U.S. Department
of Transportation

**Federal Aviation
Administration**

Alaskan Region

222 W. 7th Avenue #14
Anchorage, Alaska
99513-7587

June 17, 2010

Mr. Ryan Anderson, P.E.
Design Section Chief
Northern Region Department of Transportation
and Public Facilities, State of Alaska
2301 Peger Road
Fairbanks, Alaska 99709-5399

Dear Mr. Anderson:

Golovin Airport; Golovin, Alaska
Airport Layout Plan Conditional Approval
Airspace Case 2005AAL-181NRA

We have completed our review of the Golovin Airport Layout Plan (ALP), and find it acceptable from a planning standpoint.

The conditional approval indicated by my signature is given subject to the condition that the proposed airport development that requires environmental processing shall not be undertaken without prior written environmental approval by the FAA.

This approval considers only the safety, utility, and efficiency of the airport. We encourage you to work with appropriate agencies to encourage adoption of height and zoning restrictions.

This approval does not represent a commitment to provide financial assistance to implement the proposed plan. FAA assistance in any development or its approval for any development will be determined at the time of request, based on the existing regulations, project justification, and eligibility at the time of the request.

When airport construction, alteration, or deactivation is undertaken, such action requires FAA notification and review in accordance with the provisions of Part 77 and Part 157 of the Federal Aviation Regulations. In addition, all airport construction must be completed in accordance with FAA Advisory circulars current at the time of construction. Please attach this letter to the enclosed ALP and retain it in your files for future use.

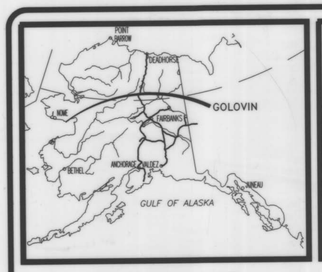
If you have any questions, please contact Matt Freeman at 271-5455.

Sincerely,

For

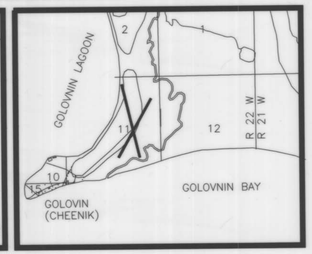
James W. Lomen
Deputy Division Manager, Airports Division

Enclosure
Golovin Airport ALP



LOCATION MAP

NO SCALE



VICINITY MAP

NO SCALE
SEC 11, T 11 S, R 22 W
KRM, USGS SOLOMON (C-2 & 3)

WIND DATA
SOURCE; AEIDC, UNIV. OF ALASKA CLIMATE CENTER
STATION: GOLOVIN
PERIOD: 11/06/85 – 3/10/87
WIND COVERAGE R/W 02/20: 86.6% @ 10.5 kn., 91.8% @ 13 kn., 97.0% @ 16 kn., 99.6% @ 20 kn.
WIND COVERAGE R/W 15/33: 87.2% @ 10.5 kn., 91.6% @ 13 kn., 95.8% @ 16 kn., 99.1% @ 20 kn.
COMBINED WIND COVERAGE @ 13 kn.: 96.1%

