

Airport Field Maintenance Storage Yard Expansion

Project CFAPT00131

Environmental Assessment

Appendix B

Cultural Resources Correspondence

	page no
1. Consultation of Initiation letters January 5, 2017	1-26
2. Initiation responses.....	27-28
3. DOT&PF Findings letters October 4, 2016.....	30-39
4. SHPO concurrence letter October 28, 2016.....	40



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

Department of Transportation
and Public Facilities

DESIGN & ENGINEERING SERVICES
PRELIMINARY DESIGN & ENVIRONMENTAL

PO Box 196900
Anchorage, Alaska 99519-6900
Main: 907.269.0542
Toll Free: 800.770.5263
TDD: 907.269.0473

In Reply Refer To:
TSAIA Airport Field Maintenance Storage Yard Expansion
CFAPT00103 /AIP 3-02-0013-###-2016
Consultation Initiation
January 5, 2016

Ms. Judith Bittner
State Historic Preservation Officer
Alaska Office of History and Archaeology
550 W. 7th Avenue, Suite 1310
Anchorage, Alaska 99501-3565

Dear Ms. Bittner:

The Alaska Department of Transportation and Public Facilities (DOT&PF), in cooperation with the Alaska Division of the Federal Aviation Administration (FAA), is proposing to expand the existing Airport Field Maintenance (AFM) Storage Yard located on the south side of Lake Hood Drive and the west side of Helio Place at the Ted Stevens Anchorage International Airport (TSAIA). The AFM Storage Yard expansion would be utilized as a storage yard for TSAIA operations primarily to store supplemental and backup equipment, materials for ongoing operations, and as a temporary laydown area for construction projects and temporary materials stockpiling. The expansion would require approximately 9.1 acres ground disturbance, some of which would include wetlands, within the TSAIA property boundary. The proposed project site is located within Section 27, T. 13 N, R. 04 W, of the Seward Meridian; USGS Quad Map Anchorage A-8; Latitude 61° 11' 11.20" N, Longitude 149° 58' 50.83" W. See Figure 1 for a location and vicinity map and Figure 2 for illustration of the preliminary Area of Potential Effect (APE) as described below.

For purposes of the National Historic Preservation Act, we are initiating this consultation with you to assist us in determining the Area of Potential Effect (APE) and identifying historic properties that may be affected by the proposed project.

Project Description

The project would (see Figure 2):

- Construct a gravel pad 485 feet (ft.) long by 880 ft. wide with a usable surface of 9.11 acres.
- Construct vegetated drainage ditch slopes around three side of the proposed gravel pad
- Construct a new driveway to access the proposed pad from Helio Place
- Surface the proposed pad with hot mix asphalt

The proposed pad would be constructed to abut the existing gravel pad and would extend north to Lake Hood Drive and east to Helio Place.

Preliminary Area of Potential Effect

The proposed project preliminary APE is the boundary of the proposed 485 feet (ft) by 880 ft gravel pad with a 20-foot construction equipment work area around the entire perimeter and a construction staging area located on the adjacent existing AFM gravel pad (see enclosed Figure 2). Anticipated ground disturbing activity includes vegetation clearing and placing gravel fill. The preliminary APE is surrounded by existing roads and gravel and paved lots supporting airplanes, hangars, heavy equipment, and other storage facilities. No structures exist within the preliminary APE.

The rationale for defining the preliminary APE is all construction activities associated with the proposed project would occur within the preliminary APE as defined above. The contractor would be responsible for obtaining required fill material and all associated required permits and clearances.

Identification Efforts

In November and December 2016, Stephen R. Braund & Associates (SRB&A) conducted a cultural resources literature review and field survey to determine if any cultural resources were present within the proposed project preliminary APE. SRB&A reviewed sources of known site locations, previous surveys, indigenous place names, and conducted a pedestrian survey of the preliminary APE in order to determine if any cultural resources exist within the proposed project boundaries. Results from the cultural resources report are summarized below.

Literature Review

SRB&A reviewed AHRS records and supporting documents and did not identify any previously documented sites within the preliminary APE. However, Lake Hood Seaplane Base Historic District, which has been determined eligible for the National Register of Historic Places, is located adjacent to the APE (ANC-03003). Within this historic district are over 30 Alaska Heritage Resources Survey sites, one of which is individually eligible for the NRHP (ANC-03287) and 19 others that are contributing elements to the district. These historic properties exist outside of the preliminary APE.

Historic photos provided in Faith (2009) show that sometime between 1964 and 1975 a water line was constructed and bisected the APE running east-west. Two fire hydrants identified during SRB&A's pedestrian survey are located along the waterline and date to 1972. SRB&A reviewed aerial photographs that indicate Lake Hood Drive was constructed north of the preliminary APE sometime between 1996 and 2002 (Google Earth 2016).

SRB&A reviewed the Office of History and Archaeology files concerning previous surveys in the proposed project vicinity. The review found two vehicle surveys were conducted to assess Lake Hood Seaplane Base Historic District and associated structures for eligibility for NRHP.

SRB&A pedestrian field survey results

The preliminary APE consists mainly of wetlands and slightly elevated taiga forest. Tall grasses, alder, black spruce, and rosehip are the main wetlands species. The upland area has mossy ground cover, dense black spruce with intermittent birch, and alder. The pedestrian survey observed modern debris in the upland area. The preliminary APE had no topographic highlights or areas otherwise indicating a higher potential for archaeological resources warranting subsurface testing. Based on these observations, SRB&A determined the proposed project preliminary APE has low potential for containing prehistoric or historic era archaeological resources.

The pedestrian survey identified a cleared corridor for water line construction and two fire hydrants associated with the water line. The corridor is visible through a clearing in the trees and in the wetlands as a linear depression filled with water (frozen at time of survey). The survey identified a homeless person's camp with associated modern refuse, corrugated metal, a modern beer can, and barbed wire. SRB&A archaeologists did not observe any significant historic resources within the preliminary APE.

Consulting Parties

DOT&PF is initiating consultation with the following parties: SHPO, Municipality of Anchorage, Native Village of Eklutna, and Knik Tribal Council.

If you have questions or comments related to this proposed project, I can be reached at the address above, by telephone at 907-269-0534 or by e-mail at erik.hilsinger@alaska.gov.

Your timely response would greatly assist us in incorporating your concerns into project development. For that purpose, we respectfully request that you respond within thirty days of your receipt of this correspondence.

Sincerely,



Erik D. Hilsinger
Cultural Resources Specialist

Enclosures:

