUMENT RUNWAY	NONE	NONE	NONE	NONE
RUNWAY SURFACE TYPE	ASPHALT	SAME	ASPHALT	SAME
RUNWAY BEARING	N44°57'48"W	SAME	S41°01'55"W	SAME
APPROACH SURFACES	20:1/34:1	SAME	20:1	SAME
APPROACH VISIBILITY MIN.	NOT LESS THAN 1-MILE	3/4 MILE	NOT LESS THAN 1-MILE	SAME
RUNWAY LIGHTING	NONE	MIRL	NONE	NONE
RUNWAY MARKING	NON-PRECISION	SAME	NON-PRECISION	SAME
CRITICAL AIRCRAFT	737-400	SAME	CESSNA 402	SAME
VISUAL AIDS	VASI	REILS/PAPI	NONE	SAME
R/W DIMENSIONS	6700'x150'	SAME	3000'x60'	SAME
R/W SAFETY AREA	7500'x262'	8700'x500'	3480'x120'	SAME
R/W OBJECT FREE AREA	8700'x800'	SAME	3480'x250'	SAME
R/W OBSTACLE FREE ZONE	7100'x400'	SAME	3400'x250'	SAME
PAVEMENT STRENGTH	S60 D100	SAME	S40	SAME

NO OBSTICAL FREE ZONE PENETRATIONS ON EITHER RUNWAY

MODIFICATION TO STANDARDS

ITEM	STANDARD	EXISTING	ULTIMATE
R/W 11-29 SAFETY AREA LENGTH	8700'	7500'	8700'
R/W 11-29 SAFETY AREA WIDTH	500'	262'	500'
R/W VISIBILITY ZONE OBSTRUCTION	CLEAR	TREES & BLDS.	CLEAR

WINDROSE

% FREQUENCY OF WIND DIRECTION AND SPEED IS FROM HOURLY OBSERVATIONS GUSTAVUS STATION #25322, YEARS 1976-1985. 20980 OBSERVATIONS.

PLANNED:

DRAWN:

CHECKED:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION PLANNING

PREVIOUS REVISION DATE: February 2, 2000
APPROVED:
DATE: 2/25/03
VERNE SKAGERBERG, TRANSPORTATION PLANNER, FOR
ANDY HUGHES, CHIEF OF PLANNING

FAA AIRSPACE REVIEW NO: 99-AAL-073-NRA
FAA APPROVAL DATE: 3/24/03
BY:
FAA AIRPORT DIVISION, ALASKA REGION, AAL-600
SUBJECT TO CONDITIONS IN LETTER DATED: 3/24/03
PREVIOUS ALP FAA APPROVAL DATE: March 28, 2000

Gustavus Airport

Airport Layout Plan

SHEET 1 OF 7

EDGE OF SHOULDER
EDGE OF PAVEMENT
EXISTING/ULTIMATE RUNWAY SAFETY AREA 3480'x120'
STRIPE, TYP.
EXISTING/ULTIMATE 3000'x60' RUNWAY
S 41°01'55"W
EXISTING/ULTIMATE RUNWAY SAFETY AREA
RW STA 4+00
RW 10/28 STA 39+00=
RW 01/19 STA 10+00
N 44°57'48" W
STRIPE, TYP.
EDGE OF PAVEMENT
EDGE OF SHOULDER
ULTIMATE RUNWAY SAFETY AREA
EXISTING/ULTIMATE RUNWAY 10-28 6700'x150'
EXISTING RUNWAY SAFETY AREA 7500'x 262'
EXISTING RUNWAY SAFETY AREA 8700'x500'
ULTIMATE RUNWAY SAFETY AREA 7500'x 262'
ULTIMATE 50' WIDE TAXIWAY
ULTIMATE AIR TAXI APRON RESERVE
ULTIMATE DITCH
EXISTING DITCHES (TYPICAL)
14' SERVICE ROAD
FAA FACILITY RESERVE
AWOS
TRANSIENT JET HARDSTAND
EXISTING AIR TAXI APRON 415'X175'
GENERAL AVIATION APRON 726'x175'
GENERAL AVIATION TIEDOWNS
ULTIMATE GENERAL AVIATION APRON 1026'x225'
FUTURE APRON EXPANSION
RW STA 30+25-350'LT.
RW STA 29+77±
GATE
ULTIMATE FENCE
ACCESS ALLEY
MAINTENANCE ROAD
ARFF & EQUIPMENT BLDG.
SCHOOL RESERVE
AIRPORT ACCESS ROAD
T-HANGAR RESERVE (FUTURE)
LOTS
LEASE LOTS
COMMERCIAL LEASE LOTS
TAXIWAY E (25' x 800')
TAXIWAY D (25' x 800')
TRANSIENT AIRCRAFT REFUELING APPRON
FUEL PUMP
FUEL TANKS
AIRCRAFT TAXILANE C (35' x 1180')
AIR TAXI TAXILANE C
EXISTING 900'x180' AIR TAXI APRON
EXISTING DITCH
BRL IS COLLOCATED WITH R/W VISIBILITY ZONE
24' WIDE PI STA 16+73.89 ACCESS RD.
25' WIDE ACCESS RD.
60' ROW
GATE 40' ACCESS ROAD ROW
EXT. FENCE
TO BE RELOCATED IN FUTURE
FAA NDB SITE TO BE RELOCATED IN FUTURE
EXISTING 1200'X200' AIR CARRIER/TURBO AARF APRON
TAXIWAY B STA. 28+13.76 (50' x 265')
TAXILANE C
1094'
1212'
155.56'
106.70'
70.50'
86.89'
121.89'
109.92'
88.03'
102.93'
105.04'
105.10'
369.86'
238.74'
233.05'
86.67'
76.88'
322.5'
61.5' TYP
51.5' TYP
81' TYP
100' TYP.
MAG. DEC. 16°30'E 1994

