THE STATE of ALASKA
GOVERNOR SEAN PARNELL

Department of Natural Resources

Division of Mining, Land & Water
Surveys Section

550 West 7th Avenue, Suite 650
Anchorage, Alaska 99501-3576
Main: 907.269.8523
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May 12, 2014

Gary Gillette, Port Engineer
City and Borough of Juneau
Docks and Harbors
155 S. Seward Street
Juneau, Alaska 99801

File: **ATS No. 1700**
Subj: Survey Instructions
ADL No. 107932

Dear Mr. Gillette:

Enclosed are the Special Survey Instructions for the survey and platting of approximately 3.34 acres of tide and submerged land for conveyance to the City and Borough of Juneau, Statter Harbor, **ATS No. 1700 / ADL No. 107932**. These instructions will be good for two years from the date of approval. The applicant is being notified of the issuance of the instructions by a copy of this letter.

A waiver of any portion of the field survey requirements of the Survey Instructions must be requested and approved prior to completion of the fieldwork. A waiver of any portion of the platting requirements must be requested and approved prior to the submittal of the preliminary plat.

This survey is subject to review and approval by the City and Borough of Juneau Platting Authority. It is the responsibility of the surveyor to obtain this approval. In the event any Platting Authority requirement significantly changes the scope of this survey, contact this office for Supplemental Instructions.

If you have any questions concerning these instructions, please feel free to contact me at 451-2758.

Sincerely,

G. Larry King, PLS, SR/WA, CFedS
Statewide Platting Supervisor

Enclosures:
Special Survey Instructions
Plan of Survey

cc: Lee Cole, SERO, DMLW
Natural Resource Tech II: Ronda Wilson ADL No. 107932
Survey Tracking & Monitoring, Case Type: 316, Subtype: 0046

"To responsibly develop Alaska's resources by making them available for maximum use and benefit consistent with the public interest."

Tech on 'dnr-atwfs1':\- New\ATS\ATS 1700 Statter Harbor - S22,T40S,R65E,CRM\SI's

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
CADASTRAL SURVEY UNIT
550 W 7TH AVE., SUITE No. 650
ANCHORAGE, ALASKA 99501-3576

SPECIAL SURVEY INSTRUCTIONS

ALASKA TIDELAND SURVEY NO. 1700

Authority: 11 AAC 53, Survey and Platting Requirements

These instructions provide for the survey and platting of 2 parcels encompassing approximately 4.6 acres of tide and submerged lands within Protracted Sections 22 and 23, Township 40 South, Range 65 East, Copper River Meridian, near Juneau, Alaska. The purpose of this survey is to facilitate the conveyance of tide and submerged lands in accordance with AS 38.05.825, pursuant to the Final Finding and Decision for ADL No. 107932, approved September 25, 2013.

In the execution of the survey included under **ATS No. 1700**, the surveyor is authorized and directed to perform the survey of **ADL No. 107932**, as set out in these instructions, the State of Alaska's Survey and Platting Regulations, and such supplemental instructions as may be issued during the progress of work.

LIMIT AND CHARACTER OF WORK

The survey is limited to the establishment and monumentation of the boundaries as shown on the Plan of Survey for **ATS No. 1700 / ADL No. 107932**, the location of all improvements within the parcel, and the preparation of the survey plat. In the event that any needed BLM or GLO survey corner is missing or has been destroyed, it shall be reestablished per the appropriate BLM Manual of Surveying Instructions.

HISTORY OF SURVEYS

U.S. Survey No. 2391 was surveyed by F.W. Williamson, Cadastral Engineer, in 1938 and the plat was accepted by GLO on April 20, 1940. The plat was recorded on April 20, 1940 as Plat No. 1940-4, Juneau Recording District.

Supplemental Plat of U.S. Survey No. 2391 showing Lots 1 through 6 was accepted May 5, 1961.

U.S. Survey No. 2664 was surveyed by Leonard M. Berlin, Cadastral Engineer, in 1946 and the plat was accepted by BLM on July 7, 1948.

U.S. Survey No. 3819 was surveyed by Clifford L. McKay, Cadastral Surveyor, in 1960 and the plat was accepted by BLM on April 17, 1962.