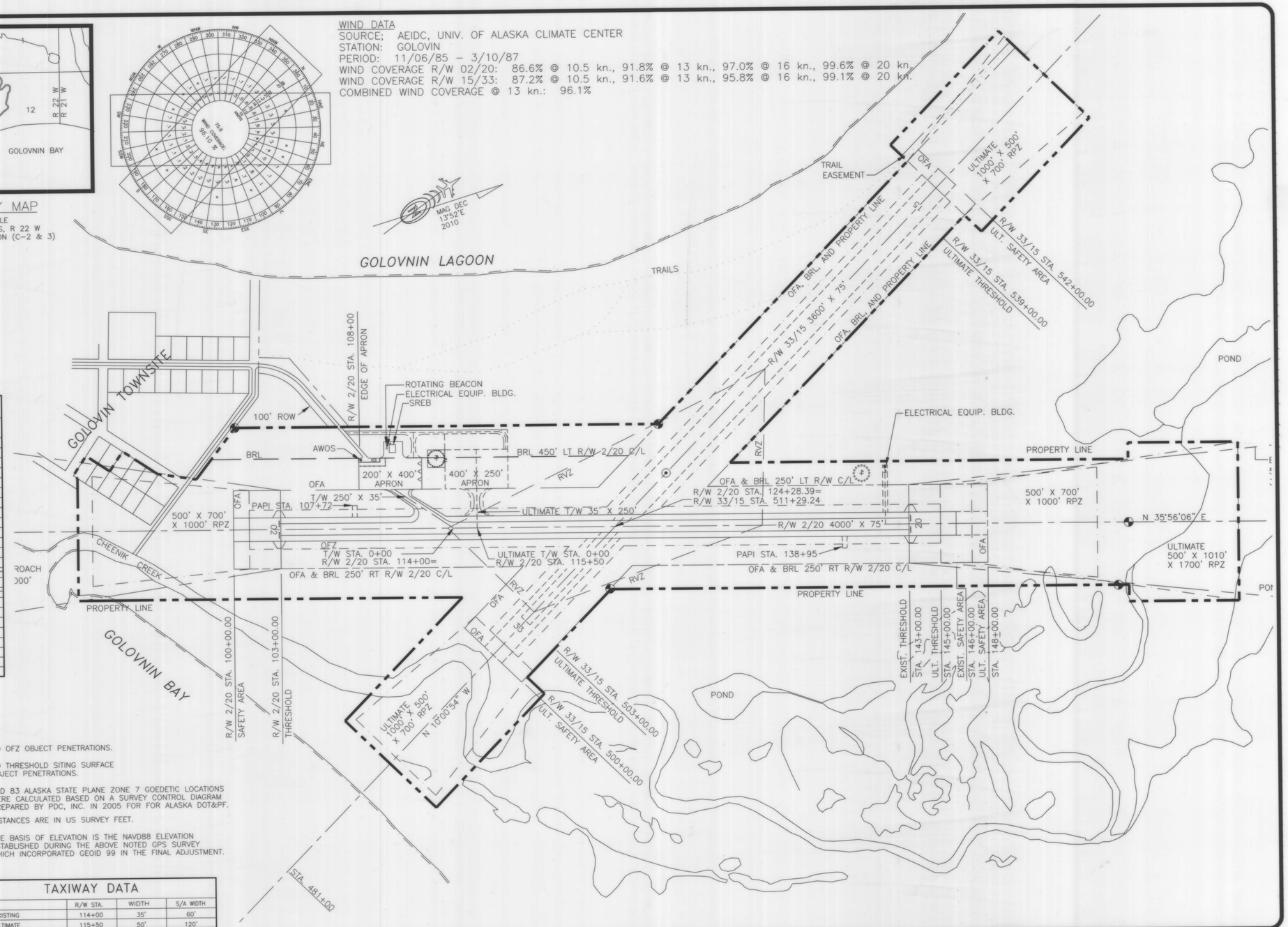
AIRPORT DATA

		EXISTING	ULTIMATE
NATIONAL AIRPORT IDENTIFIER = GLV			
AIRPORT ELEVATION (NAVD 88)		53.3'	56.7
AIRPORT REFERENCE POINT (ARP)	LAT.	——	N 64°33'06.89"
(ULT. ARP AT R/W 15/33 STA. 516+00)	LONG.	——	W 163°00'26.08"
MEAN DAILY MAXIMUM TEMPERATURE		60 F	–
AIRPORT AND TERMINAL NAVAIDS		ROT. BEACON	+NDB/LOC/VOR
AIRPORT REFERENCE CODE (ARC)		B–II	SAME
TAXIWAY LIGHTING/MARKING		MITL/NONE	SAME
WEATHER FACILITIES		AWOS	SAME

DATA BASE CONTROL YEAR: NAD 83
ARP IS AT R/W 02/20 STA 127+24.62, 322.02' LT.