0 100 200 300 400 500
SCALE IN FEET

LEGEND

	EXISTING	ULTIMATE
PROPERTY LINE		
BUILDING RESTRICTION LINE (B.R.L.)	BRL	BRL
DEVELOPMENT		
WIND CONE & SEGEMENTED CIRCLE		
RUNWAY SAFETY AREA	RSA	URSA
RUNWAY OBJECT FREE AREA	ROFA	ROFA
TAXIWAY SAFETY AREA	TSA	UTSA
TAXIWAY OBJECT FREE AREA	TOFA	TOFA
WIND CONE & SEGEMENTED CIRCLE		
BUILDINGS		
ROADWAYS		
THRESHOLD LIGHTS		
FENCING	x x	xx xx
AIRPORT REFERENCE POINT	DITCH	
ROTATING BEACON	TRAILS	
AWOS	LEASELOTS	
VASI	CONTOURS	
SURVEY MONUMENT		
HOLDLINE		

BUILDINGS/FACILITIES

EXISTING	FUTURE	DESCRIPTION	ELEVATION	DISPOSITION
①		ADOT/PF EQUIPMENT & ARFF BLDG.	–	REMAIN
②		HANGAR (PRIVATE)	43'	REMAIN
③		HANGAR (PRIVATE)	39'	REMAIN
④		HANGAR (PRIVATE)	49'	REMAIN
⑤		ADOT/PF STORAGE	42'	REMAIN
⑥		ADOT/PF FACILITY	45'	REMAIN
⑦		HANGER(PRIVATE)	48'	REMAIN
⑨		FAA STORAGE (VEHICLE)	39'	RELOCATE
⑩		FAA STORAGE FACILITY & TOWER	70'	RELOCATE
⑪		FAA TRANSCEIVER SITE & TOWER	70'	RELOCATE
⑫		FUEL PUMPS	37'	REMAIN
⑬		FUEL STORAGE TANKS	35'	REMAIN
	⑭	HAINES AIRWAYS		
⑮		LAB FLYING SERVICE	40'	REMAIN
⑲		NDB TOWER	165'	RELOCATE
㉖		AWOS	40'	REMAIN

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PLOT F\ HALF(50) FULL (100)

PLANNED CEC
DRAWN SMT
CHECKED AH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION – PLANNING

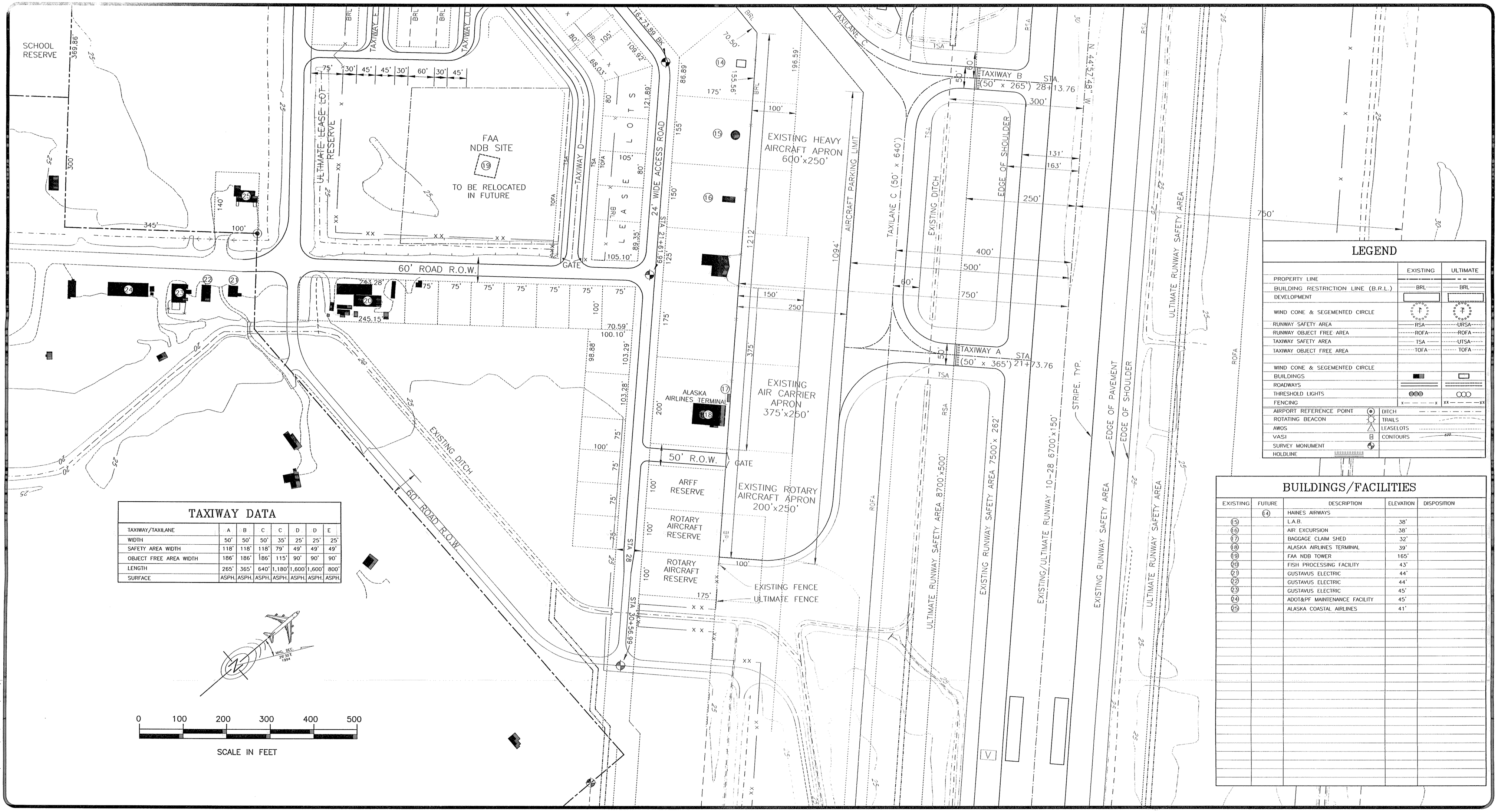
Previous Revision Date July 1, 1998
Latest Revision Date March 26, 1999