ATS No. 16 was surveyed by Toner & Nordling Registered Engineers in 1960 and the plat was recorded on May 23, 1961 as Plat No. 289, Juneau Recording District.

ATS No. 1118 was surveyed by D. S. Miller Civil Engineering, in 1986 and the plat was filed on April 28, 1986 as Plat No. 86-35, Juneau Recording District.

ATS No. 1324 was surveyed by D. S. Miller Civil Engineering, in 1986 and the plat was filed on May 14, 1986 as Plat No. 86-40, Juneau Recording District.

ATS No. 756 was surveyed by B. A. Campbell in 1968 and the plat was recorded on January 11, 2001 as Plat No. 2001-2, Juneau Recording District.

ATS No. 121 was surveyed by Louis D. Rainery Consulting Engineer in 1961 and the plat was recorded on January 11, 2001 as Plat No. 2001-3, Juneau Recording District.

ATS No. 33 was surveyed by Toner & Nordling Registered Engineers in 1961 and the plat was recorded on January 11, 2001 as Plat No. 2001-6, Juneau Recording District.

ATS No. 1362 was surveyed by D. S. Miller Civil Engineering in 1988 and the plat was recorded on April 8, 1991 as Plat No. 91-15, Juneau Recording District.

ADL No. 51648, Right of Way Permit was issued by the Department of Natural Resources, Division of Lands, on October 14, 1970. A First Amendment was issued August 20, 1973. A copy of each is enclosed.

The following plats were filed/recorded in the Juneau Recording District:

Woodacres Subdivision was filed as Plat D-40.

Auke Bay Towers Condos, a subdivision of Lots 8, 9, 10, & 12 was recorded on March 13, 1970 as Plat No. 581.

Boundary Line Adjustment Plat of Lots 2A & 3A, U.S. Survey No. 2664 was surveyed by Douglas Finley Land Surveying in 2002 and the plat was recorded on December 12, 2002 as Plat No. 2003-15.

Boundary Line Adjustment Plat of Lots 3B & 3C, U.S. Survey No. 2664 & ATS 16 was surveyed by Douglas Finley Land Surveying in 2003 and the plat was recorded on June 4, 2003 as Plat No. 2003-15.

Partial Right of Way Vacation of Unnamed Street to Lat 8A & 12A within Woodacres Subdivision was surveyed by R&M Engineering, Inc. in 2006 and the plat was recorded on December 8, 2006 as Plat No. 2006-70.

METHOD OF SURVEY PROCEDURE

This survey shall be executed by a Professional Land Surveyor registered to practice in the State of Alaska.

It is the surveyor's responsibility to insure research is complete.

The survey and plat of ATS No. 1700 shall substantially conform to 11 AAC 53, these Survey Instructions, the Final Finding and Decision approved September 25, 2013, the City and Borough of Juneau Statter Harbor Improvements Tidelands Application Update Concept & Master Plan dated September 18, 2012 and the enclosed Plan of Survey.

Two tracts shall be created by this survey.

Tract A shall be those tide and submerged lands as described in the enclosed document entitled "Legal Description for the City and Borough of Juneau Docks and Harbors, Juneau, Alaska" prepared January 22, 2013.

Platted boundary lines of ATS No. 1362 located within Tract A, ATS No. 1700, shall be vacated.

The landward boundary of Tract A, ATS No. 1700 shall be coincident with the littoral boundaries of Lots 4 and 5 of U.S. Survey No. 2664 and the natural mean high water line of Statter Harbor. The surveyor shall be cautious when determining the existing mean high water line to make sure that it is the natural line, and not an artificial one created by fill material.

The natural mean high water line coincident with the northeasterly boundary of Tract A, ATS No. 1700 may have been altered due to fill. The natural mean high water line shall be reestablished through the means of research of previous surveys, aerial photography and historical research to determine the best evidence of the natural mean high water line location prior to placement of fill. Meander Corners 1, 2, and 3 of Tract A, ATS No. 1700 shall be established at the last natural mean high water line prior to placement of fill, based on the best available evidence. The toe of fill shall be located and depicted on the plat. The existing natural mean high water line shall be meandered and shown to a distance of approximately 400 feet beyond the bounds of this survey. The tidal datum used shall be shown on the plat.