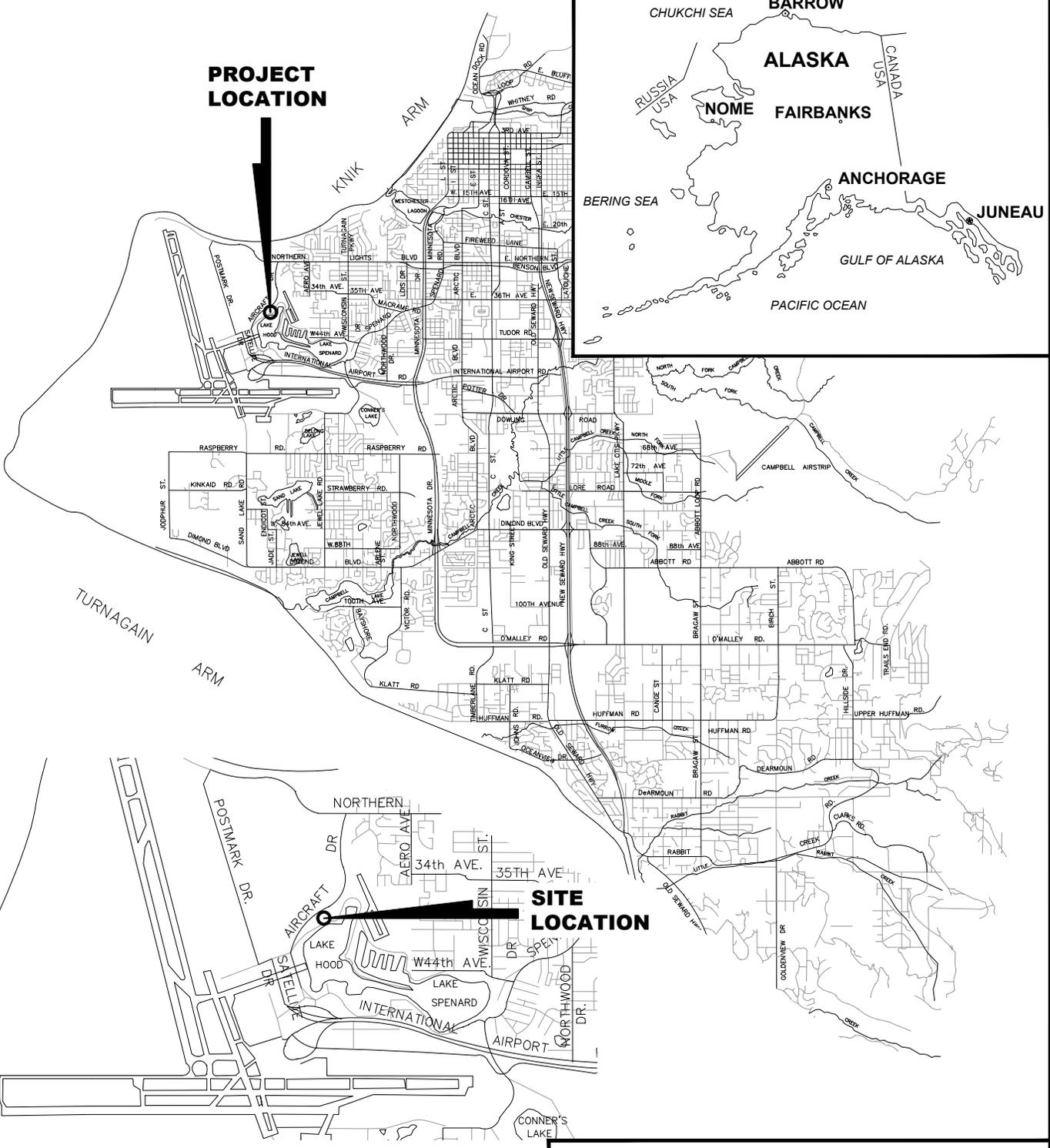
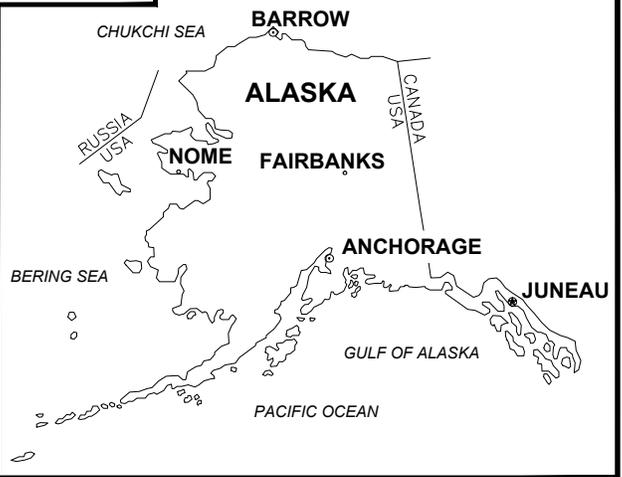
- Figure 1 – Location and vicinity map
- Figure 2 – Preliminary APE and project plan view
- Stephen R. Braund & Associates Cultural Resources Report (Maps Included)
- OHA coversheet

Electronic cc w/ enclosures:

- Jennifer Carle, P.E., TSAIA Project Manager
- Keith Gordon, FAA Environmental Protection Specialist
- Brian Elliott, DOT&PF Central Region Environmental Manager
- Kathy Price, Cultural Resources Manager, DOT&PF Statewide Environmental Office

LOCATION & VICINITY MAP

**PROJECT
LOCATION**

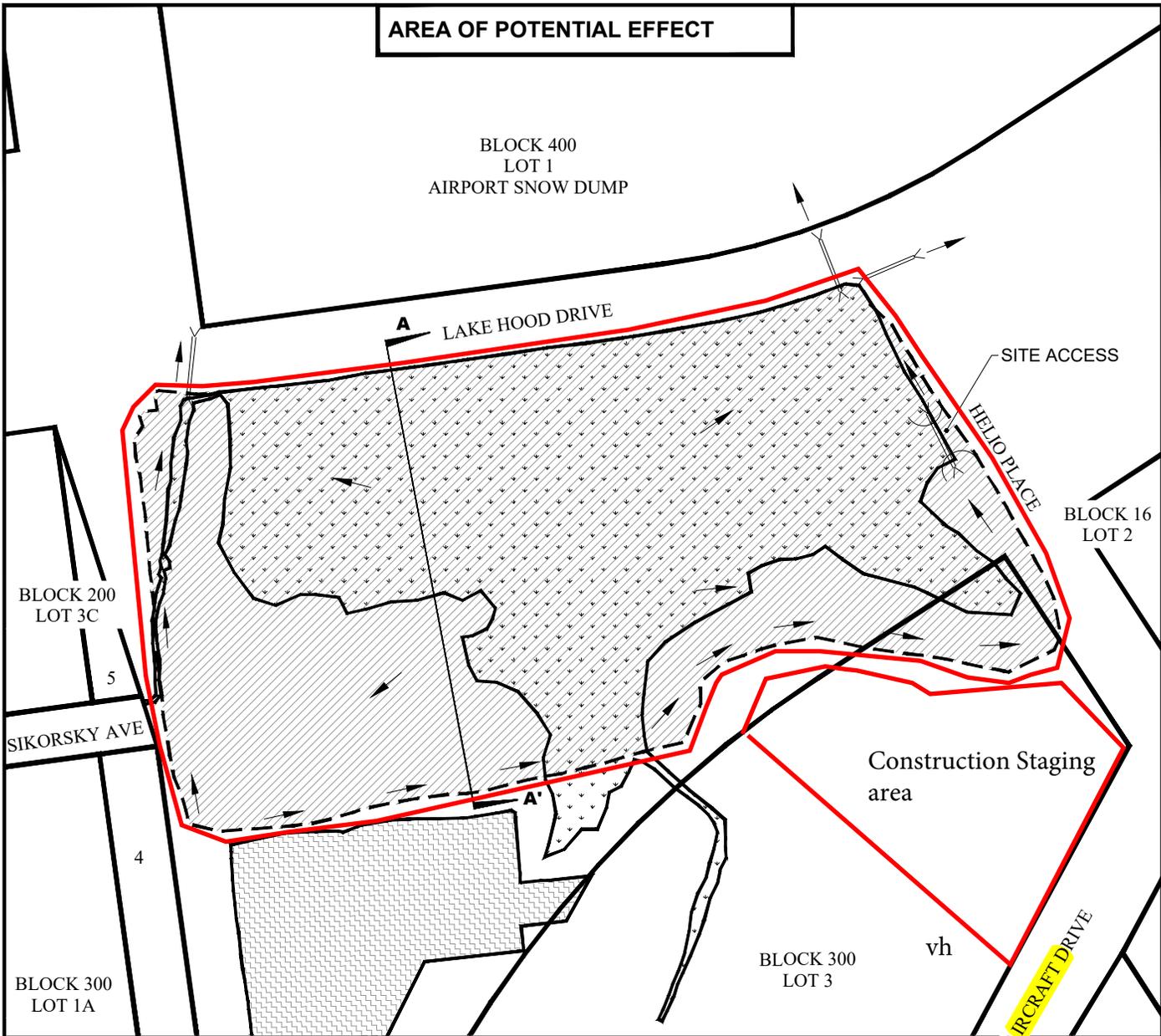


**SITE
LOCATION**

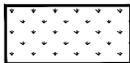


**TSAIA AFM STORAGE YARD EXPANSION
LOCATION AND VICINITY MAP**
 LOCATION: SEC. 27, T. 13 N, R. 04W, M. SEWARD
 LAT: N61°11'11.20" LONG: W-149°58'50.83"
 FIGURE 1 OF 2 DATE: 12-29-2016

AREA OF POTENTIAL EFFECT



LEGEND

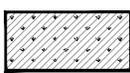


WETLAND AREA

Preliminary APE



PROPOSED TOTAL FILL AREA (9.1 ACRES)



PROPOSED WETLAND FILL AREA (7.38 ACRES)



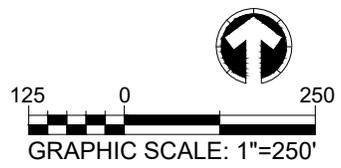
24 INCH CMP CULVERTS



DRAINAGE DIRECTION



LOT LINES



TSAIA AFM STORAGE YARD EXPANSION
PRELIMINARY AREA OF POTENTIAL EFFECT
 LOCATION: SEC. 27, T. 13 N, R. 04W, M. SEWARD
 LAT: N61°11'11.20" LONG: W-149°58'50.83"
 FIGURE 2 OF 2 DATE: 12-29-2016

Cultural Resources Report
Literature Review and Field Survey
ANC AFM Storage Yard Expansion

Prepared for:

Restoration Science & Engineering, LLC
911 West 8th Avenue Suite 100
Anchorage, Alaska 99501

and

Alaska Department of Transportation and Public Facilities
4111 Aviation Avenue
Anchorage, Alaska 99519

December 19, 2016

Prepared by:

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P.O. Box 101480
Anchorage, Alaska
907-276-8222
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ABSTRACT

The Alaska Department of Transportation and Public Facilities is proposing an approximately 16-acre expansion to an existing field storage yard located near Lake Hood at the Ted Stevens Anchorage International Airport in Anchorage, Alaska. The proposed expansion will consist of filling the area with gravel to support airport maintenance and operations for long and short term storage of goods and materials. Due to the placement of fill in waterways, a United States Army Corps of Engineers permit must be obtained, and therefore the project is subject to Section 106 of the National Historic Preservation Act. Stephen R. Braund & Associates (SRB&A) was contracted by Restoration, Science, and Engineering, LLC to conduct a cultural resources review and pedestrian survey of the area of potential effect. SRB&A's literature review and pedestrian survey of the area of potential effect (APE) did not identify any historic properties located within the APE.