RUNWAY DATA

	RUNWAY 02/20		RUNWAY 15/33	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE
APPROACH SURFACES	34:1/20:1	34:1/34:1	NONE	20:1/20:1
VISIBILITY MINIMUMS	V/V	≥1 MI./≥1 MI.	NONE	≥1 MI./≥1 MI.
INSTRUMENT RUNWAY	NONE	20	–	–
RUNWAY SURFACE TYPE	GRAVEL	GRAVEL	NONE	GRAVEL
% WIND COVERAGE (12 MPH)	79.85	97.0	78.96	78.96
R/W DIMENSIONS	4000' X 75'	4000' X 75'	NONE	3600' X 75'
R/W SAFETY AREA	4600' X 150'	4600' X 150'	NONE	4200' X 150'
R/W END COORDINATES:				
THRESHOLD 02 LAT.	N 64°32'45.72"	SAME	–	–
LONG.	W 163°00'52.69"	SAME	–	–
THRESHOLD 20 LAT.	N 64°33'17.58"	N 64°33'19.17"	–	–
LONG.	W 162°59'58.94"	W 162°59'56.26"	–	–
THRESHOLD 15 LAT.	–	–	NONE	N 64°33'29.52"
LONG.	–	–	NONE	W 163°00'35.08"
THRESHOLD 33 LAT.	–	–	NONE	N 64°32'54.63"
LONG.	–	–	NONE	W 163°00'20.81"
RUNWAY LIGHTING/MARKING	MIRL/NONE	SAME	NONE	MIRL/NONE
R/W VISUAL & INST. NAVAIDS	NONE	PAPI	NONE	PAPI
R/W OBJECT FREE AREA (ROFA)	4600' X 500'	SAME	NONE	4200' X 500'
R/W OBJECT FREE ZONE (ROFZ)	4400' X 250'	SAME	NONE	4000' X 250'
TOUCHDOWN ZONE ELEVATION R/W 2	53.33'	56.77'	–	–
TOUCHDOWN ZONE ELEVATION R/W 20	52.46'	55.16'	–	–
TOUCHDOWN ZONE ELEVATION R/W 15	–	–	NONE	45.84'
TOUCHDOWN ZONE ELEVATION R/W 33	–	–	NONE	45.84'



LEGEND

	EXISTING	ULTIMATE
PROPERTY LINE		
BUILDING RESTRICTION LINE (B.R.L.)	B.R.L.	B.R.L.
DEVELOPMENT		
WIND CONE & SEGMENTED CIRCLE		
WIND CONE ONLY		
BUILDINGS		
ROADWAYS		

OFA & BRL		OFZ	
AIRPORT REFERENCE POINT		SHORELINE/WATERLINE	
ROTATING BEACON		OFA	
ANTENNAE/TOWERS		THRESHOLD	
AWOS		RUNWAY VISIBILITY ZONE (RVZ)	

NOTES

1. NO OFZ OBJECT PENETRATIONS.
2. NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.
3. NAD 83 ALASKA STATE PLANE ZONE 7 GOEDETIC LOCATIONS WERE CALCULATED BASED ON A SURVEY CONTROL DIAGRAM PREPARED BY PDC, INC. IN 2005 FOR FOR ALASKA DOT&PF.
4. DISTANCES ARE IN US SURVEY FEET.
5. THE BASIS OF ELEVATION IS THE NAVD88 ELEVATION ESTABLISHED DURING THE ABOVE NOTED GPS SURVEY WHICH INCORPORATED GEOID 99 IN THE FINAL ADJUSTMENT.

MODIFICATIONS TO STANDARD PLS

ITEM	STANDARD	EXISTING	ULTIMATE
RUNWAY WIDTH	75'	75'	75'

TAXIWAY DATA

	R/W STA.	WIDTH	S/A WIDTH
EXISTING	114+00	35'	60'
ULTIMATE	115+50	50'	120'

DESIGN BTD
DRAWN BTD
CHECKED RJS

BY	DATE	REVISIONS
	11/6/98	UPDATED PER PROJECT 65034, AIP 3-02-0106-03 AS-BUILTS & AC 150/5300-13, CHG 4&5

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION–DESIGN AND CONSTRUCTION–AVIATION
APPROVED
RYAN F. ANDERSON, P.E.
DATE 5/11/2010
DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAY APPROVED
BY LETTER DATED: 6-17-10
AIRPORTS DIVISION
ALASKAN REGION, AAL-601
AIRSPACE REVIEW 05AAL-181NRA