Tract B shall be the replat of ATS No. 1362, excluding those tide and submerged lands located within the above described Tract A.

The landward boundary of Tract B, ATS No. 1700 shall be coincident with the littoral boundary of Lot 10 of Woodacres Subdivision and the natural mean high water line of Statter Harbor. The surveyor shall be cautious when determining the existing mean high water line to make sure that it is the natural line, and not an artificial one created by fill material.

The natural mean high water line coincident with the northerly boundary of Tract B, ATS No. 1700 may have been altered due to fill. The natural mean high water line shall be reestablished through the means of research of previous surveys, aerial photography and historical research to determine the best evidence of the natural mean high water line location prior to placement of fill. Meander Corners 1, 2, and 3 of Tract B, ATS No. 1700 shall be established at the last natural mean high water line prior to placement of fill, based on the best available evidence. The toe of fill shall be located and depicted on the plat. The existing natural mean high water line shall be meandered and shown to a distance of approximately 400 feet beyond the bounds of this survey.

All improvements within ATS No. 1700 shall be as-built and depicted on the plat with ties to the parcel boundary.

Field ties shall be made to all monuments which control the parcel sidelines. These ties and monumentation shall be shown on the plat. Monumentation shall be recovered and tied as necessary to properly proportion record meander lines. Sufficient field measurements shall be made to show the relationship between this tidelands parcel and existing monumented boundaries of contiguous upland parcels. ATS No.'s 16, 121, 756 and 1118 shall be retraced sufficiently to ensure they are not encroached upon.

A table shall be shown on the plat showing:

Ties from a minimum of two primary monuments, preferably MC3, Tract A and C1, Tract B to Corners 5 and 6, Tract A, and Corners 4, 5, 6 and 7, Tract B. The ties shall be oriented to yield a strong geometric figure for the purpose of reestablishing Corners 5 and 6, Tract A, and Corners 4, 5, 6 and 7, Tract B, ATS No. 1700.

The Basis of Bearing shall be between any two recovered monuments for which there is a record bearing; preferably the longest line of record or alternately the Basis of Bearing may be determined using high precision GPS survey procedures. The Basis of Bearing must be clearly noted on the plat. The Datum must also be noted, including the conversion method information.

Geographic coordinates (NAD 1927 and NAD 1983) are required to be shown at the monumented Meander Corner #1, Tract A. The Basis of Coordinates shall be derived from a field tie to a NGS survey monument established by GPS or conventional methods, or from a tie to one of the monuments of an approved survey having record values. The Basis of Coordinates must be clearly noted on the plat.

Geographic coordinates may also be derived from survey-grade GPS observations if sufficient to process through OPUS. Observations shall be on a primary monument, set or recovered, which

shall be shown on the plat with ties to the survey. Documentation accompanying the first plat submittal must include recordable copies of the "NGS OPUS Solution Report," and a completed "GPS Station Observation Log." The NGS Opus Solution Report shall show a minimum of 120 minutes of static positioning data logged, with 240 minutes recommended.

For additional information regarding OPUS and the NGS OPUS Solution Report, see <http://www.ngs.noaa.gov/OPUS/Using_OPUS.html>. GPS Station Observation Log forms are available in pdf format at <http://www.ngs.noaa.gov/PROJECTS/NGSforms/obslog.pdf>.

Control monuments on record with the National Geodetic Survey (NGS) may be researched on-line at <http://www.ngs.noaa.gov/products_services.shtml#DataSheets>.

If GPS technology is used, it shall conform to the "Geometric Accuracy Standards and Specifications for Using Relative Positioning Techniques," Version 5.0, May 1988, reprinted with corrections, August 1, 1989. Copies of this document are available on-line at <http://www.ngs.noaa.gov/FGCS/tech_pub/GeomGeod.pdf> .

No marking of any kind shall be added to recovered monuments.

Reservation to ATS No. 1700:

> A 50' public access easement centered on the driven way from the upland boundary to the existing mean high water line shall be reserved on this plat in accordance with AS 38.05.127. The easement shall be graphically depicted and labeled on the plat.
>
> A 50' public access easement coincident with and 50' seaward of the existing mean high water line shall be reserved on this plat in accordance with AS 38.05.127. The easement shall be graphically depicted and labeled on the plat.