Andy Hughes DATE 4-5-99
Andy Hughes, Acting Chief of Planning

FAA AIRSPACE REVIEW NO. ~~95-AAL-089-NRA~~ 99-AAL-073-NRA
FAA APPROVAL DATE For Letter Dated March 28 2000
BY: Barbara J. Johnson
FAA, AIRPORT DIVISION
ALASKAN REGION, AAL-600
SUBJECT TO CONDITIONS OF LETTER DATED JULY 29, 1998, 3/28/2000
PREVIOUS ALP FAA APPROVAL DATE 7-29-98

GUSTAVUS AIRPORT
TERMINAL AREA DRAWING

SHEET 2a OF 7



TAXIWAY DATA

TAXIWAY/TAXILANE	A	B	C	C	D	D	E
WIDTH	50'	50'	50'	35'	25'	25'	25'
SAFETY AREA WIDTH	118'	118'	118'	79'	49'	49'	49'
OBJECT FREE AREA WIDTH	186'	186'	186'	115'	90'	90'	90'
LENGTH	265'	365'	640'	1,180'	1,600'	1,600'	800'
SURFACE	ASPH.	ASPH.	ASPH.	ASPH.	ASPH.	ASPH.	ASPH.

LEGEND

	EXISTING	ULTIMATE
PROPERTY LINE		
BUILDING RESTRICTION LINE (B.R.L.)	BRL	BRL
DEVELOPMENT		
WIND CONE & SEGEMENTED CIRCLE		
RUNWAY SAFETY AREA	RSA	RSA
RUNWAY OBJECT FREE AREA	ROFA	ROFA
TAXIWAY SAFETY AREA	TSA	TSA
TAXIWAY OBJECT FREE AREA	TOFA	TOFA
WIND CONE & SEGEMENTED CIRCLE		
BUILDINGS		
ROADWAYS		
THRESHOLD LIGHTS		
FENCING	x x	xx xx

AIRPORT REFERENCE POINT
ROTATING BEACON
AWOS
VASI
SURVEY MONUMENT
HOLDLINE
DITCH
TRAILS
LEASELOTS
CONTOURS 620

BUILDINGS/FACILITIES

EXISTING	FUTURE	DESCRIPTION	ELEVATION	DISPOSITION
	14	HAINES AIRWAYS		
15		L.A.B.	38'	
16		AIR EXCURSION	38'	
17		BAGGAGE CLAIM SHED	32'	
18		ALASKA AIRLINES TERMINAL	39'	
19		FAA NDB TOWER	165'	
20		FISH PROCESSING FACILITY	43'	
21		GUSTAVUS ELECTRIC	44'	
22		GUSTAVUS ELECTRIC	44'	
23		GUSTAVUS ELECTRIC	45'	
24		ADOT&PF MAINTENANCE FACILITY	45'	
25		ALASKA COASTAL AIRLINES	41'	

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PLOT F:\ HALF(50) FULL(100)

PLANNED CEC
DRAWN SMT
CHECKED AH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION – PLANNING

Last Revision Date July 1,1998

Andy Hughes DATE 7-1-98
Andy Hughes, Acting Chief of Planning

FAA AIRSPACE REVIEW NO. ~~95~~-AAL-~~033~~-NRA

FAA APPROVAL DATE July 29 1998

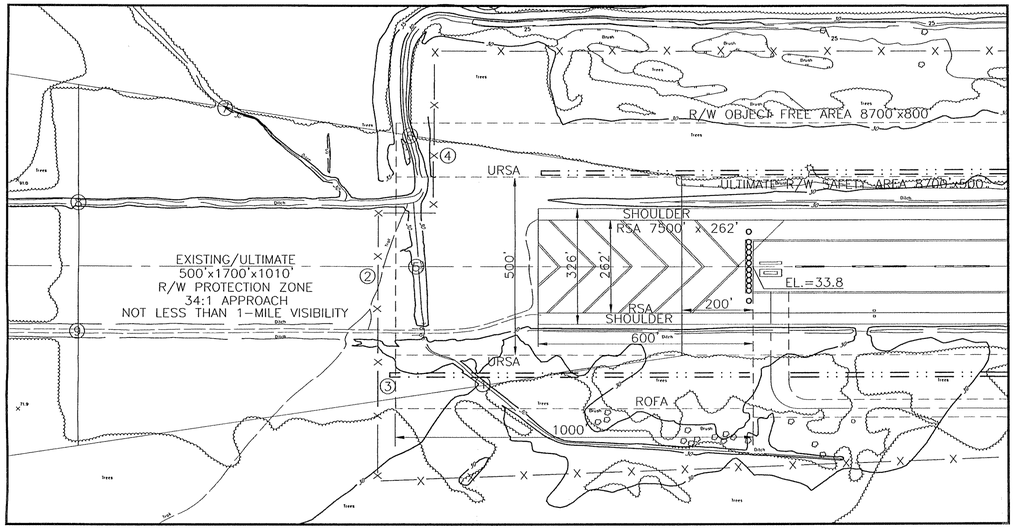
BY: Barbara J. Johnson
FAA, AIRPORT DIVISION
ALASKAN REGION, AAL-600
Subject to Letter Dated July 29 1998