SCALE IN FEET
300 150 0 300 600

GOLOVIN AIRPORT
AIRPORT LAYOUT PLAN

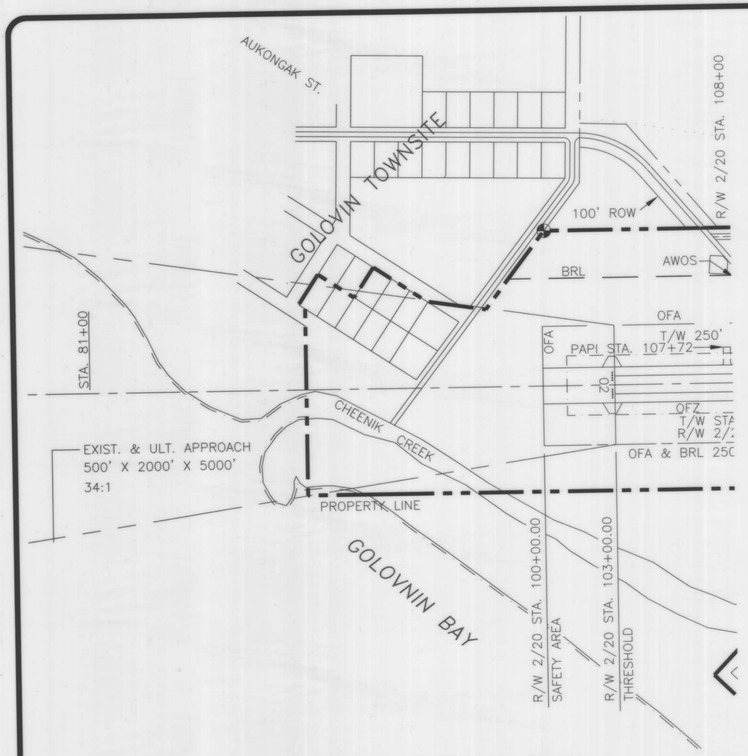
SHEET 1 OF 4

OBSTRUCTION TABLE: R/W 2 APPROACH

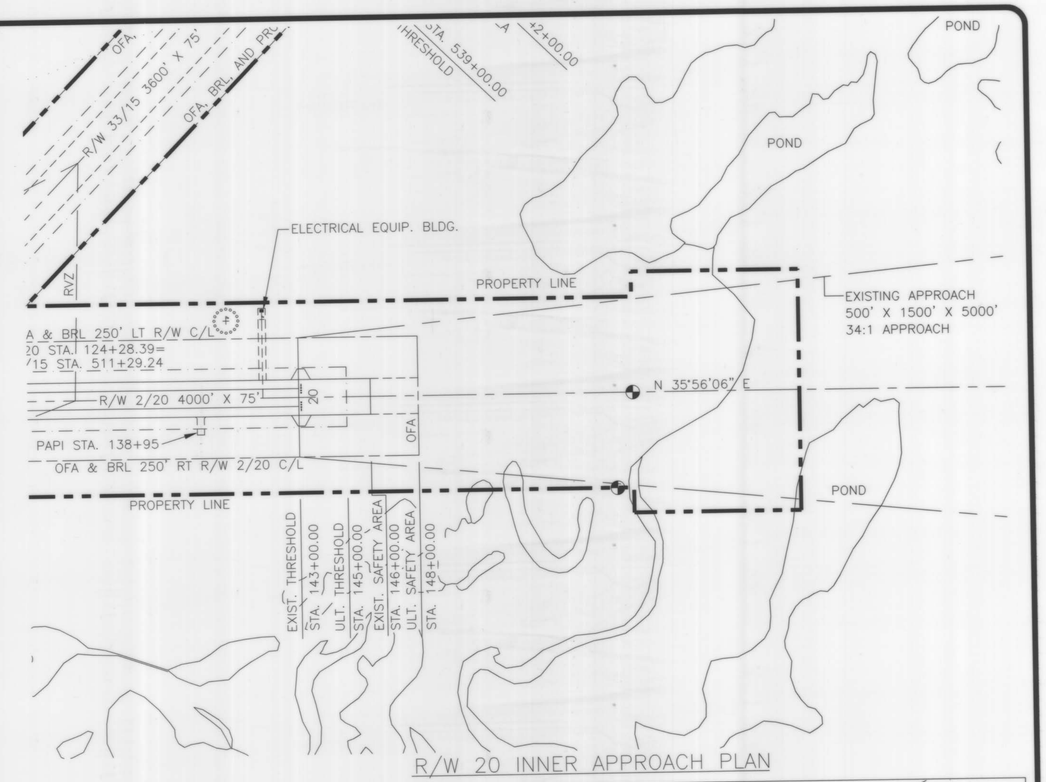
#	STRUCTURE NAME	TOP ELEV.	APPROACH SURFACE PENETRATION	PROPOSED DISPOSITION OF OBSTRUCTION
	NO OBSTRUCTIONS			

