U.S. Department
of Transportation

**Federal Aviation
Administration**

Alaskan Region

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

April 24, 2014

Ken Green
North Slope Borough Project Administrator
3000 C Street, Suite 104
Anchorage AK 99503

Dear Mr. Green:

Atqasuk Airport
Atqasuk, Alaska
As-Built Airport Layout Plan
97-AAL-037-NRA

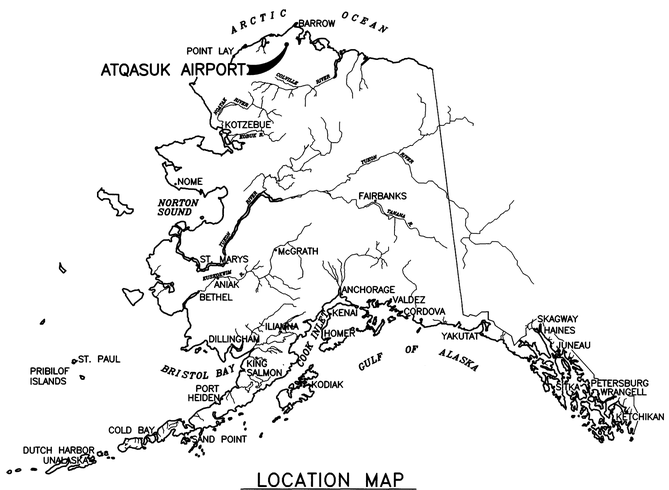
We have completed our review of the Point Lay Airport As-Built Airport Layout Plan (ALP), and find it acceptable for documenting the existing conditions of the airport. We look forward to working with you on identifying and addressing future needs at the airport.

Please attach this letter to the enclosed ALP and retain it in your files for future use.

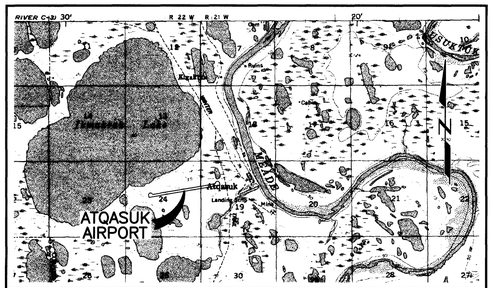
Sincerely,

Pat Oien, P.E., Airport Planner
Airports Division

Enclosure: Atqasuk Airport ALP



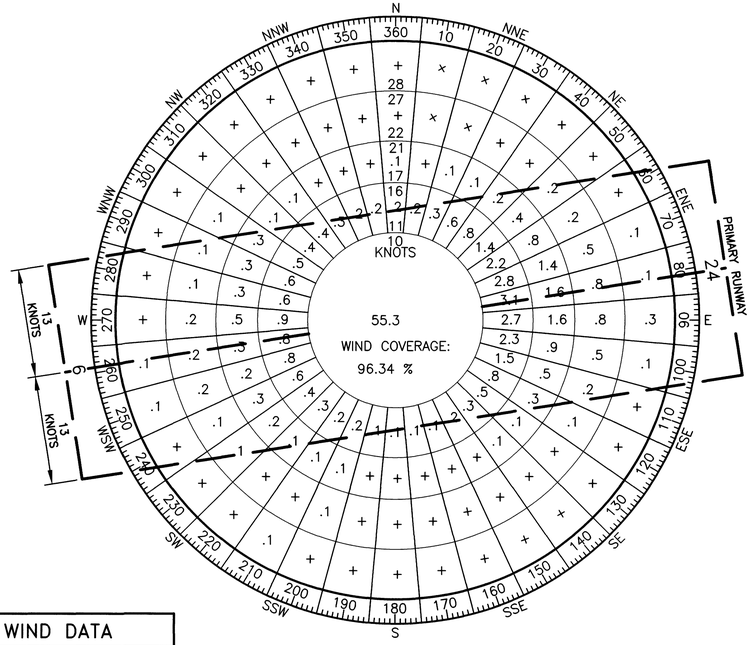
LOCATION MAP



ATQASUK, ALASKA
USGS MEADE RIVER
(B-3) QUAD. SEC 19,
T13N, R21W, UMIAT MERIDIAN

VICINITY MAP

SCALE: 1" = 1 MILE



WIND ROSE

WIND DATA		
RUNWAY	10.5 kt	13 kt
6–24	92.72%	96.34%

SOURCE: NATIONAL WEATHER SERVICE/MESOWEST PATQ STATION

PERIOD: 6/21/07 THROUGH 11/20/13

SHEET INDEX

SHEET NO.	TITLE
1	AIRPORT DATA
2	AIRPORT LAYOUT PLAN
3	INNER PORTION OF APPROACH SURFACE
4	AIRPORT AIRSPACE (PART 77)
5	AIRSPACE COMPOSITE PROFILE
6	AIRPORT PROPERTY MAP

NOTES

1. THIS ALP DRAWING SET IS UPDATED BASED ON AN AIRPORT OBSTRUCTION CHART SURVEY (AOC) COMPLETED BY USKH INC. IN JUNE 2011 IN ACCORDANCE WITH FAA AC 150/5300-18B. THIS ALP WAS UPDATED IN ACCORDANCE WITH FAA AC 150/5300-13A AND 150/5070-6B.
2. VERTICAL DATUM USED ON ALL SHEETS IS NAVD 88 REFERENCING PACS "ATK A" UNLESS NOTED OTHERWISE.
3. HORIZONTAL DATUM IS NAD83(2007). DRAWING COORDINATES ARE ALASKA STATE PLANE ZONE 6 U.S. SURVEY FEET, UNLESS OTHERWISE NOTED.