ATS No. 1700 is subject to:

> ADL No. 51648, a 20 foot Sewer Easement platted under ATS No. 1362. The easement shall be annotated with ties to the Tract boundaries and labeled on the plat.

The surveyor shall research the public record sufficiently to show on the plat the current legal identifiers of contiguous upland parcels.

It is the surveyor's responsibility to obtain the upland owner's permission prior to setting any monuments.

All significant improvements and encroachments within this survey shall be field located and shown on the plat.

TECHNICAL SURVEY REQUIREMENTS

All lines surveyed and retraced by this survey shall be surveyed with a minimum accuracy of 1:5000. The surveyor must employ closed-traverse methodology or other field survey procedures which self-check the survey and justify the claim of achieving the required degree of accuracy, with the actual field closure reflected in the field notes. Legible, annotated copies of all field notes and computations, a sketch showing traverse point relationships, as well as good photographs or legible rubbings of monuments recovered and established, must accompany the first plat submittal. All GPS data; including raw data files, adjustment files, final coordinate file, and OPUS solutions shall be submitted in a digital format only, no hard copies please. OPUS solution sheets must also accompany the first plat submittal.

Previously existing monuments and accessories found in a disturbed condition must be returned to the original position and condition as nearly as possible or replaced so as to perpetuate the position.

A primary monument must consist of a minimum two inch diameter metal pipe, at least 30 inches long, with a minimum four-inch flange at the bottom. A minimum two-and-one-half inch diameter metal cap must be permanently attached at the top. If both the cap and the pipe are of non-ferrous metal, then additives with magnetic qualities must be permanently attached at both the top and bottom of the monument. Every primary monument cap must be permanently stamped with the survey designation across the top, the corner identification in the center, and the surveyor's registration number and the year set on the bottom. This data must be oriented so that it may be read when the reader is facing north.

Except where otherwise required in these Survey Instructions and the Plan of Survey, tideland survey parcels shall be monumented with a minimum of four primary monuments. Except where otherwise herein indicated, there shall be one monument required on each exterior meander corner and a witness corner monument on the upland extension of each seaward sideline, defining the sideline. If existing monuments fit these criteria they may be used instead of new ones.

If the point for a primary monument is in a place that would be impractical to monument because of natural obstacles such as water bodies, a witness corner must be set. The witness distances must be shown on the survey plat from the true corner position to the monument as set. Except where otherwise required in these Survey Instructions and the Plan of Survey, witness corners must be set on a survey property line and at a distance considered reasonable and practical from the true corner point. Witness corners must comply with the standards for primary monuments. If it is impractical to set a primary monument due to surface or shallow subsurface rock, one of the following may be substituted, with monument accessories as required: (a) a cap grouted into firm rock; or (b), a durable tablet containing a minimum of 1,000 cubic inches of concrete and a cap marking the actual corner point.

All primary monuments must be referenced to three bearing trees or objects, if available, using methods that will secure a closure error no greater than 1:2000. Reference monuments must be set if no trees or other suitable objects exist within 100 feet.

(1) If bearing trees or objects are used, they must be located as nearly as possible at equal angles, and may not be farther away than 100 feet from the monument. The distance to trees or objects must be measured at waist height, and in the case of trees, measured to the center of the tree, with distances reduced to horizontal equivalent. The surveyor shall have the option of marking the bearing trees with non-ferrous metal tags of at least nine square inches in size facing the monument and clearly and permanently marked with the bearing, distance, and corner nomenclature, or of scribing the trees as per applicable Articles of the BLM Manual of Surveying Instructions, 2009. Reference monuments must be set if no trees or other suitable objects exist within 100 feet.

(2) If reference monuments are necessary, two monuments meeting the requirements for secondary monuments, must be used. These monuments must be placed on a property line or at right angles to the monument within the property being surveyed, and may not be further than 100 feet from the monument being referenced. In addition, they must be marked with the nomenclature and distance to the monument being referenced.

(3) In addition to the accessories required above, witness posts of the minimum size of a nominal two-by-four, or fiberglass reinforced Carsonite witness posts, six feet in length with four feet protruding above ground, are required for all primary monuments. They shall be set at right angles to the line and no farther than one foot from the monument.