TABLE OF CONTENTS

Abstract	ii
Table of Contents	iii
List of Figures	iii
List of Tables.....	iii
List of Photographs	iii
List of Acronyms and Abbreviations	iv
Introduction	1
Project Description and Area of Potential Effects	1
Methods.....	1
Literature Review	1
Cultural Resources Survey	4
Results.....	4
Literature Review	4
Cultural Resources Survey	6
Summary	11
References.....	12

LIST OF FIGURES

Figure 1: Proposed ANC AFN Storage Yard Expansion Project.....	2
Figure 2: Aerial Photo of the Proposed ANC AFN Storage Yard Expansion Project	3
Figure 3: SRB&A Survey Tracks within the Proposed ANC AFN Storage Yard Expansion Project APE.....	5
Figure 4: Aerial Photo and Indigenous Placenames in the Vicinity of the Proposed ANC AFN Storage Yard Expansion Project.....	7

LIST OF TABLES

Table 1: Indigenous Placenames	6
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LIST OF PHOTOGRAPHS

Photograph 1: Fire hydrant in the APE (note date of 1972).....	4
Photograph 2: Panoramic of APE covered in gravel prior to survey	8
Photograph 3: View south from northwestern edge of APE. Frozen drainage ditch at center.....	8
Photograph 4: View of the northern section of the APE. Photo taken from the northeast corner of the proposed storage yard (at Helio Place and Lake Hood Drive).	9
Photograph 5: View to the west of southwest wetlands portion of APE; frozen pond (site of old Lake Hood Drive) bisecting photo; forested portion of APE in background.....	9
Photograph 6: Temporary camp with visqueen and modern debris.....	10
Photograph 7: Barbed wire within APE.....	10

LIST OF ACRONYMS AND ABBREVIATIONS

ADNR	Alaska Department of Natural Resources
ADOT&PF	Alaska Department of Transportation and Public Facilities
AHRS	Alaska Heritage Resources Survey
APE	Area of Potential Effect(s)
NHPA	National Historic Preservation Act
NRHP	National Register of Historic Places
OHA	Office of History and Archaeology
SHPO	State Historic Preservation Office(r)
SRB&A	Stephen R. Braund & Associates
TSAIA	Ted Stevens Anchorage International Airport
USACE	United States Army Corps of Engineers

INTRODUCTION

This report describes the methods and results of a cultural resources survey conducted by Stephen R. Braund & Associates (SRB&A) of a proposed storage yard expansion located near Lake Hood at the Ted Stevens Anchorage International Airport (TSAIA) in Anchorage, Alaska. The potential storage yard is part of the ANC AFM Storage Yard Expansion Project pursued by the Alaska Department of Transportation and Public Facilities (ADOT&PF). The project will require the placement of fill in waterways of the United States, and will require a permit authorization from the United States Army Corps of Engineers (USACE). USACE's authorization constitutes a federal undertaking, and therefore requires compliance with Section 106 of the National Historic Preservation Act (NHPA) and concurrence on a finding of effect from the State Historic Preservation Office(r) (SHPO). SRB&A was contracted by Restoration Science and Engineering, LLC to conduct a cultural resources literature review and field investigation of the proposed storage yard and prepare and submit a cultural resources report. SRB&A staff contributing to the project included Jake Anders, Stephen Braund, Theresa Dutchuk, Paul Lawrence, and Travis Shinabarger.

PROJECT DESCRIPTION AND AREA OF POTENTIAL EFFECTS

For this project, APE consists of an approximately 16-acre parcel of undeveloped land that will be filled with gravel to support airport operations, including storing supplemental and backup equipment, materials for ongoing operations, and as a temporary laydown area for construction projects and short-term stockpiling of materials. Anticipated ground disturbing activity includes clearing of vegetation in preparation for the placement of gravel fill. The proposed storage yard currently under consideration is located adjacent to Lake Hood at the TSAIA (Figure 1). The parcel on which the proposed storage yard is located is owned by State of Alaska, and is located in Township 13 North, Range 4 West, Section 27 of the Seward Meridian.

The APE is located on the south side of Lake Hood Drive and west of Helio Place at the TSAIA in Anchorage, Alaska (Figure 2). Lidar and aerial photographs of the APE indicate the terrain is mixed spruce bog with taiga forest on elevated areas. The Anchorage region can be characterized as a plain formed on glacial till which has been downcut in some areas by glacial outwash streams. Kettle lakes created by stranded blocks of ice pit the surface of the undeveloped area around Lake Hood which is characterized predominantly as wetlands (Miller and Dobrovolny 1959). The APE is surrounded by existing roads and gravel and paved lots supporting airplanes, hangars, heavy equipment, and other storage facilities. No existing structures exist within the APE.

METHODS

Literature Review

Prior to conducting the survey, SRB&A consulted the Alaska Heritage Resources Survey (AHRS) database to determine if previously documented cultural resources exist within the APE (Alaska Department of Natural Resources [ADNR], Office of History and Archaeology [OHA], 2016). SRB&A reviewed OHA files to determine if any previous cultural resources investigations had been undertaken within or near the proposed project. Additionally, SRB&A reviewed literature for regional and local environmental context and indigenous placenames to identify pre-contact use of the area by Dena'ina Athabascans.

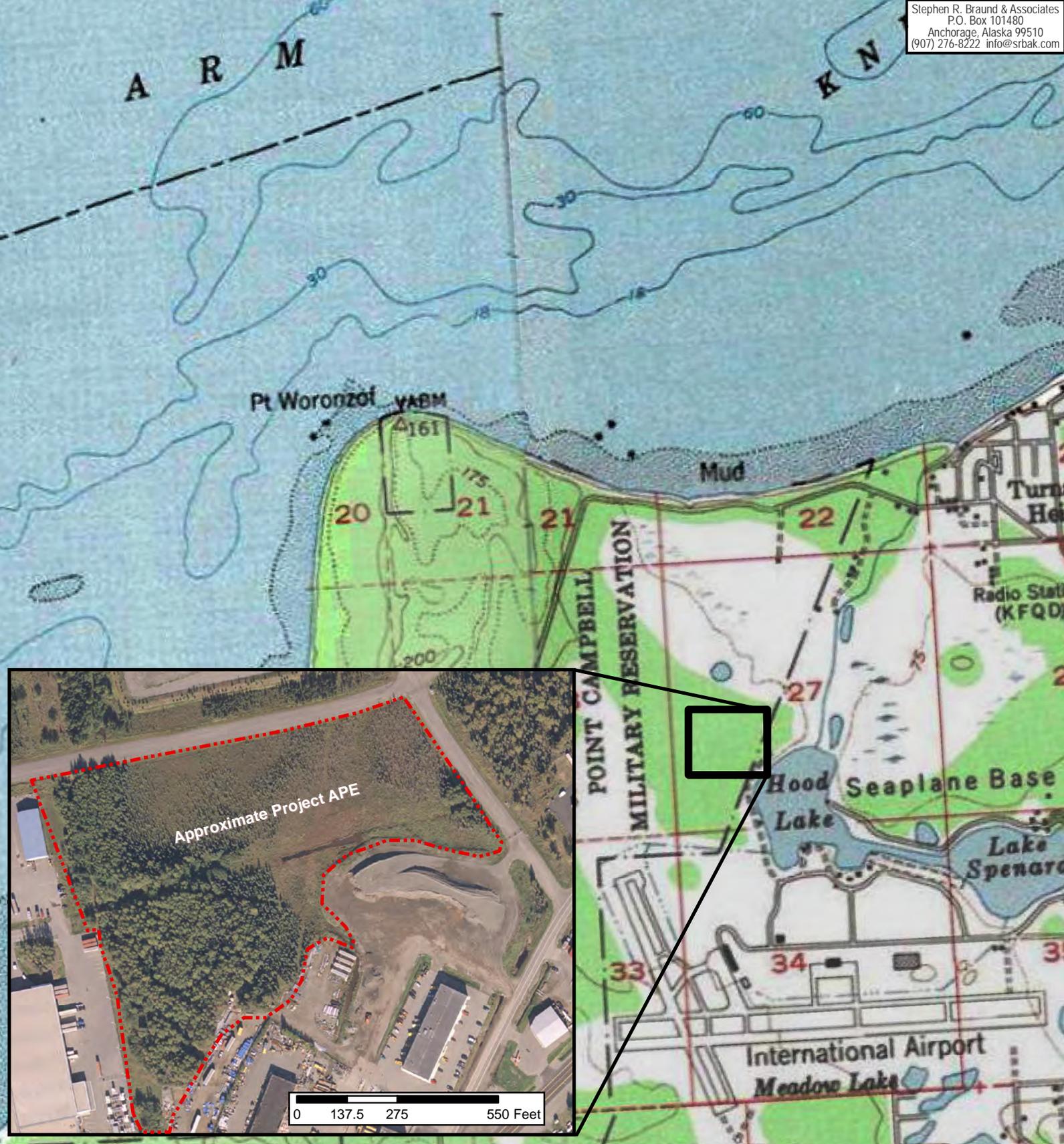


Figure 1: Proposed ANC AFM Storage Yard Expansion Project

 Project APE (approx. 16 acres)