LEGEND

ITEM	EXISTING	ULTIMATE
AIRPORT REFERENCE POINT (ARP)		
ANTENNA		
AWOS		
BUILDING		
BUILDING RESTRICTION LINE (BRL)	BRL	
CENTER LINE		
CONTOUR	100	
CULVERT		
FENCE	X	
LEASE LOT LINE		
LIGHT		
MALSF		
MONUMENT		
PAPI		
PIPE	S	
POND		
PROPERTY LINE		
REIL		
ROADWAY		
ROTATING BEACON		
SHORELINE		
SURVEY MONUMENT		
THRESHOLD LIGHTS		
TREE		
UTILITY LIGHT POLE		
VEGETATION / TREE LINE		
WIND CONE		
WIND CONE AND SEGMENTED CIRCLE		

AIRPORT DATA

ITEM	EXISTING	ULTIMATE
ICAO IDENTIFIER	PATQ	SAME
NATIONAL AIRPORT IDENTIFIER	ATK	SAME
FAA SITE NUMBER	50044.5*A	SAME
AIRPORT ELEVATION (NAVD88)	101.3'	SAME
AIRPORT REFERENCE CODE	BII	SAME
MEAN MAX. TEMPERATURE, HOTTEST MONTH	47°F / JULY	SAME
AIRPORT AND TERMINAL NAVIGATION AIDS	GPS, NDB, BEACON	SAME
OBSTRUCTION SURVEY SOURCE & TYPE	AOC (SEE NOTES)	SAME
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE (EPOCH YEAR – 2010)	17°58'E, 0°23'W / YEAR	SAME

TAXIWAY DATA

ITEM	EXISTING	ULTIMATE
TAXIWAY DESIGN GROUP	3	3
WIDTH	55'	SAME
LENGTH	555'	SAME
SHOULDER WIDTH	N/A	N/A
SEPARATION FROM PARALLEL RUNWAY	N/A	N/A
SAFETY AREA (TSA)	79'	SAME
OBJECT FREE AREA (TOFA)	89'	131'
TAXIWAY LIGHTING AND MARKING	MITL	MITL

RUNWAY 6/24 DATA

ITEM	EXISTING	ULTIMATE
FAR PART 77 APPROACH CATEGORY (UTILITY OR OTHER THAN UTILITY)	OTHER THAN UTILITY	OTHER THAN UTILITY
RUNWAY APPROACH TYPE (V, CIRCLING, NPA, PA)	NPA	SAME
RUNWAY DESIGN CODE	B-II-5000	SAME
APPROACH SURFACES	34:1	SAME
VISIBILITY MINIMUM (≥ 1 SM, >1 SM, >3/4 SM, >1/2 SM)	≥ 1 SM	SAME
RUNWAY SURFACE	GRAVEL	GRAVEL
PAVEMENT STRENGTH (SW,DW,DTW,DDTW x1000lbs)	N/A	N/A
TRUE MEAN BEARING	N 81°01'29.5" E	SAME
MAXIMUM ELEVATION ABOVE MSL	101.3'	SAME
EFFECTIVE GRADE	0.05	SAME
RUNWAY TOUCHDOWN ZONE ELEVATIONS (NAVD 88)	RW 6: 101.3'	SAME
	RW 24: 98.4'	SAME
RUNWAY DIMENSIONS	90' x 4370'	SAME
RUNWAY SAFETY AREA (RSA) DIMENSIONS	150' x 4970'	300' x 4970'
RSA LENGTH BEYOND RW END	300'	SAME
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	1000'x500'x 700'	SAME
RUNWAY OBJECT FREE AREA (ROFA) DIMENSIONS	500' x 4970'	SAME
ROFA LENGTH BEYOND RW END	300'	SAME
RUNWAY OBSTACLE FREE ZONE (ROFZ) DIMENSIONS	400' x 4770'	SAME
PRECISION OBJECT FREE ZONE (POFZ) DIMENSIONS	N/A	N/A
RUNWAY LIGHTING TYPE	MIRL	HIRL
RUNWAY MARKING TYPE	NONE	NONE
RUNWAY VISUAL APPROACH AIDS	PAPI, REIL	PAPI, REIL, MALSF
LANDING AIDS (ILS, GNAV, RNAV, RVR, SUPPLEMENTAL WIND CONE, ETC)	RNAV, NDB	SAME

GEOGRAPHIC COORDINATES (NAD 83) & ELEVATIONS (NAVD 88)

ITEM	EXISTING LATITUDE	EXISTING LONGITUDE	EXISTING ELEVATION	ULTIMATE LATITUDE	ULTIMATE LONGITUDE	ULTIMATE ELEVATION
AIRPORT REFERENCE POINT	70°28'01.60"	157°26'08.39"	101.2'	SAME	SAME	SAME
THRESHOLD RW 6	70°27'58.25"	157°27'11.82"	100.7'	SAME	SAME	SAME
THRESHOLD RW 24	70°28'04.96"	157°25'04.95"	98.9'	SAME	SAME	SAME