Secondary monuments must consist of at least a five-eighth inch metal rod, three feet long, with a one-and-one-half inch cap attached at the top.

All property corners must be numbered on the monuments and designated on the plat in a consecutive, preferably clockwise, direction.

Any additional survey or monumentation requirements of the City and Borough of Juneau Platting Authority must also be conformed to.

PLAT REQUIREMENTS

The surveyor shall construct the plats in accordance with the following:

(1) The plat must be of archive quality biaxially oriented polyester film that does not exceed 32 x 36 inches. Margins shall be 1½ inch on the left and ½ inch on the top, right and bottom.

(2) Use the standard DNR legend, an example of which is available on the DNR Survey Unit webpage at <http://www.dnr.state.ak.us/mlw/survey/>.

(3) All sheets must have the official division title block, border configuration and standard legend.

(4) All line work on the plat must be in the appropriate black drafting ink.

(5) All lettering on the plat must be in the appropriate black drafting ink and be accomplished with mechanical lettering equipment.

(6) All line work and lettering must be of professional quality and all line widths and lettering sizes must be of such size that all information can be clearly shown without overlap or confusion. In order for all plats to microfilm properly, all lettering must be minimum size 80 Leroy ®, or equivalent, with No. 100 recommended. Size 80 lettering must be uppercase.

(7) When more than one sheet is required, an index sheet must be added showing the entire parcel, with the sheets in numerical order, and each sheet showing the sheet number and total number. When more than one sheet is submitted, only the last need have the approval certificates, but all sheets must be the same size.

(8) The plat must be in an appropriate engineering scale of one inch representing a multiple of 100 feet.

(9) Details, as necessary, must be shown at an appropriate indicated scale.

(10) The plat must have a vicinity map in the upper right hand corner. The map shall be at least four inches on each side with a scale of one inch representing one mile, showing sections, townships and ranges, boundaries such as national forest or municipal boundaries, and other prominent physical or natural features such as roads, lakes, or rivers. The source of the base map must also be indicated.

(11) Nomenclature of the survey need appear in the title block only, unless the division specifically states otherwise.

(12) The basis of bearings must be indicated. Bearings shown must be true bearings as orientated to the basis of bearing, and distances must be in the foot unit reduced to the true horizontal equivalent.

(13) Bearings and distances must be shown within the accuracy commensurate with the class of survey being represented. Boundary line distances must be shown from monument to monument.

(14) In compliance with PL 94-168, entitled "Metric Conversion Act 1975," a metric bar scale shall be shown on the plat, positioned directly above the title block. A corresponding foot scale shall be shown and similarly placed, and have a unit scale which is identical to that used in the drawing on the survey portion of the plat. Two equations shall be shown: 1 meter = 3.280833 U.S. survey feet, and 1 U.S. Acre = 0.4047 hectare.

(15) The date of plat preparation and standard north arrow must be shown on the plat. A recent magnetic declination must be shown below the north arrow with a date and source. The current declination may be computed utilizing the N.O.A.A. National Geophysical Data Center website at <http://ngdc.noaa.gov/seg/geomag/declination.shtml>.

(16) Certificates must be shown substantially as follows, with the headings capitalized and underlined:

CERTIFICATE OF OWNERSHIP AND DEDICATION

I, the undersigned, hereby certify that I am the Director, Division of Mining, Land and Water and that the State of Alaska is the owner of ATS No. 1700, as shown hereon. I hereby approve this survey and plat for the State of Alaska, and dedicate for public or private use as noted, all easements, public utility areas, and rights-of-way as shown and described hereon.

Dated _____ _____(Signature in black ink)_____
Director, Division of Mining, Land & Water

NOTARY'S ACKNOWLEDGEMENT

Subscribed and sworn to before me this _____ day of _____, 20_____.

By _____.

_____
Notary Public for Alaska
My Commission Expires _____

APPLICANT CERTIFICATE

(Use the singular or plural as applicable.)
(I/We), the undersigned, hereby certify that (I am/we are) the applicant(s) as shown hereon. (I/We) hereby approve this survey and plat.