OBSTRUCTION TABLE: R/W 20 APPROACH

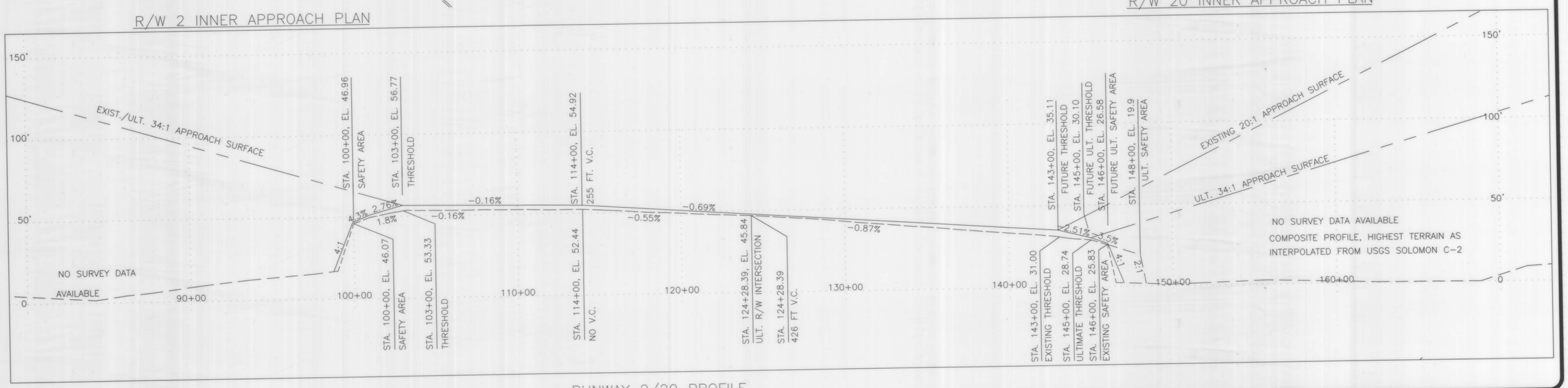
#	STRUCTURE NAME	TOP ELEV.	APPROACH SURFACE PENETRATION	PROPOSED DISPOSITION OF OBSTRUCTION
	NO OBSTRUCTIONS			



R/W 2 INNER APPROACH PLAN



R/W 20 INNER APPROACH PLAN



RUNWAY 2/20 PROFILE

DESIGN BTD
DRAWN BTD
CHECKED RJS

BY	DATE	REVISIONS
	11/4/98	UPDATED PER PROJ. 65034, AIP 3-02-0106-03 AS-BUILTS & AC 150/5300-13, CHG 4&5

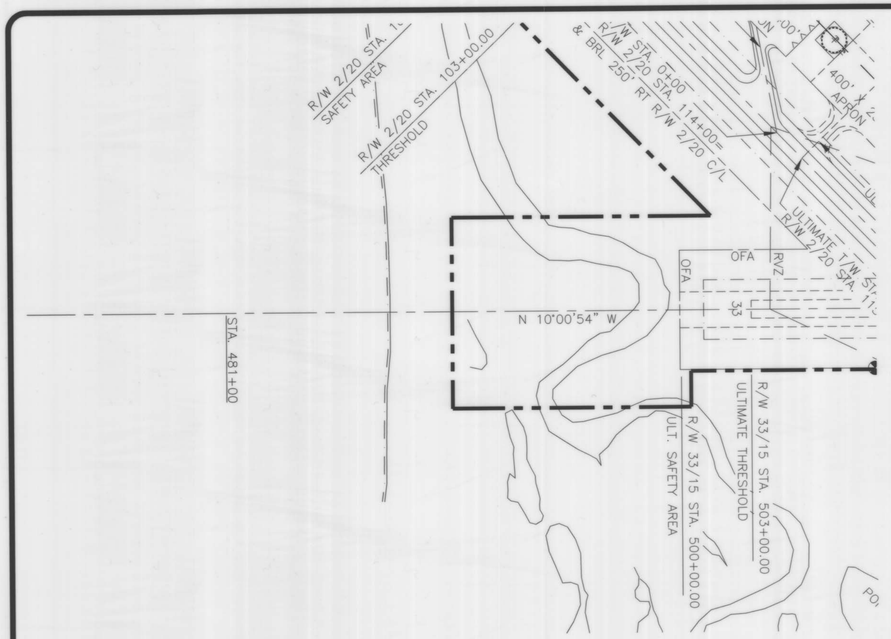
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION–DESIGN AND CONSTRUCTION–AVIATION