PACS & SACS

PID	DESIGNATION	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	NORTHING	EASTING	ELEVATION	DESCRIPTION
DM5289	ATK A	N 70°27'59.22402"	W 157°25'56.94972"	79.721	6020393.677	1709917.609	89.83	PACS
DM5290	ATK B	N 70°27'55.16920"	W 157°27'11.07380"	81.975	6019958.341	1707399.809	92.09	SACS
DM5291	ATK C	N 70°28'01.89667"	W 157°24'57.82714"	72.402	6020684.431	1711926.191	82.55	SACS

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DESIGN JGL
DRAWN MRM
CHECKED EK

BY	DATE	REVISIONS

NORTH SLOPE BOROUGH

APPROVED BY: Ken Carr DATE 4/24/14

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED 4/24/2014
FAA AIRSPACE REVIEW NUMBER: 97-AAL-037-NRA

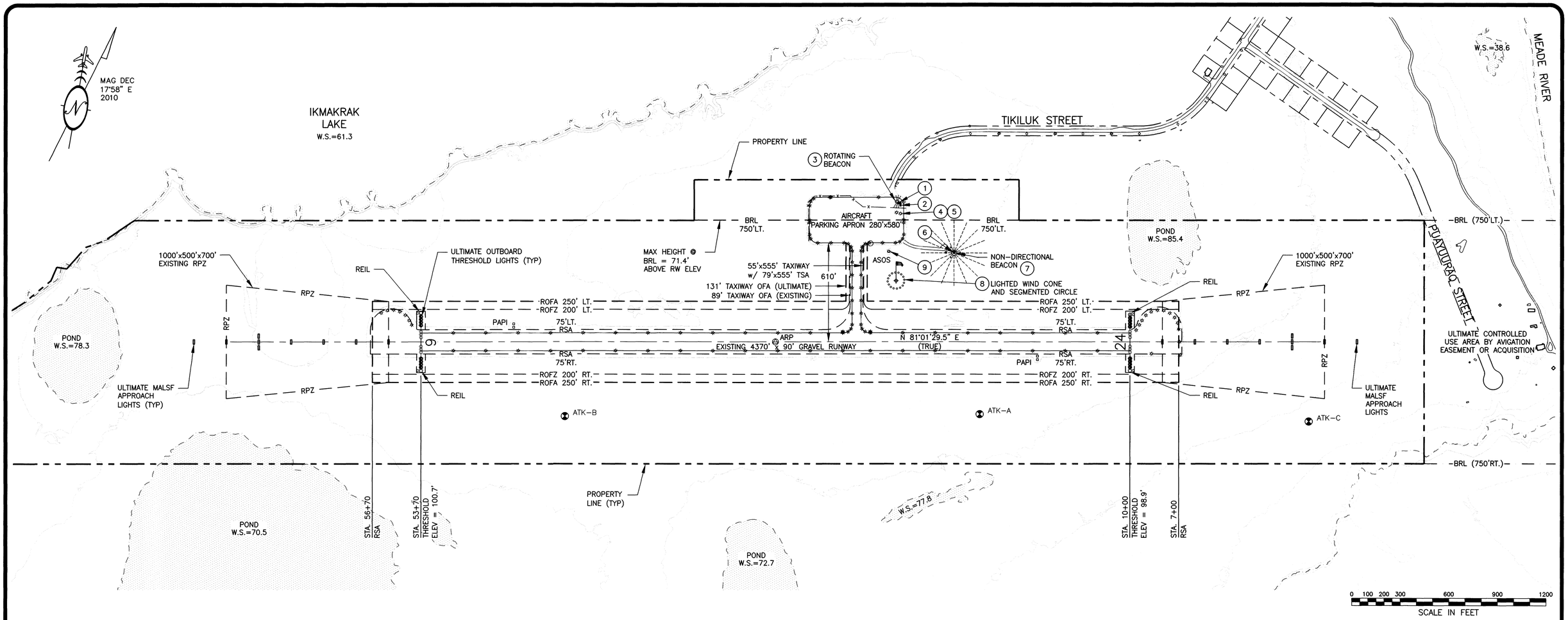
DATE: 4/24/14
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-

ATQASUK AIRPORT - ATK
AIRPORT LAYOUT PLAN

AIRPORT DATA

ATQASUK, ALASKA NORTH SLOPE BOROUGH

SHEET 1 OF 6



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NOTES:

1. STRUCTURE NUMBERS SHOWN ON THIS SHEET CORRELATE WITH STRUCTURE NUMBERS ON ALL SHEETS.
2. THE ASOS WAS NOT SURVEYED AS PART OF THE AOC SURVEY. THE LOCATION AND TOP ELEVATION SHOWN IS CARRIED OVER FROM THE 1997 ALP AND ADJUSTED FOR DATUM SHIFT.
3. THE ULTIMATE RUNWAY AND TAXIWAY ARE NOT SHOWN FOR CLARITY. REFER TO SHEET 1 RUNWAY 6/24 DATA FOR ULTIMATE DIMENSIONS.
4. NO OFZ OBJECT PENETRATIONS.