Figure 2: Aerial Photo of the Proposed ANC AMF Storage Yard Expansion Project



Project APE (approx. 16 acres)



Imagery Source: www.alaskamapped.org

0 112.5 225 450 Feet

Cultural Resources Survey

Due to the lateness in the season (November 2016), SRB&A stipulated in their OHA permit application prior to fieldwork that if SRB&A identified areas of high archaeological potential or possible cultural depressions that could not be tested due to frozen ground, SRB&A would record the locations of any identified high potential locations and/or possible cultural depressions for further consultation with ADOT&PF and SHPO/OHA.

SRB&A's survey methods were targeted at identifying cultural resources within the project APE, collecting sufficient information about these resources to determine if it may be considered eligible for listing on the National Register of Historic Places (NRHP), and finally assessing the potential of the proposed project to have any adverse effects on resources considered eligible for listing on the NRHP. Survey methods employed by SRB&A included:

- close-order (e.g., 10 meter spacing) pedestrian transect surveys of the APE;
- investigation of areas having elevated levels of archaeological or historic potential;
- photographic documentation of environmental context and any cultural resources;
- reporting the results of the survey and providing recommendations regarding the effect of the project on cultural resources.

RESULTS

Literature Review

SRB&A's review of the AHRS system did not identify any previously documented sites within the APE of the project. However, Lake Hood Seaplane Base Historic District, which has been determined eligible for the NRHP, is located adjacent to the APE (ANC-03003). Within this historic district are over 30 AHRS sites, one of which is individually eligible for the NRHP (ANC-03287) and 19 others that are contributing elements to the district. As these historic properties exist outside of the APE, neither are anticipated to be adversely affected by the proposed project.

Historic photos provided in Faith (2009) show that sometime between 1964 and 1975 a water line was constructed and bisected the APE running east-west. Two fire hydrants identified during SRB&A's pedestrian survey (see below) are located along the waterline and date to 1972 (Figure 3; Photograph 1). SRB&A's review of aerial photographs indicates that the Lake Hood Drive was constructed north of the APE sometime between 1996 and 2002 (Google Earth 2016).

SRB&A's review of OHA files concerning previous surveys in the APE showed two vehicle surveys were conducted to assess Lake Hood Seaplane Base Historic District and associated structures for eligibility for NRHP.



Photograph 1: Fire hydrant in the APE (note date of 1972)

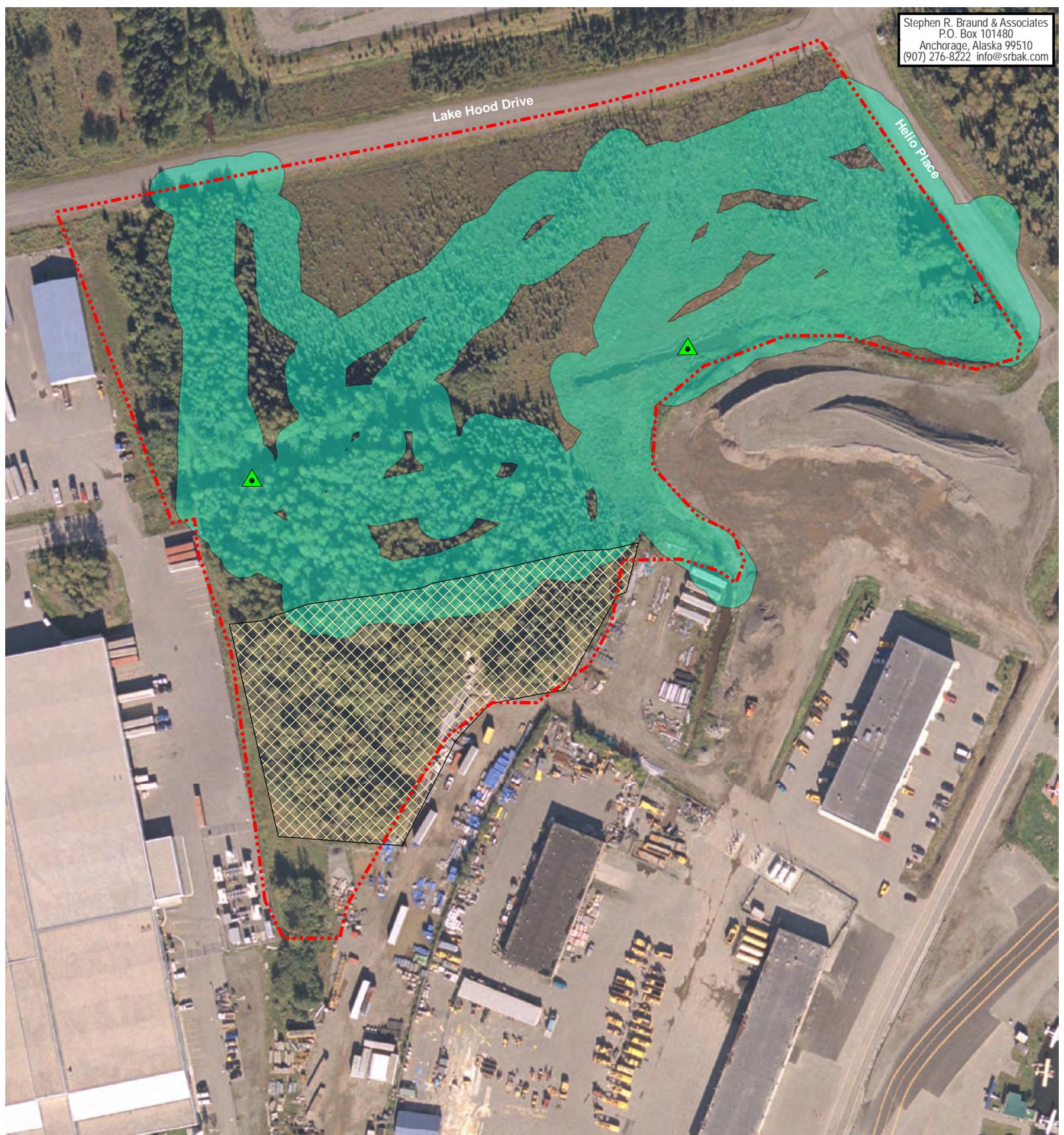


Figure 3: SRB&A Survey Tracks within the Proposed ANC AFM Storage Yard Expansion Project APE

-  Project APE (approx. 16 acres)
-  Fire Hydrant (n=2)
-  Area of Existing Gravel (approx. 2.7 acres)
-  SRB&A Pedestrian Survey Tracks

Imagery Source: www.alaskamapped.org
0 65 130 260 Feet



Presumably, due to the vicinity to the Lake Hood Seaplane Base Historic District, the APE was visible in the surveys conducted by Faith (2009) and Yarborough et al. (2010) and subsequently included during their inventory of buildings contributing to the historic district. SRB&A’s review of OHA files indicated no pedestrian surveys occurred in the APE.

Traditional use of the Anchorage region included settlements along local streams and fish camps along the shores of Cook Inlet. Subsistence resources identified through ethnohistorical accounts include small and large game, fishing, and berry picking (Kari and Fall 2003). Ethnohistorical accounts additionally identify portions of Anchorage as sites of territorial battles. SRB&A’s review of indigenous placenames identified five Athabascan designations documented within a two-mile radius of the APE (Table 1). Of note among the placenames is *Nilkidal’iy* and *Nilkidal’iy Betnu* due to their proximity to the APE (Figure 4). Although location descriptions are all that exist in literature reviewed by SRB&A for these two locations, the general importance of these areas can be perceived through the importance of designating a linguistic contour to a place so it can be commonly referenced between individuals and through generations.