APPROVED [signature] DATE 5/11/2016
RYAN F. ANDERSON, P.E. DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAY APPROVED
BY LETTER DATED: 6-17-17
[signature]
AIRPORTS DIVISION
ALASKAN REGION, AAL-601
AIRSPACE REVIEW 05AAL-181NRA

GOLOVIN AIRPORT
R/W 2/20 INNER PORTION OF APPROACH SURFACES

SHEET 2 OF 4



R/W 33 INNER APPROACH PLAN

OBSTRUCTION TABLE: R/W 15 APPROACH

#	STRUCTURE NAME	TOP ELEV.	APPROACH SURFACE PENETRATION	PROPOSED DISPOSITION OF OBSTRUCTION
NO OBSTRUCTIONS				

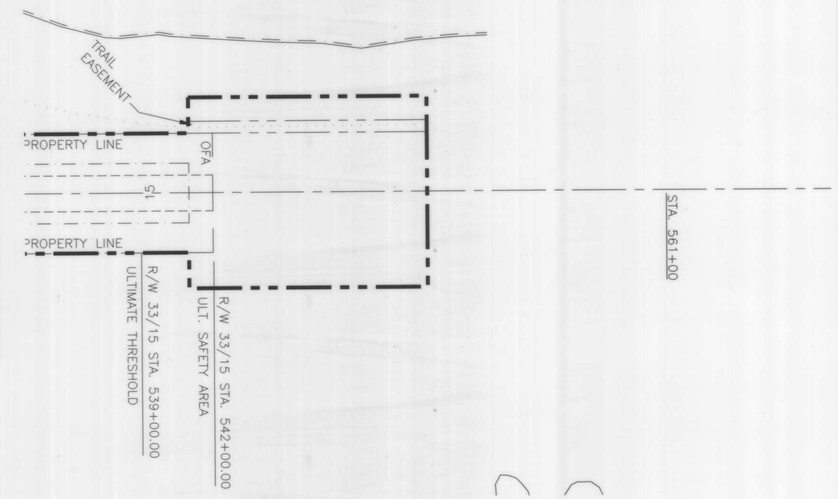
OBSTRUCTION TABLE: R/W 33 APPROACH

#	STRUCTURE NAME	TOP ELEV.	APPROACH SURFACE PENETRATION	PROPOSED DISPOSITION OF OBSTRUCTION
NO OBSTRUCTIONS				

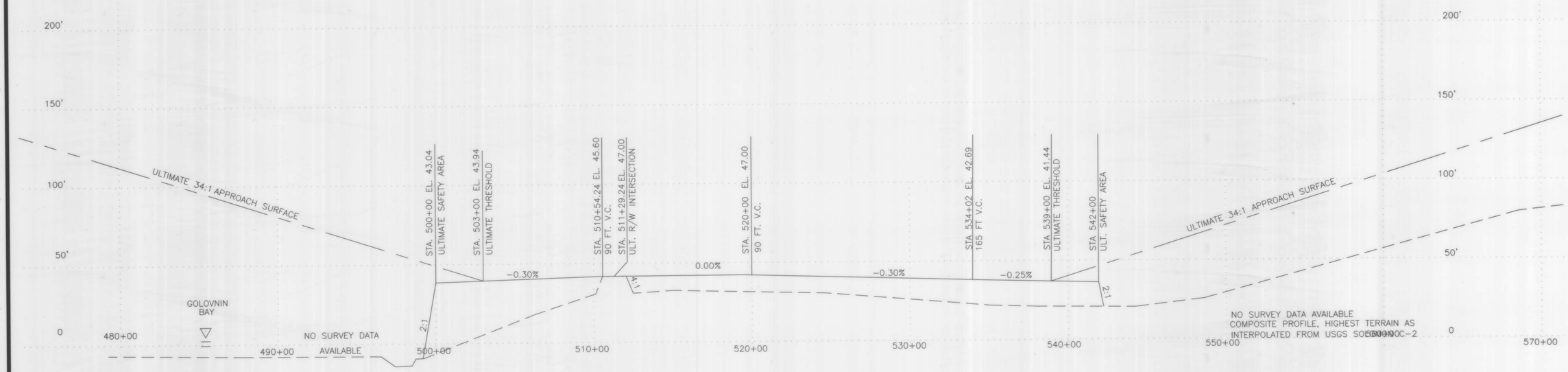
SCALE IN FEET
300 150 0 300 600

MAG. DEC. 13°52' E 2010

✳ RVZ = R/W VISIBILITY ZONE



R/W 15 INNER APPROACH PLAN



RUNWAY 33/15 PROFILE

DESIGN BTD
DRAWN BTD

	11/6/98	UPDATED PER PROJECT 65034,
		AIP 3-02-0106-03 AS-BUILTS
		& AC 150/5300-13, CHG 4&5

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION-DESIGN AND CONSTRUCTION-AVIATION