BUILDING DATA

ID #	DESCRIPTION	STATION/ OFFSET	TOP ELEV (NAVD 88)	OBSTRUCTION MARKING		REMARKS
				EXIST	FUTURE	
1	BUILDING. NO ANTENNA.	24+19 / 889' RT.	114.4'	NO	NO CHANGE	NO AIRSPACE PENETRATION
2	BUILDING W/ 2 ANTENNA.	24+14 / 872' RT.	138.1'	NO		NO AIRSPACE PENETRATION
3	ROTATING BEACON	24+35 / 862' RT.	143.3'	NO		NO AIRSPACE PENETRATION
4	BUILDING. NO ANTENNA.	24+21 / 854' RT.	117.4'	NO		NO AIRSPACE PENETRATION
5	BUILDING W/ANTENNA	24+10 / 836' RT.	121.0'	NO		NO AIRSPACE PENETRATION
6	NDB TRANSMITTER TOWER	21+35 / 550' RT.	107.0'	YES		AIRSPACE PENETRATION
7	NON-DIRECTIONAL BEACON	20+85 / 551' RT.	140.4'	YES		NO AIRSPACE PENETRATION
8	WIND CONE AND SEGMENTED CIRCLE	24+42 / 376' RT.	117.9'	YES		NO AIRSPACE PENETRATION
9	ASOS ENCLOSURE	SEE NOTE 2	120.3'	YES		SEE NOTE 2

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NORTH SLOPE BOROUGH

APPROVED BY: Ken Lu DATE 4/24/14

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FAA AIRSPACE REVIEW NUMBER: 97-AAL-037-NRA

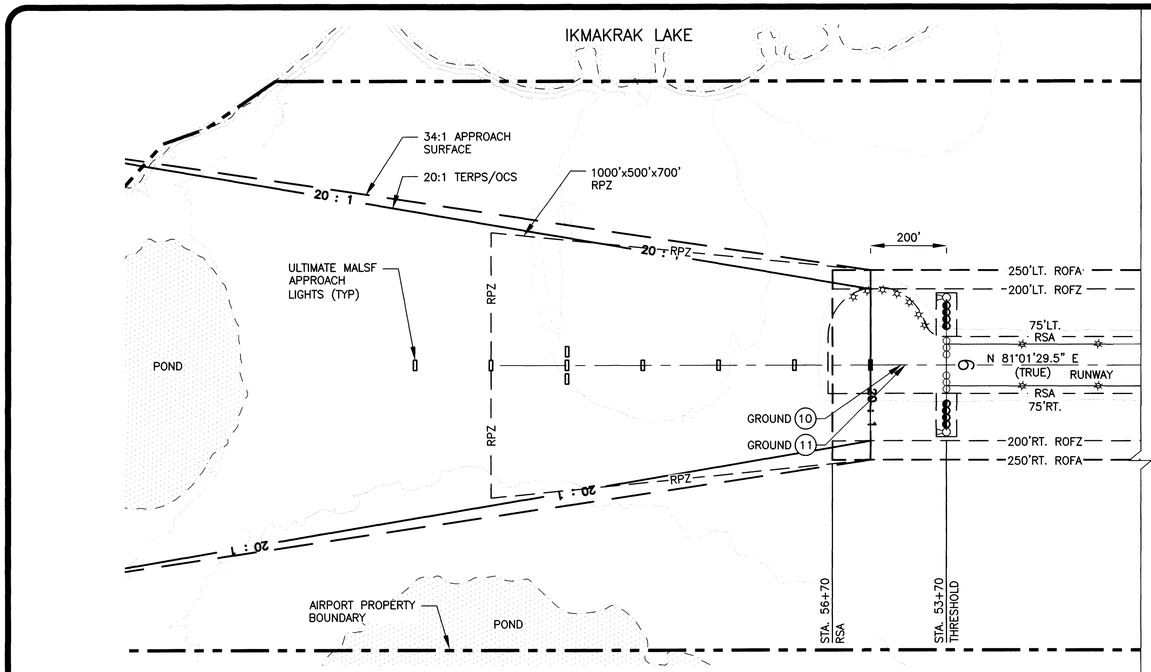
DATE: 4/24/14
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-612