Table 1: Indigenous Placenames

Placename	Literal Translation	Location Description	Source
<i>Nilkidal’iy</i>	"The Ones (Lakes) That Are Joined Together"	Lake Spenard and Lake Hood	Kari and Fall 2003:334
<i>Nen Ghilgedi</i>	"Rotten Land"	Bank in Earthquake Park area east of Hood Creek	Kari and Fall 2003:334
<i>Nuch’ishtunt</i>	"Place Protected From Wind"	Point Woronzof	Kari and Fall 2003:334
<i>Nilkidal’iy Betnu</i>	"Stream Of The Ones (Lakes) That Are Joined Together"	Hood Creek	Kari and Fall 2003:334
<i>Q’is Kaq’</i>	"Birchbark Mouth"	Creek half mile beyond Point Woronzof, creek at the end of east-west runway	Kari and Fall 2003:338
Stephen R. Braund & Associates, 2016			

Cultural Resources Survey

SRB&A’s pedestrian survey of the potential storage yard was conducted on November 23, 2016 by two field staff, one of which meets the Secretary of the Interior’s Standards for Archaeology and Historic Preservation (48 Federal Register 44716-44740). SRB&A parked on Helio Place, east of the proposed storage yard, and began a transect of the APE from the SE corner of the lot (Figure 3). Most of the eastern portion of the lot is delineated as wetlands, however due to the frozen conditions SRB&A staff conducted a pedestrian survey of the entire APE. While surveying the APE, SRB&A observed the southern portion of the lot located east of the Post Office has already been cleared, leveled, and covered with gravel (Figure 3). The gravel portion of the APE was not transected by SRB&A staff as the entire area was visible as a leveled gravel lot (Photograph 2).



Figure 4: Aerial Photo and Indigenous Placenames in the Vicinity of the Proposed ANC AMF Storage Yard Expansion Project

 Project APE (approx. 16 acres)

 Indigenous Placename (n=5) (Source: Kari and Fall 2003)

Imagery Source: www.alaskamapped.org

0 750 1,500 3,000 Feet





Photograph 2: Panoramic of APE covered in gravel prior to survey

The general condition of the APE consists mainly of wetlands and slightly elevated taiga forest. The wetlands area consisted of tall grasses, some alder, black spruce, and rosehip. The upland area consisted of a mossy ground cover, dense black spruce with intermittent birch, and alder. Modern debris (see below) was observed in the upland area, hospitable year-round for pedestrian foot travel. The APE had no topographic highlights or areas otherwise indicating a higher potential for archaeological resources that warranted subsurface testing (Photograph 3 and Photograph 4). Based on these observations, SRB&A's determined that the APE of the proposed storage yard has a low potential for containing archaeological resources.



Photograph 3: View south from northwestern edge of APE. Frozen drainage ditch at center.



Photograph 4: View of the northern section of the APE. Photo taken from the northeast corner of the proposed storage yard (at Helio Place and Lake Hood Drive).

SRB&A's survey of the APE identified a cleared corridor for water line construction and two fire hydrants associated with the water line (Figure 3, Photograph 1, and Photograph 5). The corridor is visible through a clearing in the trees and in the wetlands as a linear depression filled with water (frozen at time of survey). Additional debris identified during the survey included a dilapidated temporary camp with associated modern refuse, corrugated metal, a modern beer can, and barbed wire (Photograph 6 and Photograph 7). In summary, SRB&A did not observe any historic properties within the APE of the proposed storage yard.



Photograph 5: View to the west of southwest wetlands portion of APE; frozen pond (relict of 1970s water line construction) bisecting photo; forested portion of APE in background.



Photograph 6: Temporary camp with visqueen and modern debris



Photograph 7: Barbed wire within APE

SUMMARY

SRB&A conducted a cultural resources literature review and field survey to determine if any cultural resources were present within the APE of a proposed storage yard expansion near Lake Hood in Anchorage, Alaska. SRB&A reviewed sources of known site locations, previous surveys, and indigenous placenames, and conducted a pedestrian survey of the APE in order to identify any cultural resources which may be present. SRB&A's review of the AHRS determined that no AHRS sites are present within the APE, nor have any pedestrian surveys occurred in the APE.

SRB&A's field survey of the APE did not result in the identification of any archaeological or historic resources. The modern debris identified by SRB&A indicates the area has been used as a temporary camping location, and the locations of the fire hydrants are consistent with the historic photograph depiction of the 1970s water line construction. Additionally, the flat and featureless topography in combination with wetlands observed during the field survey support SRB&A's assessment of the APE as having a low potential for containing archaeological deposits. AHRS records indicate sites within the vicinity consist of historic structures associated with Lake Hood aviation activities and SRB&A observed no structures in the APE.

In the event that archaeological or historic material is identified during the vegetation clearing or other construction activities of the proposed storage yard, ADOT&PF should halt all ground disturbing activity and contact the SHPO to consult regarding the appropriate methods to proceed.

REFERENCES

- ADNR, OHA
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- Faith, R.C.
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- Kari, J. and Fall, J. A.
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1959 Surficial Geology of Anchorage and Vicinity Alaska. Geological Survey Bulletin 1093. United States Government Printing Office, Washington.
- Yarborough, M. R., Pendleton, C.L., Sommer, L.J., Stuart, Q.R., and Morrison, A.
2010 Historical Review for the Lake Hood Bank Stabilization Project (No. 50920), Anchorage, Alaska. Cultural Resource Consultants, LLC, Anchorage.

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Consultation Initiation
January 5, 2016

Michael Tucker, President
Knik Tribe
PO Box 871565
Wasilla, AK 99687

Dear President Tucker,

The Alaska Department of Transportation and Public Facilities (DOT&PF), in cooperation with the Alaska Division of the Federal Aviation Administration (FAA), is proposing to expand the existing Airport Field Maintenance (AFM) Storage Yard located on the south side of Lake Hood Drive and the west side of Helio Place at the Ted Stevens Anchorage International Airport (TSAIA). The AFM Storage Yard expansion would be utilized as a storage yard for TSAIA operations primarily to store supplemental and backup equipment, materials for ongoing operations, and as a temporary laydown area for construction projects and temporary materials stockpiling. The expansion would require approximately 9.1 acres ground disturbance, some of which would include wetlands, within the TSAIA property boundary. The proposed project site is located within Section 27, T. 13 N, R. 04 W, of the Seward Meridian; USGS Quad Map Anchorage A-8; Latitude 61° 11' 11.20" N, Longitude 149° 58' 50.83" W. See Figure 1 for a location and vicinity map and Figure 2 for illustration of the preliminary Area of Potential Effect (APE) as described below.

For purposes of the National Historic Preservation Act, we are initiating this consultation with you to assist us in determining the Area of Potential Effect (APE) and identifying historic properties that may be affected by the proposed project.



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Ms. Kristine Bunnell
Senior Planner
Municipality of Anchorage
PO Box 196650
Anchorage, Alaska 99519

Dear Ms. Bunnell,

The Alaska Department of Transportation and Public Facilities (DOT&PF), in cooperation with the Alaska Division of the Federal Aviation Administration (FAA), is proposing to expand the existing Airport Field Maintenance (AFM) Storage Yard located on the south side of Lake Hood Drive and the west side of Helio Place at the Ted Stevens Anchorage International Airport (TSAIA). The AFM Storage Yard expansion would be utilized as a storage yard for TSAIA operations primarily to store supplemental and backup equipment, materials for ongoing operations, and as a temporary laydown area for construction projects and temporary materials stockpiling. The expansion would require approximately 9.1 acres ground disturbance, some of which would include wetlands, within the TSAIA property boundary. The proposed project site is located within Section 27, T. 13 N, R. 04 W, of the Seward Meridian; USGS Quad Map Anchorage A-8; Latitude 61° 11' 11.20" N, Longitude 149° 58' 50.83" W. See Figure 1 for a location and vicinity map and Figure 2 for illustration of the preliminary Area of Potential Effect (APE) as described below.

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Maria Coleman
Cultural Manager
Native Village of Eklutna
26339 Eklutna Village Rd.
Chugiak, Alaska 99567

Dear Ms. Coleman,

The Alaska Department of Transportation and Public Facilities (DOT&PF), in cooperation with the Alaska Division of the Federal Aviation Administration (FAA), is proposing to expand the existing Airport Field Maintenance (AFM) Storage Yard located on the south side of Lake Hood Drive and the west side of Helio Place at the Ted Stevens Anchorage International Airport (TSAIA). The AFM Storage Yard expansion would be utilized as a storage yard for TSAIA operations primarily to store supplemental and backup equipment, materials for ongoing operations, and as a temporary laydown area for construction projects and temporary materials stockpiling. The expansion would require approximately 9.1 acres ground disturbance, some of which would include wetlands, within the TSAIA property boundary. The proposed project site is located within Section 27, T. 13 N, R. 04 W, of the Seward Meridian; USGS Quad Map Anchorage A-8; Latitude 61° 11' 11.20" N, Longitude 149° 58' 50.83" W. See Figure 1 for a location and vicinity map and Figure 2 for illustration of the preliminary Area of Potential Effect (APE) as described below.