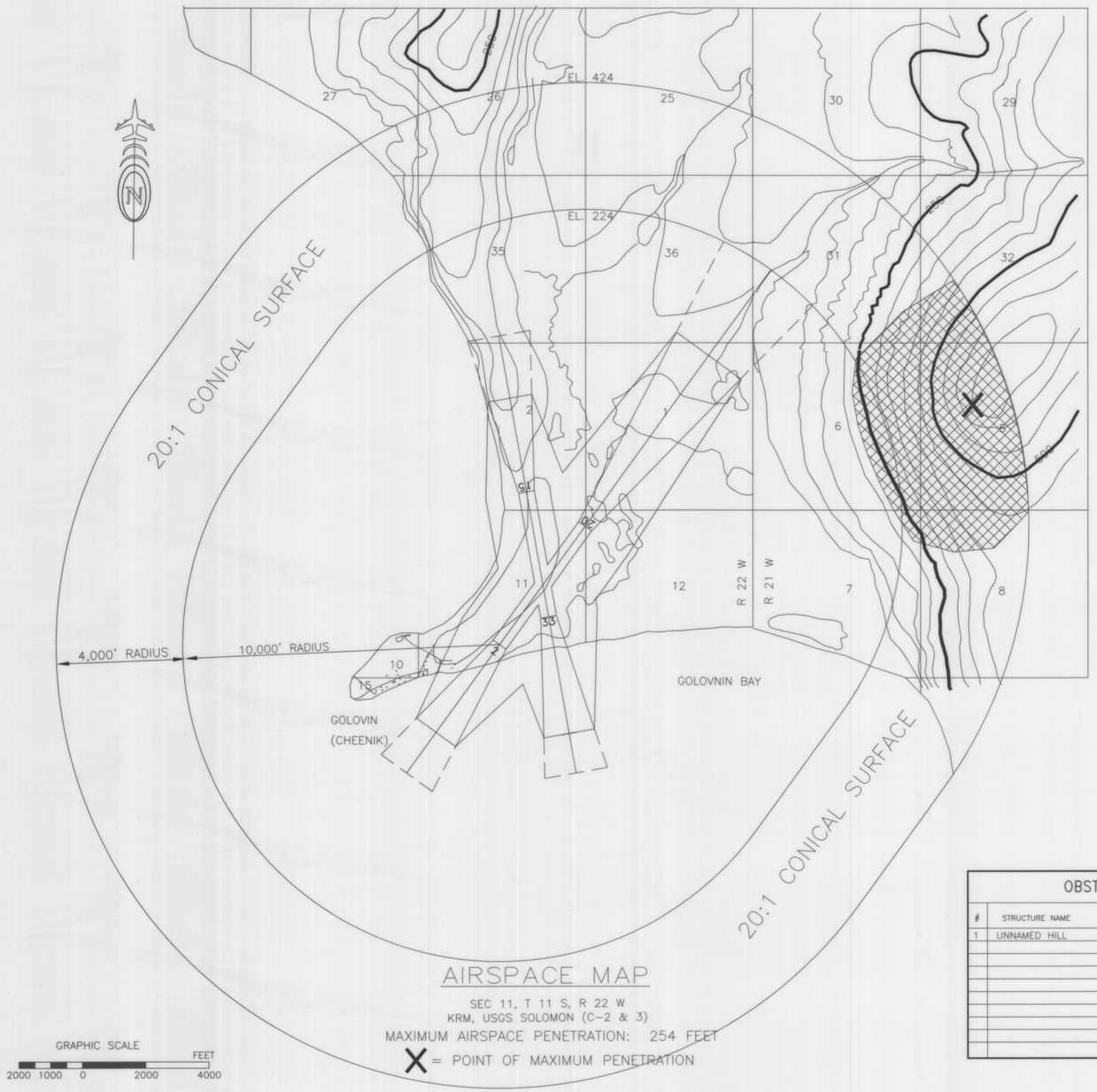
APPROVED _____ DATE 5/11/2010

AIRPORT LAYOUT PLAY APPROVED
BY LETTER DATED: 6/17/10

AIRPORTS DIVISION
ALASKAN REGION, AAL-601

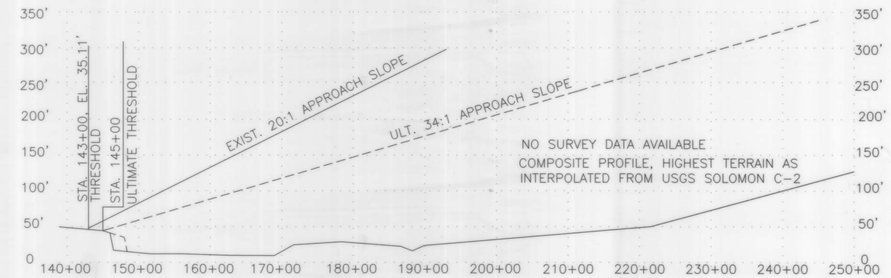
GOLOVIN AIRPORT
R/W 15/33 INNER PORTION OF APPROACH SURFACES

SHEET 3 OF 4

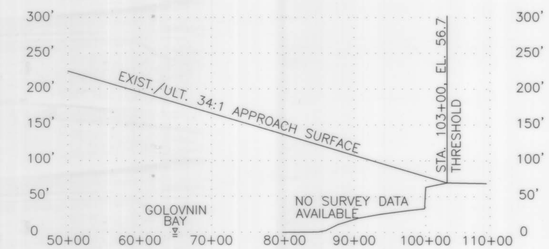


AIRSPACE MAP

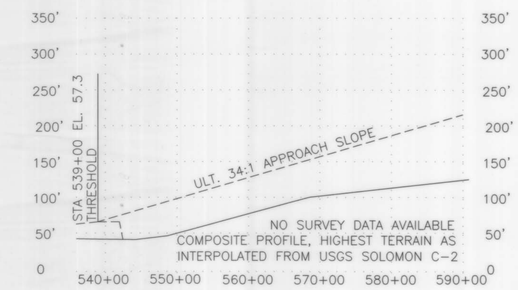
SEC 11, T 11 S, R 22 W
KRM, USGS SOLOMON (C-2 & 3)
MAXIMUM AIRSPACE PENETRATION: 254 FEET
X = POINT OF MAXIMUM PENETRATION



RUNWAY 20 APPROACH PROFILE



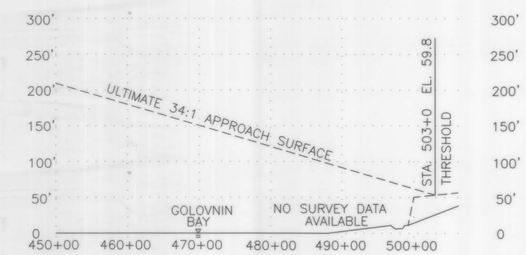
RUNWAY 2 APPROACH PROFILE



RUNWAY 15 APPROACH PROFILE

OBSTRUCTION TABLE: R/W 33 APPROACH

#	STRUCTURE NAME	TOP ELEV.	FAR PART 77 SURFACE PENETRATION	PROPOSED DISPOSITION OF OBSTRUCTION
1	UNNAMED HILL	650'	270'	NONE



RUNWAY 33 APPROACH PROFILE

DESIGN BTD
DRAWN BTD

	11/6/98	UPDATED PER PROJ. 65034,
		AIP 3-02-0106-03 AS-BUILTS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION-DESIGN AND CONSTRUCTION-AVIATION
APPROVED

AIRPORT LAYOUT PLAN APPROVED
BY LETTER DATED: 6-17-10
AIRPORTS DIVISION

GOLOVIN AIRPORT

AIRSPACE

SHEET 4 OF