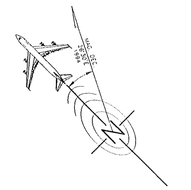
PREVIOUS ALP FAA APPROVAL DATE 12-18-97

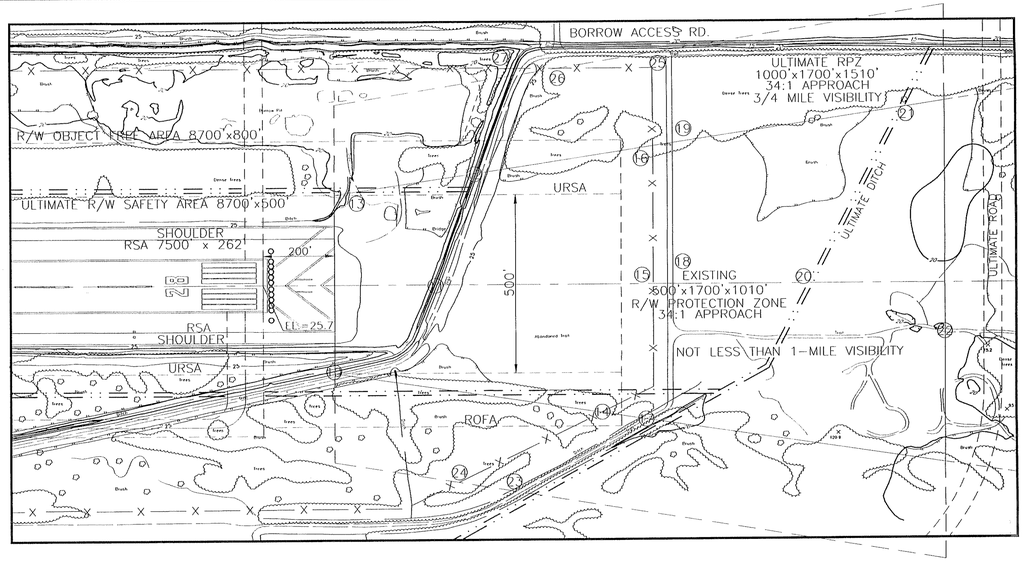
GUSTAVUS AIRPORT

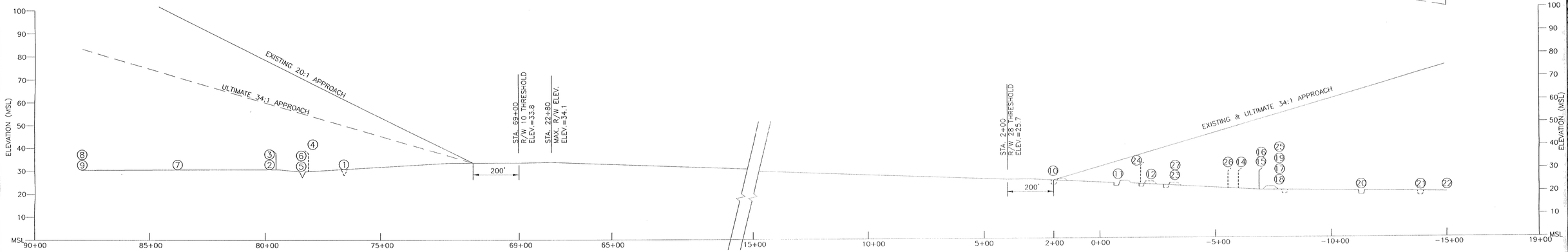
TERMINAL AREA DRAWING

SHEET 2b OF 7









RUNWAY 10-28 PROTECTION ZONE PROFILE

R/W 10 PROTECTION ZONE PLAN VIEW

R/W 10 PROTECTION ZONE OBSTRUCTION TABLE				
OBSTRUCTION NO.	DESCRIPTION	ELEVATION (MSL)	AMT. OF PENETRATION	RECOMMENDATION
①	DITCH	30.0	NONE	NONE
②	ULTIMATE FENCE	39.0	NONE	NONE
③	ULTIMATE FENCE	39.0	NONE	NONE
④	ULTIMATE FENCE	39.0	NONE	NONE
⑤	DITCH	30.0	NONE	NONE
⑥	DITCH	30.0	NONE	NONE
⑦	DITCH	30.0	NONE	NONE
⑧	DITCH	32.5	NONE	NONE
⑨	DITCH	31.2	NONE	NONE

R/W 28 PROTECTION ZONE PLAN VIEW

R/W 28 PROTECTION ZONE OBSTRUCTION TABLE				
OBSTRUCTION NO.	DESCRIPTION	ELEVATION (MSL)	AMT. OF PENETRATION	RECOMMENDATION
⑩	ROAD/DITCH	25.0	NONE	RELOCATE
⑪	ROAD/DITCH	24.0	NONE	RELOCATE
⑫	ROAD/DITCH	24.0	NONE	RELOCATE
⑬	TRAIL	23.0	NONE	NONE
⑭	ULTIMATE FENCE	30.0	NONE	NONE
⑮	ULTIMATE FENCE	31.0	NONE	NONE
⑯	ULTIMATE FENCE	31.0	NONE	NONE
⑰	ROAD/DITCH	21.0	NONE	RELOCATE ROAD
⑱	ROAD	22.0	NONE	RELOCATE ROAD
⑲	ROAD	22.0	NONE	RELOCATE ROAD
⑳	ULTIMATE DITCH	22.0	NONE	NONE
㉑	ULTIMATE DITCH	22.0	NONE	NONE
㉒	TRAIL	20.8	NONE	NONE

R/W 28 PROTECTION ZONE PLAN VIEW

R/W 28 PROTECTION ZONE OBSTRUCTION TABLE				
OBSTRUCTION NO.	DESCRIPTION	ELEVATION (MSL)	AMT. OF PENETRATION	RECOMMENDATION
㉓	ROAD/DITCH	21.0	NONE	RELOCATE
㉔	ULTIMATE FENCE	30.0	NONE	NONE
㉕	ROAD	22.0	NONE	RELOCATE
㉖	ULTIMATE FENCE	31.0	NONE	NONE
㉗	ROAD/DITCH	24.0	NONE	RELOCATE

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PLOTF:\HALF(100) FULL(200)