For purposes of the National Historic Preservation Act, we are initiating this consultation with you to assist us in determining the Area of Potential Effect (APE) and identifying historic properties that may be affected by the proposed project.

Hilsinger, Erik D (DOT)

From: Duvall, Shina A (DNR)
Sent: Wednesday, January 11, 2017 3:39 PM
To: Hilsinger, Erik D (DOT)
Subject: TSAIA Airport Field Maintenance Storage Yard Expansion

Hi Erik,

Thanks for sending us the initiation letter for the subject project. At this time, we have no objections to the proposed study area/area of potential effects (APE), nor do we have any additional input on historic properties. We look forward to continued consultation on the subject undertaking and to receiving the results of the identification efforts along with FAA/DOT&PF's finding of effect. Please do not hesitate to contact me at any time if you have any questions or if we may be of further assistance.

Best regards,
Shina

Shina duVall, RPA
Archaeologist, Review and Compliance Coordinator
Alaska State Historic Preservation Office / Office of History and Archaeology
550 W. 7th Ave., Suite 1310
Anchorage, Alaska 99501
907-269-8720 (phone) 907-269-8908 (fax)
shina.duvall@alaska.gov

OHA is updating Alaska's historic preservation plan and wants to know what historic places matter to you. Please share your thoughts by taking a short survey that is available online at:
<http://www.surveymonkey.com/r/AKHPP>

Hilsinger, Erik D (DOT)

From: Bunnell Kristine <BunnellKR@ci.anchorage.ak.us>
Sent: Tuesday, February 28, 2017 9:43 AM
To: Hilsinger, Erik D (DOT)
Cc: 'Debra Corbett'; Wong, Carol C.; TobishTG@ci.anchorage.ak.us
Subject: RE: CFAPT00103/AIP 3-02-0013-###-2016 - TSAIA Maintenance Yard Expansion

Hi Erik,

Thank you for the copy of the Historic Resources Report completed for this project. I see no impact to historic or cultural resources, and agree with the recommendations included in the summary on page 11. We appreciate the places names map included as part of the determination. This information will assist the Muni in completing the Anchorage area historic preservation plan.

Best regards, Kristine
907.343.7993

From: Bunnell Kristine
Sent: Sunday, February 5, 2017 2:55 PM
To: 'erik.hilsinger@alaska.gov' <erik.hilsinger@alaska.gov>
Cc: 'Debra Corbett' <nanutsetheritage@gmail.com>; Wong, Carol C. <WongCC@ci.anchorage.ak.us>; Tobish, Thede G. <TobishTG@ci.anchorage.ak.us>
Subject: CFAPT00103/AIP 3-02-0013-###-2016 - TSAIA Maintenance Yard Expansion

Dear Erik,

Thank you for the opportunity to comment on this project and the invitation for consultation.

I did not receive a copy of the Braund Culture Resources Report with your letter. Please forward a copy to me at your earliest convenience.

Without the Braund Report I am unable to make adequate recommendations for the project. I would like to know if Braund recommended any impact mitigation to the eligible Lake Hood Seaplane Base Historic District.

The Municipality is in the process of completing a Municipal-wide historic preservation plan. That plan will have recommendations regarding the nomination of eligible historic districts to the National Register of Historic Places, Lake Hood included. Therefore, it is incumbent on DOT&PF to provide any and all research and project reports for our review and comment in a timely manner.

Please advise if a consultation will be set for the this project.

Best regards, Kristine Bunnell

Kristine Rene' Bunnell

Municipality of Anchorage - Long Range Planning Section

bunnellkr@muni.org

907-343-7993

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PO Box 196900
Anchorage, Alaska 99519-6900
Main: 907.269.0542
Toll Free: 800.770.5263
TDD: 907.269.0473

In Reply Refer To:

Airport Field Maintenance Storage Yard Expansion
Project No. CFAPT00103 / AIP 3-02-0013-####-2016
Finding of No Historic Properties Affected

March 30, 2017

ATTENTION: This finding contains zero (0) OE(s)

Ms. Judith Bittner
State Historic Preservation Officer
Alaska Office of History and Archaeology
550 W. 7th Avenue, Suite 1310
Anchorage, AK 99501-3565

Dear Ms. Bittner,

The Alaska Department of Transportation and Public Facilities (DOT&PF), in cooperation with the Alaska Division of the Federal Aviation Administration (FAA), is proposing to expand the existing Airport Field Maintenance (AFM) Storage Yard located on the south side of Lake Hood Drive and the west side of Helio Place at the Ted Stevens Anchorage International Airport (TSAIA). The AFM Storage Yard expansion would be utilized as a storage yard for TSAIA operations, primarily to store supplemental and backup equipment, materials for ongoing operations, and as a temporary laydown area for construction projects and temporary materials stockpiling. The expansion would require approximately 9.1 acres of ground disturbance within the TSAIA property boundary, some of which would include wetlands. The proposed project site is located within Section 27, T. 13 N, R. 04 W, of the Seward Meridian; USGS Anchorage A-8 quadrangle; Latitude 61.185952 N, Longitude -149.982986 W. See Figure 1 for a location and vicinity map and Figure 2 for illustrating the Area of Potential Effect (APE) as described below.

The DOT&PF on behalf of FAA finds that no historic properties would be affected by the proposed project pursuant to 36 CFR 800.4(d)(1), implementing regulations of Section 106 of the National Historic Preservation Act. This submission provides documentation in support of this finding, as required at 36 CFR 800.11(d).

Project Description

The project would (see Figure 2):

- Construct a 485 feet (ft) by 880 ft gravel pad with a usable surface of 9.11 acres.
- Construct vegetated drainage ditch slopes around three side of the proposed gravel pad
- Construct a new driveway to access the proposed pad from Helio Place
- Surface the proposed pad with hot mix asphalt

The proposed pad would be constructed to abut the existing gravel pad and would extend north to Lake Hood Drive and east to Helio Place.

Area of Potential Effect

The APE is the boundary of the proposed 485 feet (ft) by 880 ft gravel pad with a 20-foot construction equipment work area around the entire perimeter and a construction staging area located on the adjacent existing AFM gravel pad (see enclosed Figure 2). Anticipated ground disturbing activity includes vegetation clearing and placing gravel fill. The APE is surrounded by existing roads and gravel and paved lots supporting airplanes, hangars, heavy equipment, and other storage facilities. No structures presently exist within the APE.

The rationale for defining the APE is all construction activities associated with the proposed project would occur within the APE as defined above. The contractor would be responsible for obtaining required fill material and all associated required permits and clearances.

Identification Efforts

In November and December 2016, Stephen R. Braund & Associates (SRB&A) conducted a cultural resources literature review and field survey to determine if any cultural resources were present within the proposed project APE. SRB&A reviewed sources of known site locations, previous surveys, indigenous place names, and conducted a pedestrian survey of the APE to determine if any cultural resources exist within the proposed project boundaries. Results from the cultural resources report are summarized below.

Literature Review

SRB&A reviewed AHRS records and supporting documents and did not identify any previously documented sites within the direct APE. The Lake Hood Seaplane Base Historic District, which has been determined eligible for the National Register of Historic Places, is located adjacent to the direct APE (ANC-03003). Within this historic district are over 30 Alaska Heritage Resources Survey sites, one of which is individually eligible for the

NRHP (ANC-03287) and 19 others that are contributing elements to the district. The historic district is outside the direct APE.

SRB&A pedestrian field survey results

The APE consists mainly of wetlands and slightly elevated taiga forest. Tall grasses, alder, black spruce, and rosehip are the main wetlands species. The upland area has mossy ground cover, dense black spruce with intermittent birch, and alder. The pedestrian survey observed modern debris in the upland area. The APE had no topographic highlights or areas otherwise indicating a higher potential for archaeological resources warranting subsurface testing. Based on these observations, SRB&A determined the proposed project APE has low potential for containing prehistoric or historic era archaeological resources.

The pedestrian survey identified a cleared corridor for water line construction and two fire hydrants associated with the water line. The corridor is visible through a clearing in the trees and in the wetlands as a linear depression filled with water (frozen at time of survey). The survey identified a homeless person's camp with associated modern refuse, corrugated metal, a modern beer can, and barbed wire. SRB&A archaeologists did not observe any historic resources eligible for listing on the National Register of Historic Places within the surveyed area depicted in the report.

Finding of Effect

Based on the literature review and survey results discussed above, DOT&PF finds the proposed project would have no effect on historic properties. No historic properties were identified in the direct APE during pedestrian survey and literature review. The project would generate no visual impacts beyond the property as no permanent structures will be built and no other effects will extend beyond the direct APE into the first tier of adjacent properties.