ADL No. 107932, Tract A

____(Signature in black ink)_____ _____
Applicant's Name or Authorized Official and Title — Date

NOTARY'S ACKNOWLEDGEMENT

Subscribed and sworn to before me this _____ day of _____, 20_____.

By Applicant's/Official's name to be handwritten in by Notary

_____
Notary Public for Alaska
My Commission Expires _____

SURVEYOR'S CERTIFICATE

I hereby certify that I am properly registered and licensed to practice land surveying in the State of Alaska, that this plat represents a survey made by me or under my direct supervision, that the monuments shown hereon actually exist as described, and that all dimensions and other details are correct.

Date ___(date)____ Registration Number _(number)__

(Surveyor's Seal) ___(Signature in black ink)_____
Registered Land Surveyor

PLAT APPROVAL

(Appropriate Platting Authority Certificate)

TAX CERTIFICATE

(Appropriate Taxing Authority Certificate)

(17) Any approval or any other certificates or notes that may be required by the City and Borough of Juneau Platting Authority shall be drafted on the plat.

(18) The following notes will be required on the plat:

a. This survey was accomplished in accordance with AS 38.05.825 and ATS SI No. 1700.

b. All bearings shown are true bearings as oriented to the Basis of Bearings and distances shown are reduced to horizontal field distances.

c. The error of closure of this survey does not exceed 1:5000.

d. (For plats based on GPS)

BASIS OF BEARING

The Basis of Bearing on this plat was determined by a high precision GPS survey, using *(brand and model)* receivers, differentially corrected and processed using *(name of software)*, Version _____ software.

COORDINATES

The coordinates used were constrained to the National Spatial Reference System (NSRS) using CORS Station _____.

e. The natural meanders of the line of mean high water (MHW) form the true bounds of ATS No. 1700. The approximate line of MHW, as shown, is for area computations only, with the true corners being on the extension of the side lines and their intersection with the natural meanders.

f. A note shall be placed on the plat stating either:

Mean high tide was determined by time coordinated tidal observations on month day year as extrapolated from the NOAA Publication for the predictions of high and low waters for (year).

or

Mean high tide was determined from _____ tidal bench mark on month day year from data supplied by NOAA.

g. The tidal datum information used shall be shown on the plat in a manner similar to the following:

Tidal Station Name	Lat/Long
MHHW	X.XX'
MHW	X.XX'
MLW	X.XX'
MLLW	X.XX'

(19) Both record and found bearings and distances shall be shown on the plat. In the event there are two sets of record data that of the latest plat of record will be shown with the plat nomenclature indicated. If record lines are not retraced or resurveyed but are used to compute closure, record monumentation along these lines must also be indicated.

(20) The exact marks on all monuments recovered and set must be shown on the plat with data pertaining to bearing trees and/or monument accessories established.

(21) All easements and rights-of-way shall be shown graphically on the plat in lieu of a "note" whenever possible to do so. This requirement applies to all easements and rights-of-way including those to and along public water bodies and shore lands.

(22) The plat shall show the upland land status, record survey lines, and an indication of whether or not the adjacent tidelands are occupied or unoccupied. If adjacent tidelands are occupied, the tideland survey number(s) must be depicted. Indicate all water body names adjacent to the survey.

(23) The current Division of Mining, Land and Water title block shall be placed in the lower right-hand corner of each sheet of the plat, and labeled as follows:

<table>
<tr><td colspan="2">DATE OF SURVEY
Beginning: mm/dd/yyyy
Ending: mm/dd/yyyy</td><td>SURVEYOR
(Name)
(Address)
Xxxxx Xxxxx, AK. XXXXX</td></tr>
<tr><td colspan="3">STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND AND WATER
ANCHORAGE, ALASKA</td></tr>
<tr><td colspan="3">ALASKA TIDELAND SURVEY NO. 1700</td></tr>
<tr><td colspan="3">CREATING TRACTS A AND B
AND THE
REPLAT OF ATS NO. 1362

LOCATED WITHIN
PROTRACTED SECTIONS 22 AND 23
TOWNSHIP 40 SOUTH, RANGE 65 EAST,
COPPER RIVER MERIDIAN, ALASKA

CONTAINING XX.XX ACRES

JUNEAU RECORDING DISTRICT</td></tr>
<tr><td colspan="2">DRAWN BY: ___
DATE: _____</td><td>APPROVAL RECOMMENDED