PLANNED CEC
DRAWN SMT
CHECKED AH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION - PLANNING

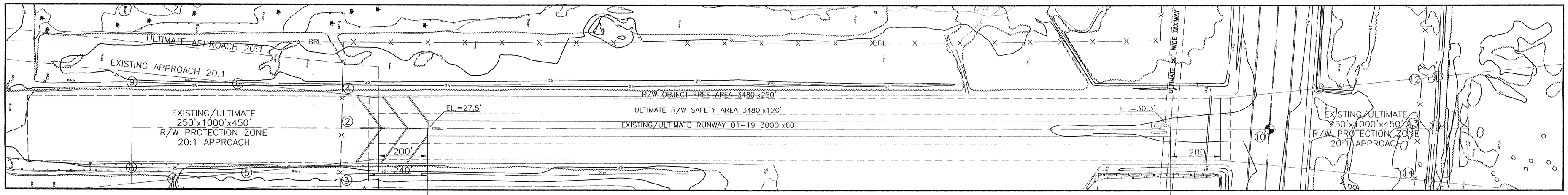
Last Revision Date July 1, 1998
APPROVED

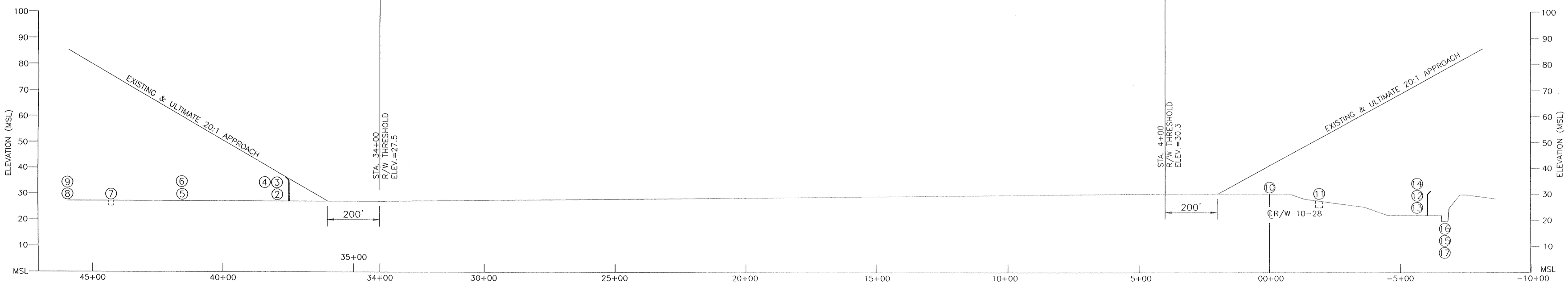
Andy Hughes DATE 7-1-98
Andy Hughes, Acting Chief of Planning

FAA AIRSPACE REVIEW NO. ~~95~~98-AAL-~~089~~098-NRA
FAA APPROVAL DATE July 29 1998
BY: Barbara Johnson
FAA, AIRPORT DIVISION
ALASKAN REGION, AAL-600
Subject to Letter Dated July 29 1998
PREVIOUS ALP FAA APPROVAL DATE 12-18-97

GUSTAVUS AIRPORT
R/W 10-28 PROTECTION ZONES

SHEET 3 OF 7



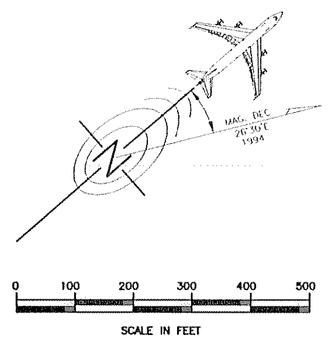


RUNWAY 01-19 PROTECTION ZONE PROFILE

R/W 01 PROTECTION ZONE PLAN VIEW

R/W 01 PROTECTION ZONE OBSTRUCTION TABLE

OBSTRUCTION NO.	DESCRIPTION	ELEVATION (MSL)	OBSTRUCTION	RECOMMENDATION
②	ULTIMATE FENCE	35.5	NONE	NONE
③	ULTIMATE FENCE	35.5	NONE	NONE
④	ULTIMATE FENCE	35.5	NONE	NONE
⑤	DITCH	25.0	NONE	NONE
⑥	DITCH	25.0	NONE	NONE
⑦	DITCH	25.0	NONE	NONE
⑧	DITCH	25.0	NONE	NONE
⑨	DITCH	25.0	NONE	NONE



R/W 19 PROTECTION ZONE PLAN VIEW

R/W 19 PROTECTION ZONE OBSTRUCTION TABLE

OBSTRUCTION NO.	DESCRIPTION	ELEVATION (MSL)	OBSTRUCTION	RECOMMENDATION
⑩	RUNWAY 10-28	30.7	NONE	NONE
⑪	DITCH	27.0	NONE	NONE
⑫	ULTIMATE FENCE	31.5	NONE	NONE
⑬	ULTIMATE FENCE	31.5	NONE	NONE
⑭	ULTIMATE FENCE	31.5	NONE	NONE
⑮	DITCH	23.0	NONE	NONE
⑯	DITCH	23.0	NONE	NONE
⑰	DITCH	23.0	NONE	NONE

P:\GUS\ALP-97\PZ01-19.DWG
PLOT F:\ HALF(100) FULL (200)