Consulting Parties

DOT&PF is consulting with the following parties: SHPO, Municipality of Anchorage (MOA), Native Village of Eklutna, and Knik Tribal Council. The MOA replied to Initiation of Consultation on February 28, 2017 and said they see no impact to historic or cultural resources. The Office of History and Archaeology responded on January 11, 2017 and said "at this time, we have no objections to the proposed study area/area of potential effects (APE), nor do we have any additional input on historic properties." No other consulting parties responded to Initiation of Consultation.

March 30, 2017

Please direct your concurrence or comments to me at the address above, telephone at 907-269-0534 or by e-mail at erik.hilsinger@alaska.gov.

Sincerely,



Erik D. Hilsinger
Cultural Resources Specialist
Alaska DOT&PF, Central Region PD&E

Enclosures:

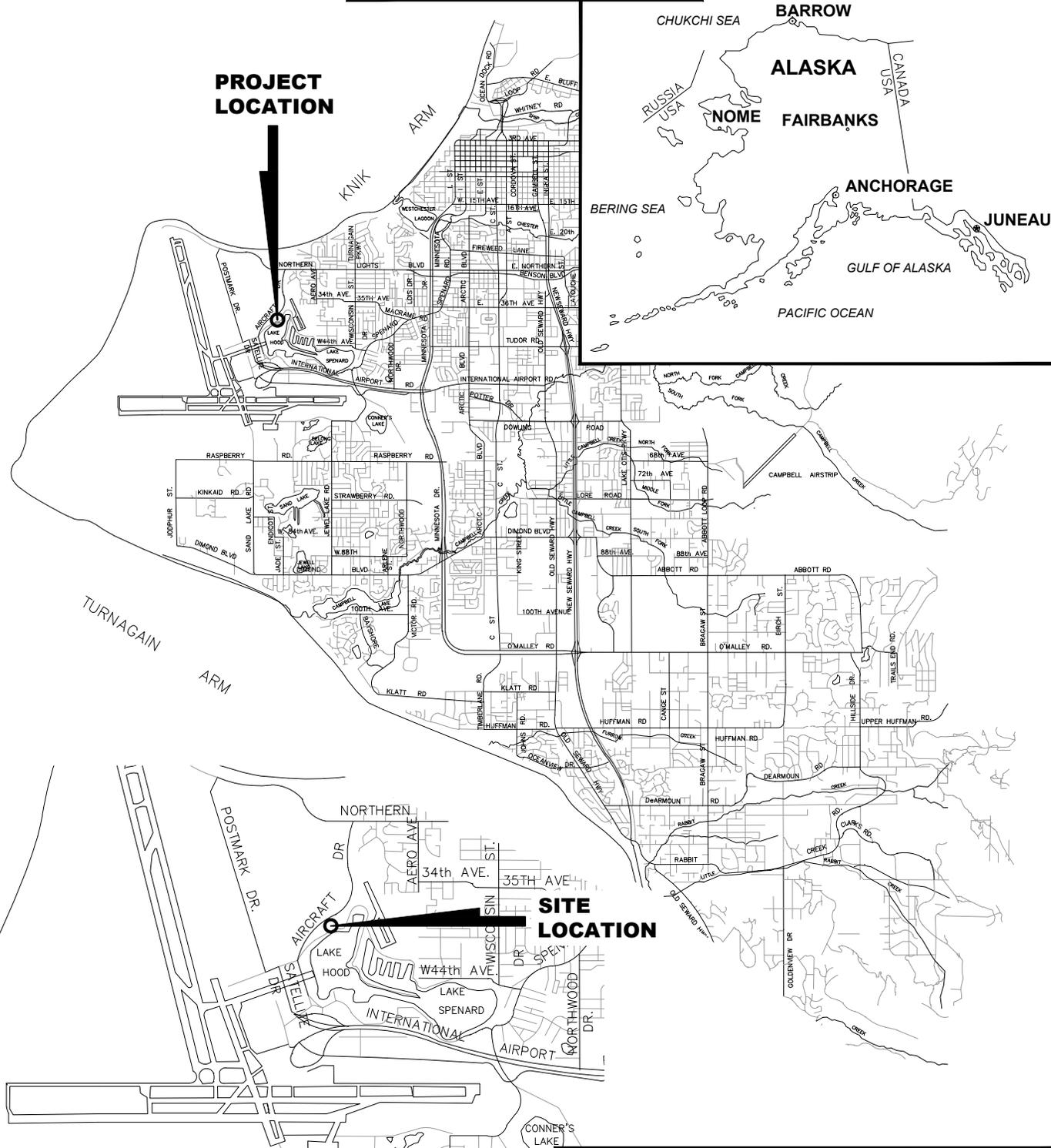
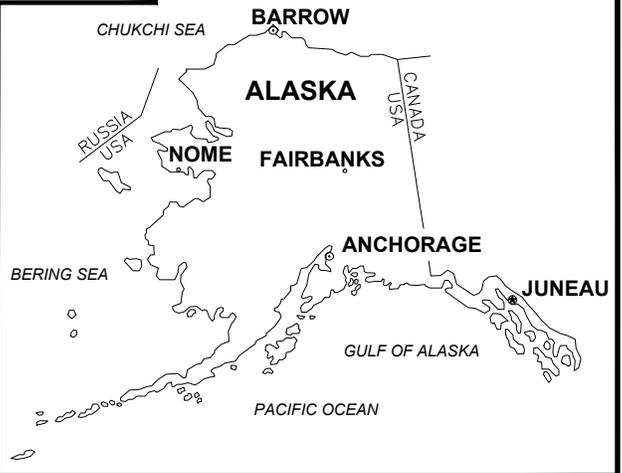
- Figure 1 – Location and vicinity map
- Figure 2 – APE and project plan view

Electronic cc w/ enclosures:

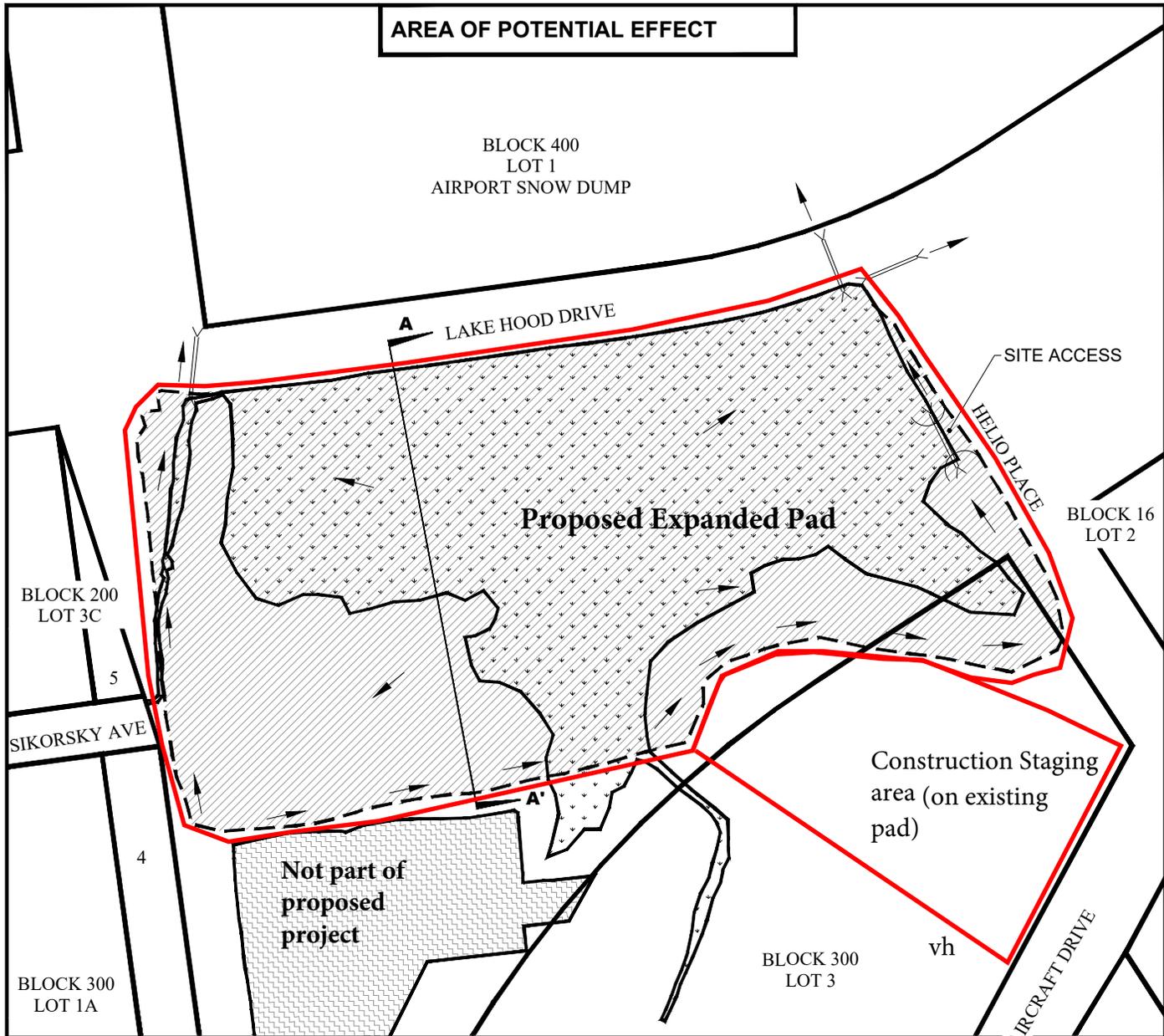
- Jennifer Carle, P.E., TSAIA Project Manager
- Keith Gordon, FAA Environmental Protection Specialist
- Brian Elliott, DOT&PF Central Region Environmental Manager
- Kathy Price, Cultural Resources Manager, DOT&PF Statewide Enviro