ATQASUK AIRPORT - ATK
AIRPORT LAYOUT PLAN

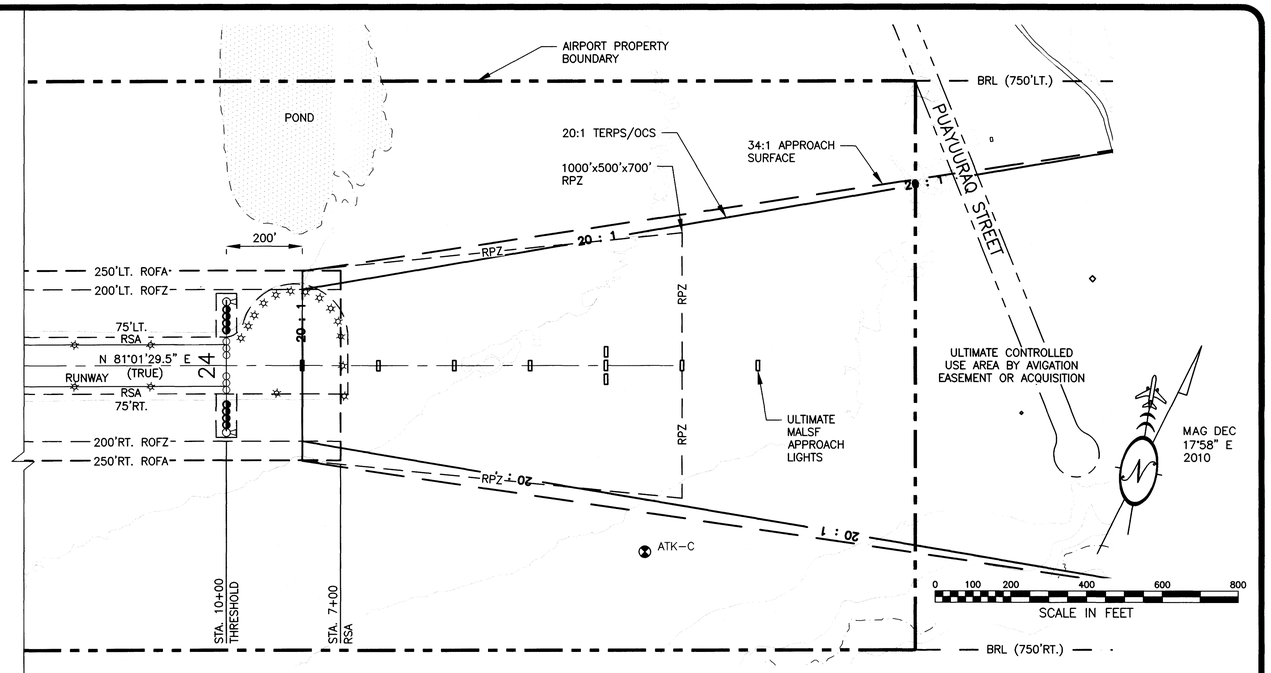
AIRPORT LAYOUT PLAN

ATQASUK, ALASKA NORTH SLOPE BOROUGH

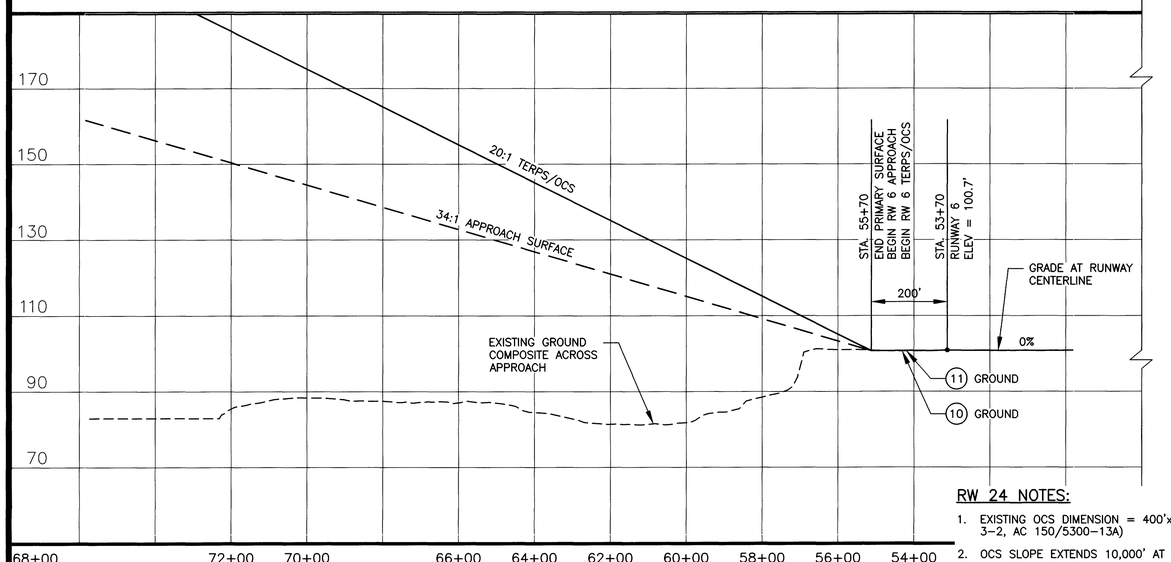
SHEET 2 OF 6

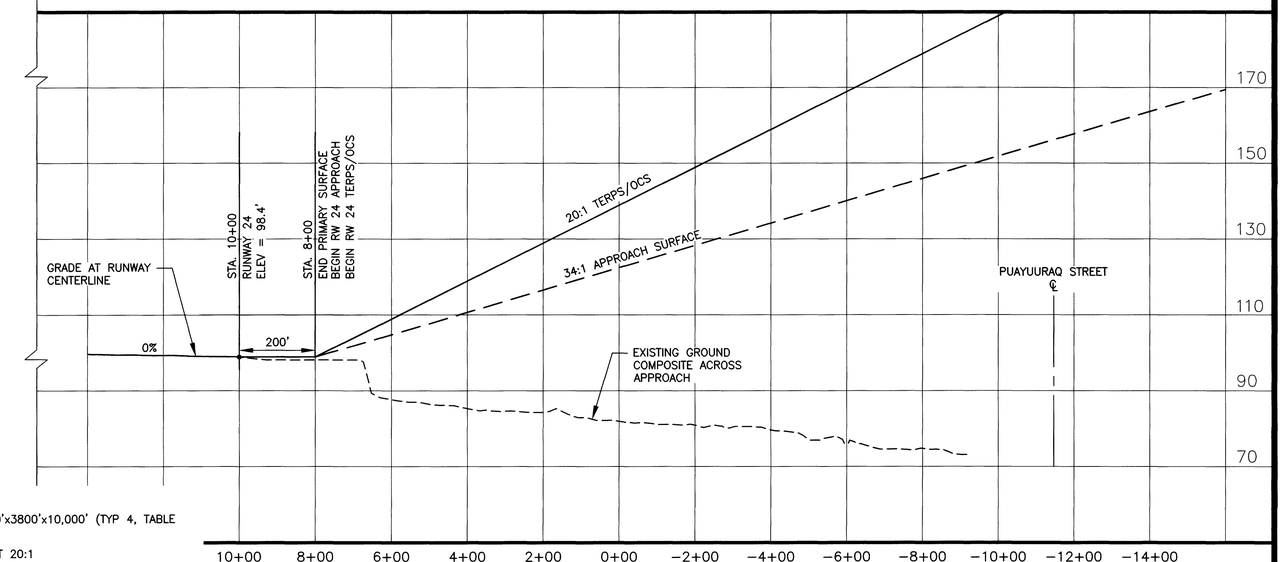


RUNWAY 6 INNER APPROACH PLAN



RUNWAY 24 INNER APPROACH PLAN





RW 24 NOTES:

1. EXISTING OCS DIMENSION = 400'x3800'x10,000' (TYP 4, TABLE 3-2, AC 150/5300-13A)
2. OCS SLOPE EXTENDS 10,000' AT 20:1
3. PART 77 APPROACH SURFACE DIMENTIONS 500'x3500'x10,000'
4. PART 77 APPROACH SURFACE EXTENDS 10,000' TO 34:1
5. R/W 5 HAS NO OBSTACLE FREE ZONE OR THRESHOLD SITING SURFACE PENETRATIONS.
6. R/W 23 HAS NO OBSTACLE FEE ZONE OR THRESHOLD SITING SURFACE PENETRATIONS.

34:1 APPROACH SURFACE OBSTRUCTIONS (INNER PORTION RW 6)

ID #	DESCRIPTION	STATION/ OFFSET	ELEV.	SURFACE ELEV.	AMOUNT OF PENETRATION	PROPOSED DISPOSITION	STAGE TO CORRECT
10	GROUND	55+69/0' TO 55+80/0'	101.0'	100.7'	0.4'	TO REMAIN	N/A
11	GROUND	55+70/0' TO 55+80/0'	101.0'	≥ 100.7'	≤ 0.4'	TO REMAIN	N/A

34:1 APPROACH SURFACE OBSTRUCTIONS (INNER PORTION RW 24)

ID #	DESCRIPTION	STATION/ OFFSET	ELEV.	SURFACE ELEV.	AMOUNT OF PENETRATION	PROPOSED DISPOSITION	STAGE TO CORRECT
	NONE						

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BY	DATE	REVISIONS

NORTH SLOPE BOROUGH

APPROVED BY: [signature] DATE 4/24/14

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED 4/24/14
FAA AIRSPACE REVIEW NUMBER: 97-AAL-037-NRA
[signature] DATE: 4/24/14
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-612