_____
STATEWIDE PLATTING SUPERVISOR
DATE</td></tr>
<tr><td>SCALE
1" = XX'</td><td>CHECKED
(Initials)</td><td>FILE NO.
ATS 1700</td></tr>
</table>

PLAT REVIEW PROCESS

Upon completion of the field survey and prior to submittal of the plat to a borough or municipal platting authority (if applicable), two blueline copies of the plat shall be submitted, with the

applicable fee, to the Department of Natural Resources for review. A copy of the final platting board conditions of approval or meeting minutes, and filing fees, will be required with submittal of the final plat.

Legible, annotated copies of all field notes and computations, a sketch showing traverse point relationships, and photographs or legible rubbings of monuments recovered and established must accompany the first plat submittal. For plats where the basis of coordinates is derived from GPS observations and not from monuments of record, recordable copies of the "NGS OPUS Solution Report" and "GPS Station Observation Log" must accompany plat submittal.

The Checked box shall be initialed by hand, by the surveyor, prior to submittal of the preliminary plats for review.

In accordance with 11 AAC 05.010(a)(13), plat review fees are $200 for the first parcel or tract, and $50 for each additional parcel or tract, with the second review at no charge. Third review and each additional review fees are $300 each for the first parcel or tract per plat, and $100 for each additional parcel or tract per plat. Please remit a check or money order payable to the Department of Natural Resources along with the first plat submittal, and if necessary the third and each additional submittal.

FINAL MYLAR PLAT SUBMITTAL

Along with the final plat mylar, a *dxf (drawing exchange format) or *dwg (AutoCAD drawing format) file in standard media electronic format (CD, or DVD) shall be submitted. In lieu of a disk, the surveyor may make the drawing available through a FTP site on the internet or by e-mail attachment.

The submitted drawing shall contain a special layer named "DNR". The following specifications apply only to the "DNR" layer; other layers need not be altered. The "DNR" layer must be in model space and not paper space when the submitted drawing is opened in AutoCAD. The "DNR" layer shall show the surveyed lines, interior lot/tract lines as well as the exterior boundary, the tie to the basis of bearing and the tie to the basis of coordinates. The basis of coordinates shall be labeled with its name/identifier, geographic coordinate values and datum. All parcels must close with lines having clean snapped intersections, with no overshoots or undershoots; snapped lines that close are preferred over polygons. On the "DNR" layer, do not include extraneous text (area, title block, bearings or distances, details, etc) other than the labels for the basis of bearing and the basis of coordinates.

The plat filing fee is $20.00 for the first sheet and $5.00 for each additional sheet.

MODIFICATION OF INSTRUCTIONS

Should conditions arise appearing to require additional instructions or interpretation of these instructions, or which make these instructions inoperable, a report shall be submitted promptly to the Survey Section Chief describing the situation and making recommendations for its resolution.

In the event that the survey is not completed, these instructions will become void at 5:00 p.m., AST, two years from the date of approval. Survey Instructions may only be extended once after their original issuance. A written request for an extension with justification and applicable fee is required.