PLANNED CEC
DRAWN SMT
CHECKED AH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION – PLANNING

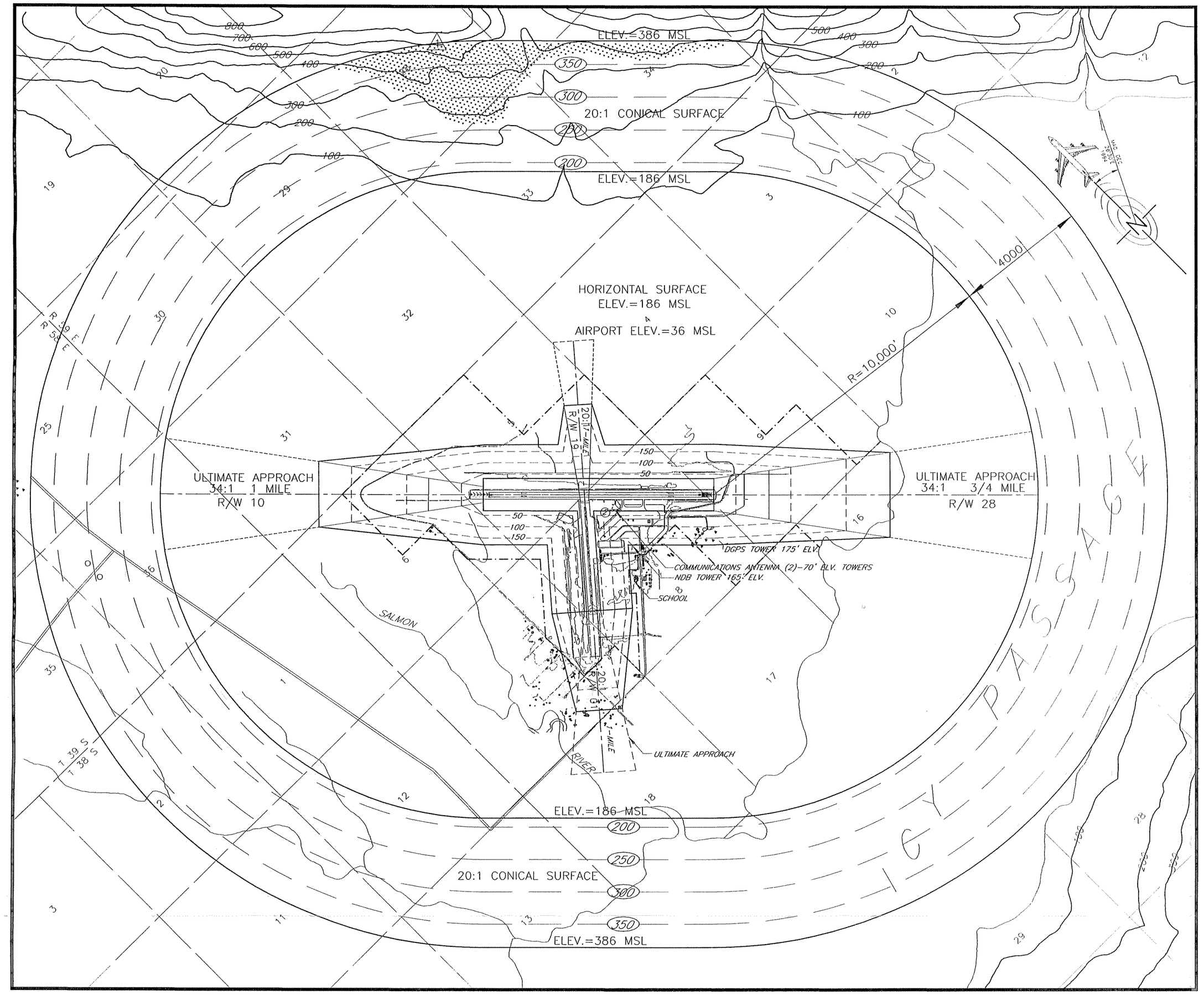
Last Revision Date July 1, 1998
APPROVED

Andy Hughes DATE 7-1-98
Andy Hughes, Acting Chief of Planning

FAA AIRSPACE REVIEW NO. ~~98~~-AAL-~~039~~-NRA
FAA APPROVAL DATE July 29 1998
BY: Barbara Johnson
FAA, AIRPORT DIVISION
ALASKAN REGION, AAL-600
Subject to letter Dated July 29 1998
PREVIOUS ALP FAA APPROVAL DATE 12-18-97