ATQASUK AIRPORT - ATK
AIRPORT LAYOUT PLAN
INNER PORTION OF APPROACH SURFACE
ATQASUK, ALASKA NORTH SLOPE BOROUGH

SHEET 3 OF 6

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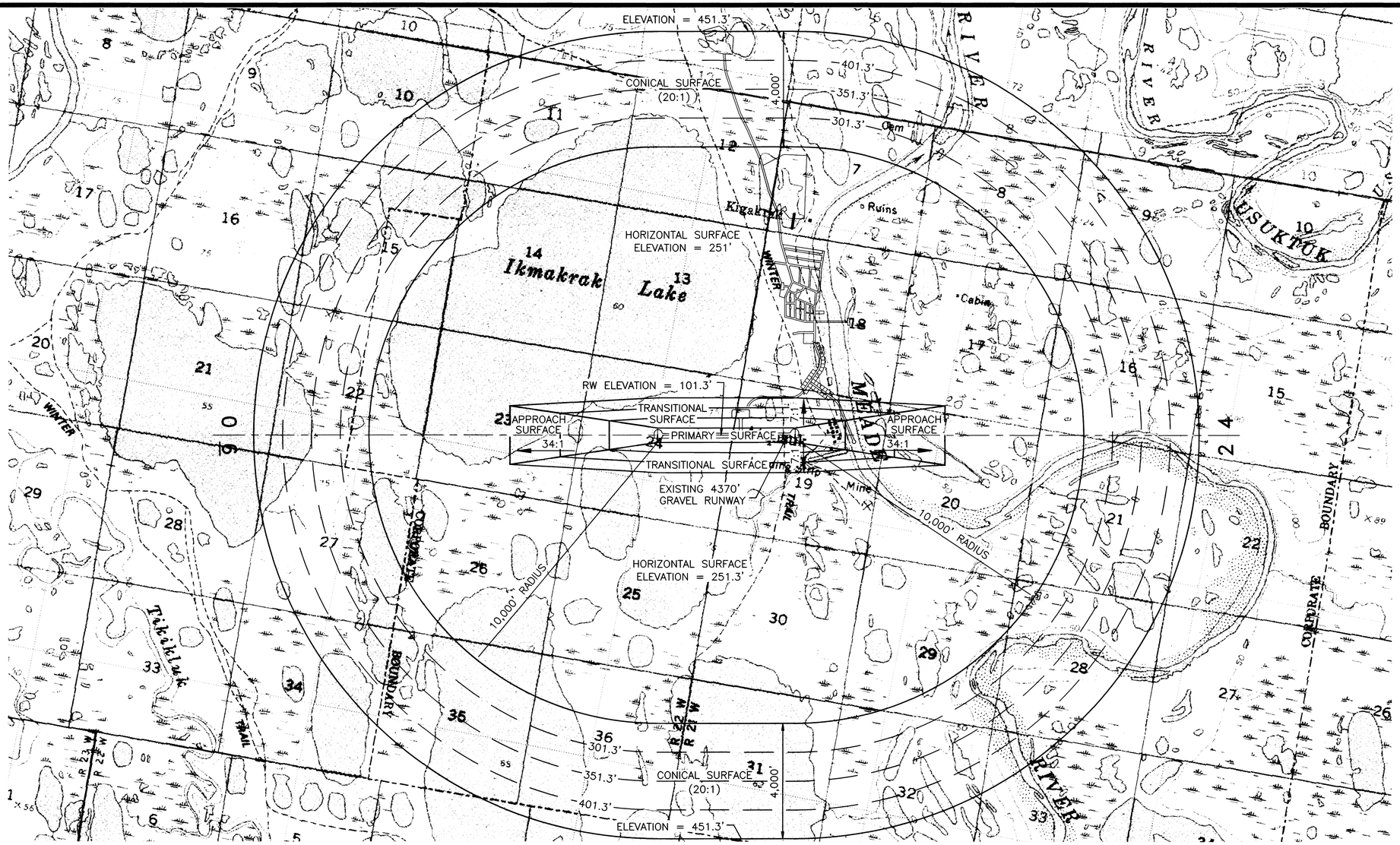

AIRSPACE PLAN

NOTES:

1. REFER TO THE INNER PORTION OF APPROACH SURFACE FOR CLOSE IN OBSTRUCTIONS.
2. PRIMARY SURFACE WIDTH IS 500'.
3. THERE ARE NO KNOWN HEIGHT RESTRICTIONS.
4. REFER TO THE "AIRPORT LAYOUT PLAN" FOR BUILDING TABLE AND LOCATION OF OBSTRUCTIONS.
5. USGS QUAD MEADE RIVER (B-3)

PART 77 OBSTRUCTION DATA

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT OF PENETRATION	PROPOSED DISPOSITION
6	NDB TRANSMITTER TOWER	21+35/550' RT.	107.0'	TRANSITIONAL	141.3'	34.3'	TO REMAIN
10	GROUND	54+81/0' TO 55+70/0'	101.1'	PRIMARY	100.7'	0.4'	TO REMAIN
11	GROUND	55+70/0' TO 55+80/0'	101.0'	APPROACH	≥ 100.7'	≤ 0.4'	TO REMAIN

MAG DEC 17°58" E 2010

0 500 1000 1500 2000
SCALE IN FEET

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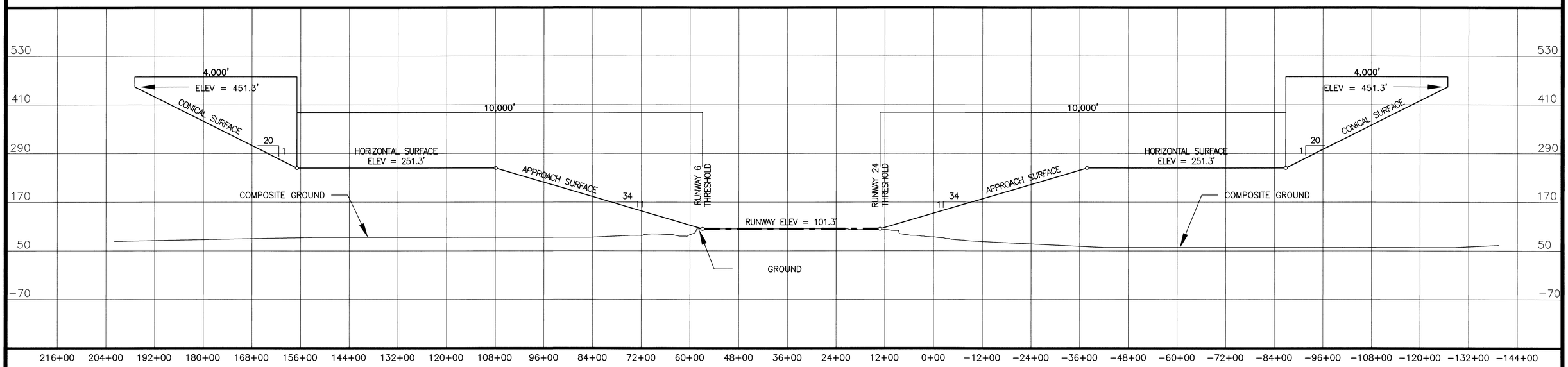
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-612