LOCATION & VICINITY MAP

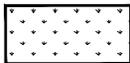
**PROJECT
LOCATION**



**TSAIA AFM STORAGE YARD EXPANSION
LOCATION AND VICINITY MAP**
 LOCATION: SEC. 27, T. 13 N, R. 04W, M. SEWARD
 LAT: N61°11'11.20" LONG: W-149°58'50.83"
 FIGURE 1 OF 2 DATE: 3/21/2017



LEGEND

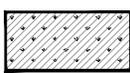


WETLAND AREA

APE



PROPOSED TOTAL FILL AREA (9.1 ACRES)



PROPOSED WETLAND FILL AREA (7.38 ACRES)



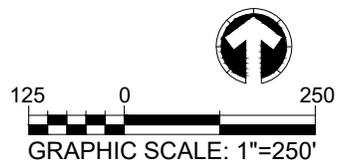
24 INCH CMP CULVERTS



DRAINAGE DIRECTION



LOT LINES



TSAIA AFM STORAGE YARD EXPANSION
AREA OF POTENTIAL EFFECT
 LOCATION: SEC. 27, T. 13 N, R. 04W, M. SEWARD
 LAT: N61°11'11.20" LONG: W-149°58'50.83"
 FIGURE 2 OF 2 DATE: 3/21/2017



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In Reply Refer To:

Airport Field Maintenance Storage Yard Expansion
Project No. CFAPT00103 / AIP 3-02-0013-###-2016
Finding of No Historic Properties Affected

March 30, 2017

Lee Stephan, President
Native Village of Eklutna
26339 Eklutna Village Rd.
Chugiak, Alaska 99567

Dear President Stephan,

The Alaska Department of Transportation and Public Facilities (DOT&PF), in cooperation with the Alaska Division of the Federal Aviation Administration (FAA), is proposing to expand the existing Airport Field Maintenance (AFM) Storage Yard located on the south side of Lake Hood Drive and the west side of Helio Place at the Ted Stevens Anchorage International Airport (TSAIA). The AFM Storage Yard expansion would be utilized as a storage yard for TSAIA operations, primarily to store supplemental and backup equipment, materials for ongoing operations, and as a temporary laydown area for construction projects and temporary materials stockpiling. The expansion would require approximately 9.1 acres of ground disturbance within the TSAIA property boundary, some of which would include wetlands. The proposed project site is located within Section 27, T. 13 N, R. 04 W, of the Seward Meridian; USGS Anchorage A-8 quadrangle; Latitude 61.185952 N, Longitude -149.982986 W. See Figure 1 for a location and vicinity map and Figure 2 for illustrating the Area of Potential Effect (APE) as described below.

The DOT&PF on behalf of FAA finds that no historic properties would be affected by the proposed project pursuant to 36 CFR 800.4(d)(1), implementing regulations of Section 106 of the National Historic Preservation Act. This submission provides documentation in support of this finding, as required at 36 CFR 800.11(d).

Project Description



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In Reply Refer To:

Airport Field Maintenance Storage Yard Expansion
Project No. CFAPT00103 / AIP 3-02-0013-###-2016
Finding of No Historic Properties Affected

March 30, 2017

Ms. Kristine Bunnell
Senior Planner
Municipality of Anchorage
PO Box 196650
Anchorage, Alaska 99519

Dear Ms. Bunnell,

The Alaska Department of Transportation and Public Facilities (DOT&PF), in cooperation with the Alaska Division of the Federal Aviation Administration (FAA), is proposing to expand the existing Airport Field Maintenance (AFM) Storage Yard located on the south side of Lake Hood Drive and the west side of Helio Place at the Ted Stevens Anchorage International Airport (TSAIA). The AFM Storage Yard expansion would be utilized as a storage yard for TSAIA operations, primarily to store supplemental and backup equipment, materials for ongoing operations, and as a temporary laydown area for construction projects and temporary materials stockpiling. The expansion would require approximately 9.1 acres of ground disturbance within the TSAIA property boundary, some of which would include wetlands. The proposed project site is located within Section 27, T. 13 N, R. 04 W, of the Seward Meridian; USGS Anchorage A-8 quadrangle; Latitude 61.185952 N, Longitude -149.982986 W. See Figure 1 for a location and vicinity map and Figure 2 for illustrating the Area of Potential Effect (APE) as described below.

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Project Description



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PO Box 196900
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In Reply Refer To:

Airport Field Maintenance Storage Yard Expansion
Project No. CFAPT00103 / AIP 3-02-0013-###-2016
Finding of No Historic Properties Affected

March 30, 2017

Michael Tucker, President
Knik Tribe
PO Box 871565
Wasilla, AK 99687

Dear President Tucker,

The Alaska Department of Transportation and Public Facilities (DOT&PF), in cooperation with the Alaska Division of the Federal Aviation Administration (FAA), is proposing to expand the existing Airport Field Maintenance (AFM) Storage Yard located on the south side of Lake Hood Drive and the west side of Helio Place at the Ted Stevens Anchorage International Airport (TSAIA). The AFM Storage Yard expansion would be utilized as a storage yard for TSAIA operations, primarily to store supplemental and backup equipment, materials for ongoing operations, and as a temporary laydown area for construction projects and temporary materials stockpiling. The expansion would require approximately 9.1 acres of ground disturbance within the TSAIA property boundary, some of which would include wetlands. The proposed project site is located within Section 27, T. 13 N, R. 04 W, of the Seward Meridian; USGS Anchorage A-8 quadrangle; Latitude 61.185952 N, Longitude -149.982986 W. See Figure 1 for a location and vicinity map and Figure 2 for illustrating the Area of Potential Effect (APE) as described below.

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Project Description

4.14.17

3130-1R FAA



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Department of Transportation and Public Facilities

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PO Box 196900 Anchorage, Alaska 99519-6900 Main: 907.269.0542 Toll Free: 800.770.5263 TDD: 907.269.0473

In Reply Refer To:

Airport Field Maintenance Storage Yard Expansion Project No. CFAPT00103 / AIP 3-02-0013-###-2016 Finding of No Historic Properties Affected

March 30, 2017

ATTENTION: This finding contains zero (0) OE(s)

Ms. Judith Bittner State Historic Preservation Officer Alaska Office of History and Archaeology 550 W. 7th Avenue, Suite 1310 Anchorage, AK 99501-3565

RECEIVED APR 04 2017 OHA

No Historic Properties Affected SAP Alaska State Historic Preservation Officer Date: 4.14.17 File No.: 3130-1R FAA Please review: 36 CFR 800.13 / A.S. 41.35.070(d)

Dear Ms. Bittner,

The Alaska Department of Transportation and Public Facilities (DOT&PF), in cooperation with the Alaska Division of the Federal Aviation Administration (FAA), is proposing to expand the existing Airport Field Maintenance (AFM) Storage Yard located on the south side of Lake Hood Drive and the west side of Helio Place at the Ted Stevens Anchorage International Airport (TSAIA). The AFM Storage Yard expansion would be utilized as a storage yard for TSAIA operations, primarily to store supplemental and backup equipment, materials for ongoing operations, and as a temporary laydown area for construction projects and temporary materials stockpiling. The expansion would require approximately 9.1 acres of ground disturbance within the TSAIA property boundary, some of which would include wetlands. The proposed project site is located within Section 27, T. 13 N, R. 04 W, of the Seward Meridian; USGS Anchorage A-8 quadrangle; Latitude 61.185952 N, Longitude -149.982986 W. See Figure 1 for a location and vicinity map and Figure 2 for illustrating the Area of Potential Effect (APE) as described below.

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