GUSTAVUS AIRPORT
R/W 01-19 PROTECTION ZONES

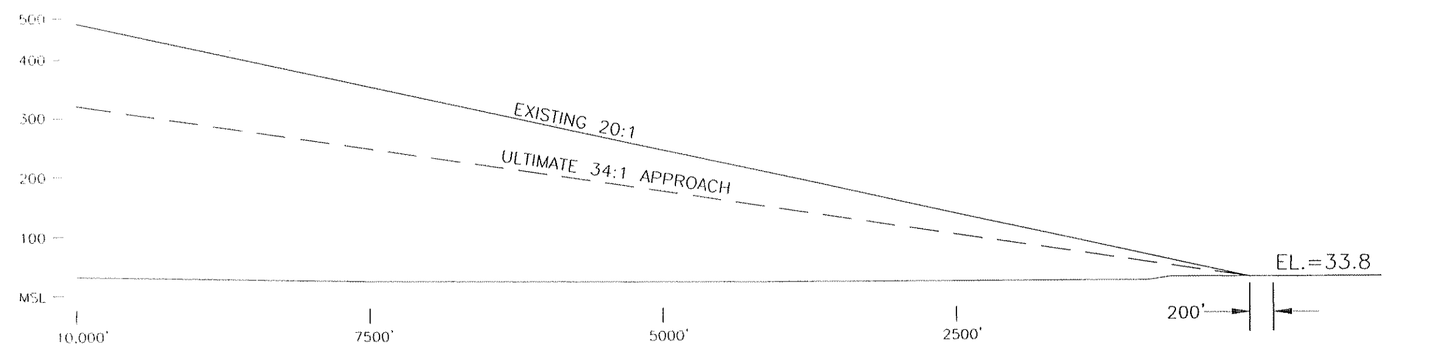
SHEET 4 OF 7



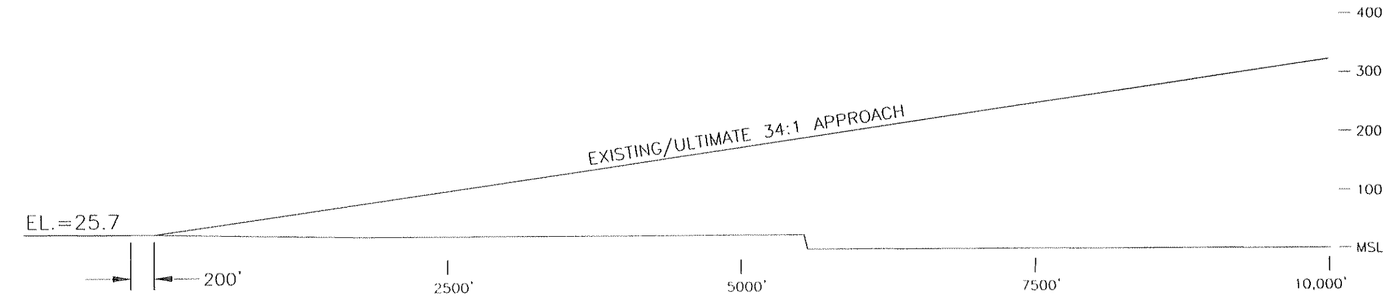
REF. USGS QUAD MAP JUNEAU B-6

0 5000 10,000

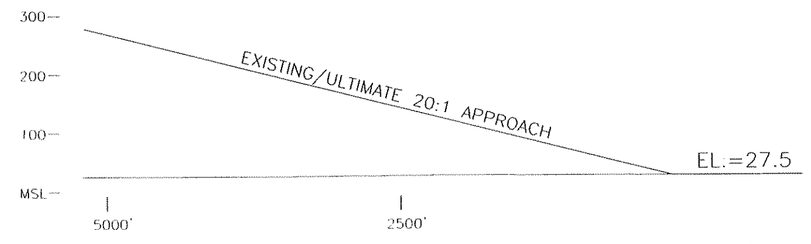
SCALE IN FEET



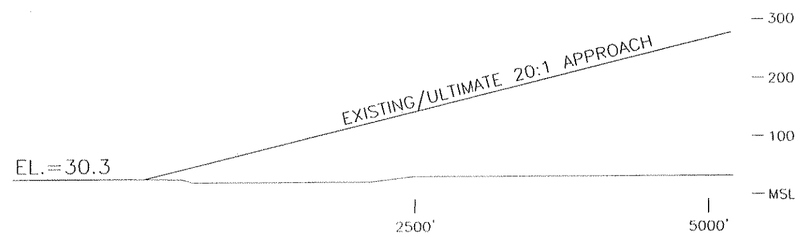
RUNWAY 10 APPROACH ZONE PROFILE



RUNWAY 28 APPROACH ZONE PROFILE



RUNWAY 01 APPROACH ZONE PROFILE



RUNWAY 19 APPROACH ZONE PROFILE

TERRAIN PENETRATION

OBSTRUCTION TABLE

OBST. NO.	DESCRIPTION	AMT. OF PENETRATION	RECOMMENDATION
1	TERRAIN PENETRATION	214'	WAIVER
2	FAA COMM. ANTENNA(2)	35'	RELOCATE

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PLOTF\HALF(1000) FULL (2000)

DESIGN CEC

DRAWN SMT

CHECKED AH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION – PLANNING

Last Revision Date July 1, 1998
APPROVED

Andy Hughes DATE 7-1-98
Andy Hughes, Acting Chief of Planning

FAA AIRSPACE REVIEW NO. ~~95~~-AAL-~~089~~-NRA

FAA APPROVAL DATE July 29 1998

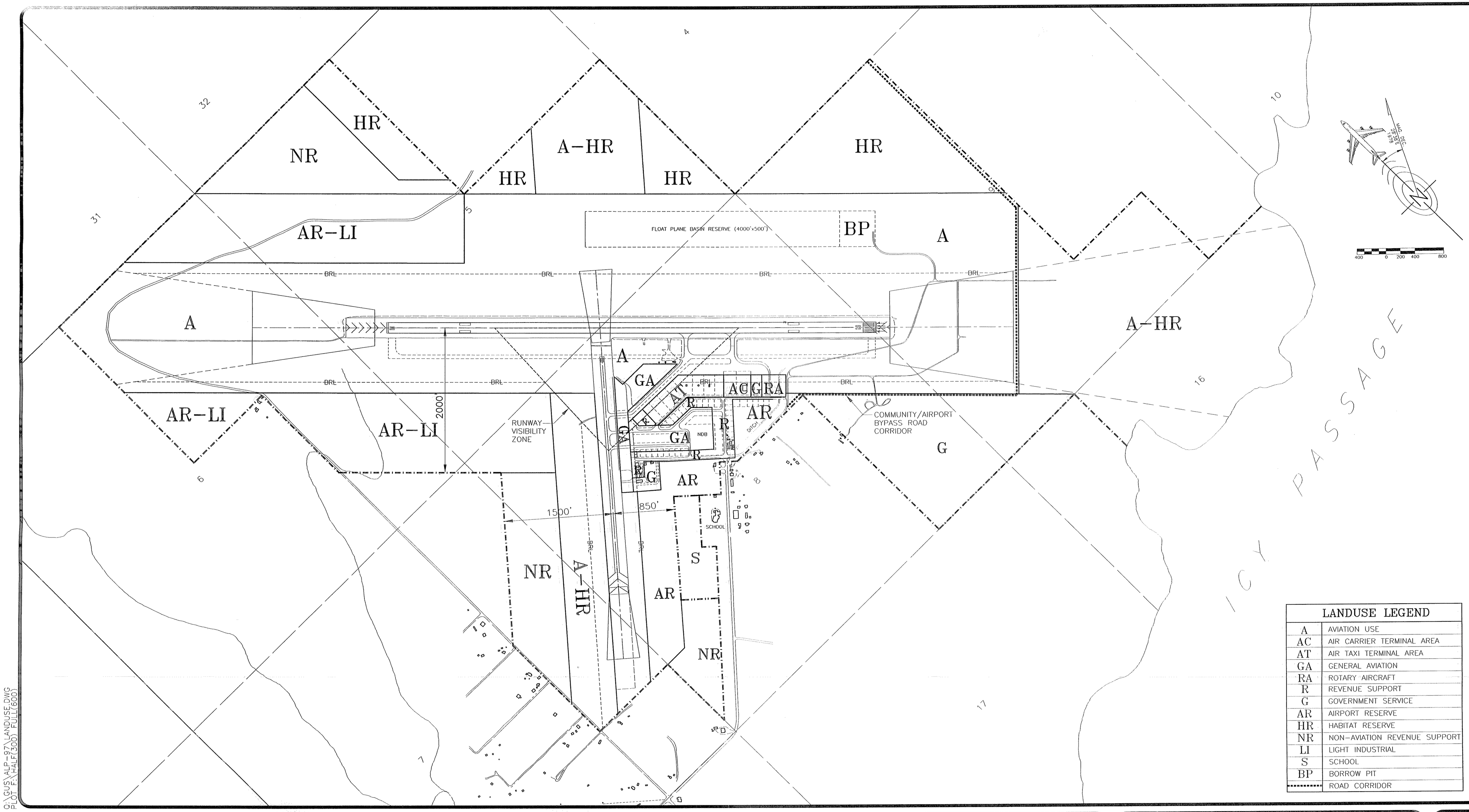
BY: Barbara J. Johnson
FAA, AIRPORT DIVISION
ALASKAN REGION, AAL-600
Subject to Letter Dated July 29 1998