ATQASUK AIRPORT - ATK
AIRPORT LAYOUT PLAN
AIRPORT AIRSPACE (PART 77)
ATQASUK, ALASKA NORTH SLOPE BOROUGH

SHEET 4 OF 6



AIRSPACE COMPOSITE PROFILE

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DATE: 4/24/14

FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-611

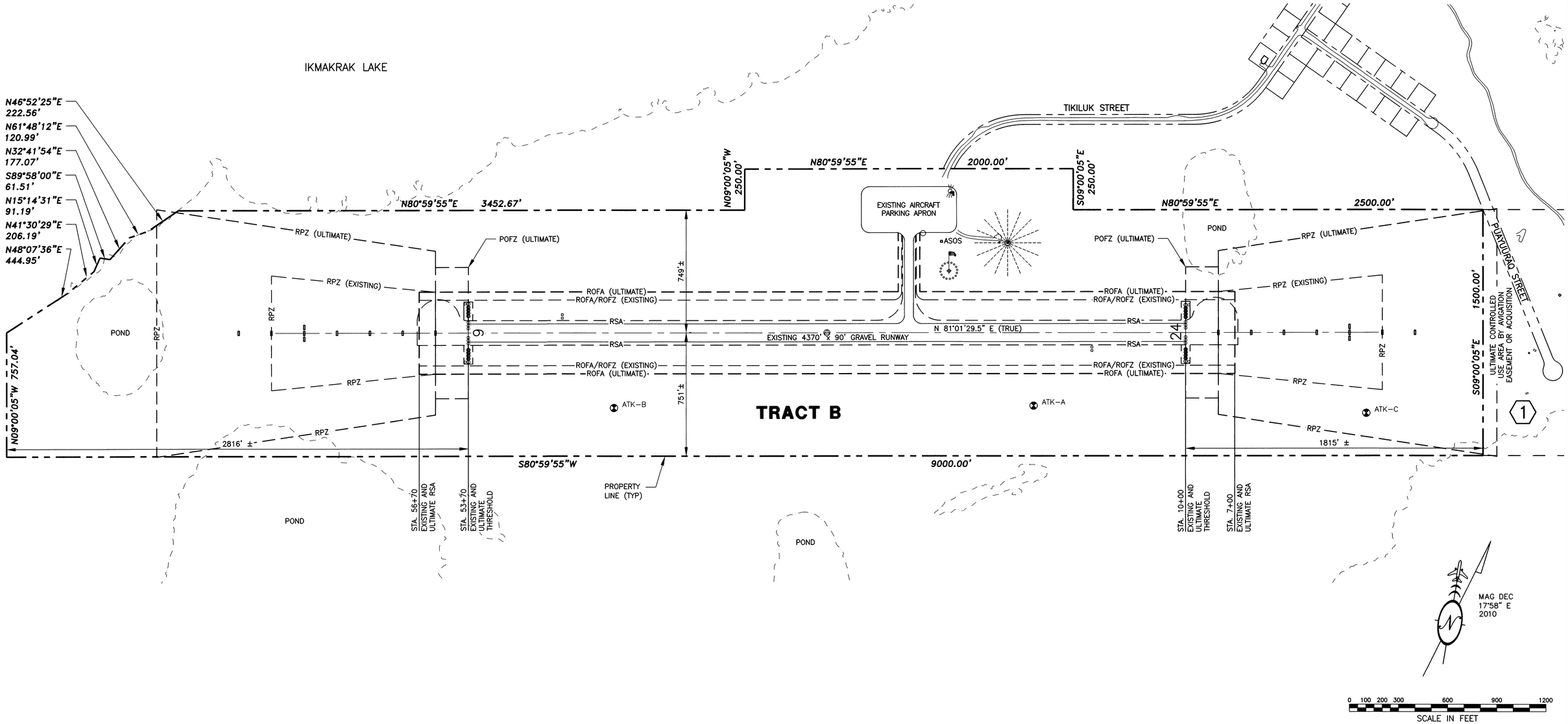
ATQASUK AIRPORT - ATK

AIRPORT LAYOUT PLAN

AIRSPACE COMPOSITE PROFILE

ATQASUK, ALASKA NORTH SLOPE BOROUGH

SHEET 5 OF 6



NOTE:

RUNWAY CENTERLINE BEARING SHOWN IS THE GEODETIC BEARING. ALL OTHER BEARINGS SHOWN ARE PER PLAT 84-11.

PROPERTY DATA				
PARCEL	PLAT NO.	INTEREST	DATE ACQUIRED	ACRES
TRACT B	84-11	QUITCLAIM DEED FROM ATQASUK VILLAGE CORPORATION	7/5/84	312.464
1	N/A	ULTIMATE ACQUISITION OR AVIGATION EASEMENT	N/A	N/A

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ATQASUK AIRPORT - ATK
AIRPORT LAYOUT PLAN
AIRPORT PROPERTY MAP
ATQASUK, ALASKA NORTH SLOPE BOROUGH

SHEET 6 OF 6

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