Prepared by: Pat Green
Land Surveyor I

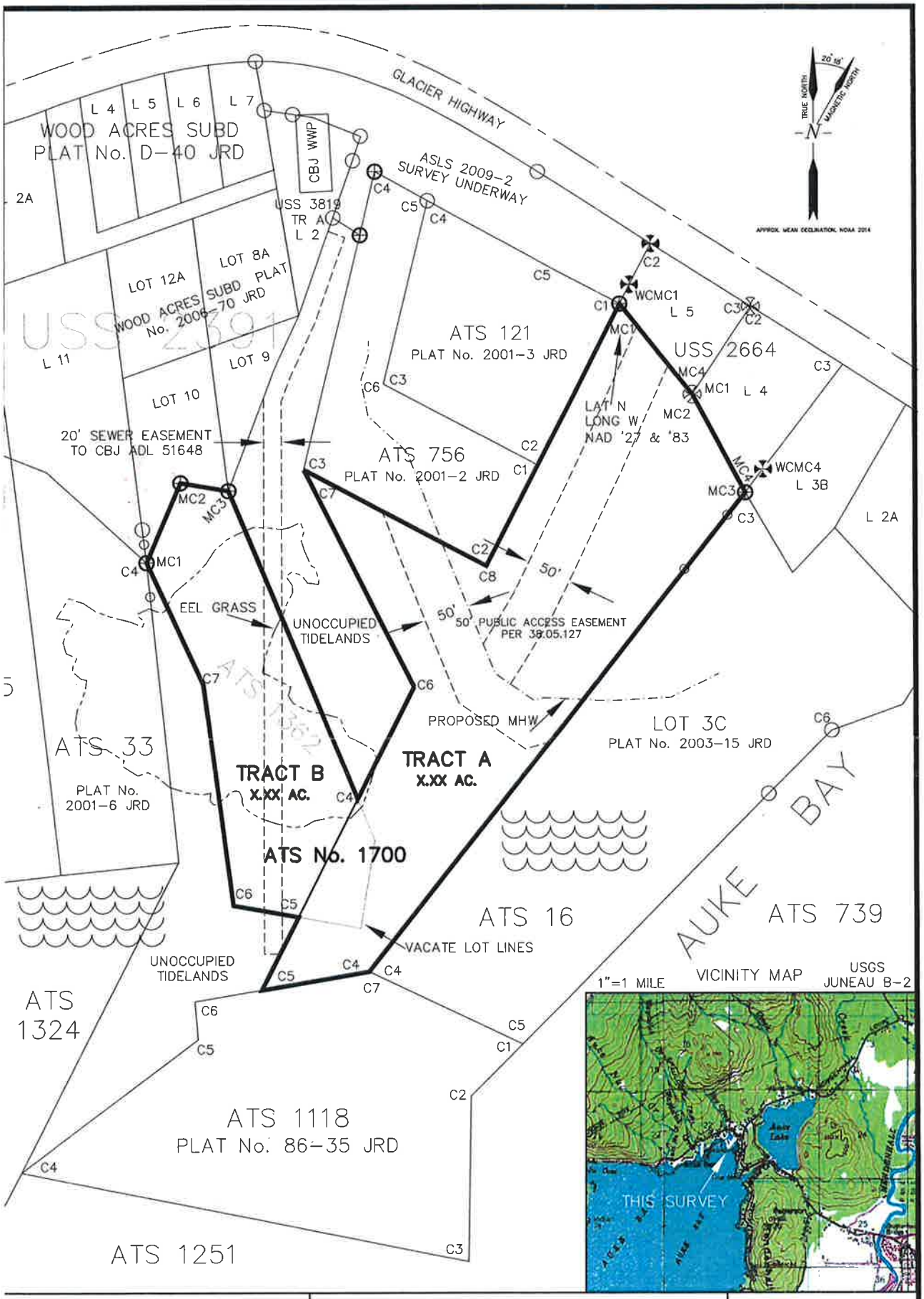
Approved by: G. Larry King, PLS, SR/WA, CFedS
Statewide Platting Supervisor

Date: 5/12/14

GLK: PG: pg

Enclosures:
Plan of Survey
Preliminary Decision
Final Finding and Decision
Legal Description Document
ADL No. 51648, Right of Way Permit, and First Amendment to ADL 51648
Alaska Tideland Surveys

cc: Lee Cole, SERO, DML&W
Survey Tracking & Monitoring: ADL No. 107932 (Case Type 316, Subtype 0046)



PLAN OF SURVEY
ATS No. 1700
ADL No. 107932

LOCATED WITHIN PROTRACTED SECTIONS 22 AND 23
TOWNSHIP 40 SOUTH, RANGE 65 EAST
COPPER RIVER MERIDIAN

LEGEND:

- GLO/BLM MONUMENT TO BE RECOVERED/RESET
- GLO/BLM MONUMENT OF RECORD
- PRIMARY MONUMENT TO BE RECOVERED/RESET
- PRIMARY MONUMENT TO BE SET
- PRIMARY MONUMENT OF RECORD
- SECONDARY MONUMENT OF RECORD

SCALE: 1"=100'

DRAWN: PG

DATE: 5/6/2014

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER
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