PREVIOUS ALP FAA APPROVAL DATE 12-18-97

GUSTAVUS AIRPORT

AIRPORT AIRSPACE DRAWING

SHEET 5 OF 7



LANDUSE LEGEND	
A	AVIATION USE
AC	AIR CARRIER TERMINAL AREA
AT	AIR TAXI TERMINAL AREA
GA	GENERAL AVIATION
RA	ROTARY AIRCRAFT
R	REVENUE SUPPORT
G	GOVERNMENT SERVICE
AR	AIRPORT RESERVE
HR	HABITAT RESERVE
NR	NON–AVIATION REVENUE SUPPORT
LI	LIGHT INDUSTRIAL
S	SCHOOL
BP	BORROW PIT
----------	ROAD CORRIDOR

DESIGN CEC

DRAWN SMT

CHECKED AH

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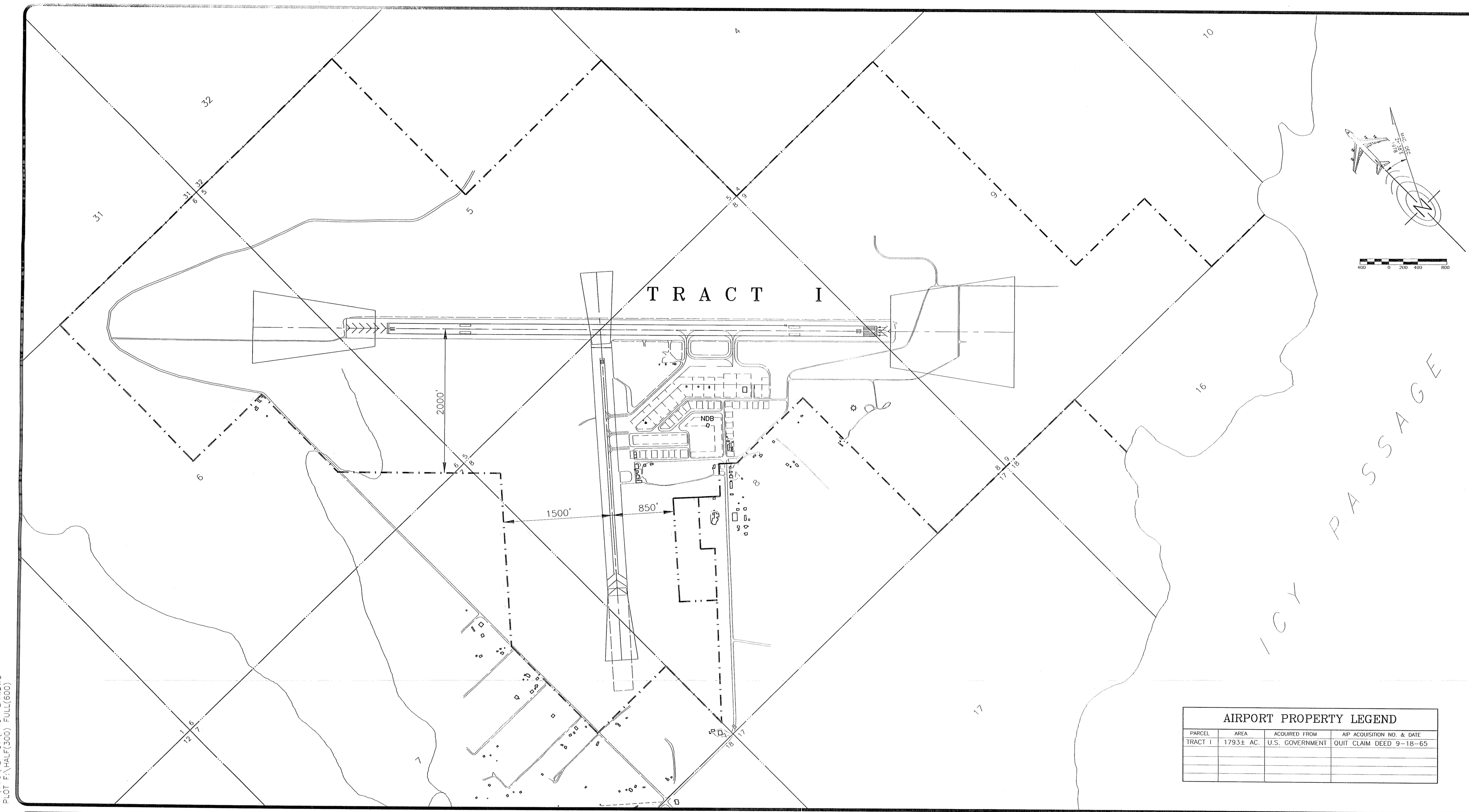
GUSTAVUS AIRPORT

AIRPORT LAND USE DRAWING

SHEET 6 OF 7



O:\GUS\ALP-97\PROPPLAN.DWG
PLOT F:\HALF(300) FULL(600)

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GUSTAVUS AIRPORT
AIRPORT PROPERTY MAP

SHEET 7 OF 7