

From: [Nagel, Peter C.](#)
To: [Spco Records](#)
Cc: [Delgado-Plikat, Jodi L \(DNR\)](#); [Brown, Stanley C \(DNR\)](#)
Subject: TAPS, Emergency Flood Response at Milepost 785.2
Date: Tuesday, November 3, 2020 5:49:30 PM
Attachments: [MP785LoweRemergencyFloodResponseNarr20.pdf](#)
[785R0720-MC-PRELIM_200908_AERIAL.pdf](#)

APSC Letter No. 45942

Anthony Strupulis, P.E., State Pipeline Coordinator
Alaska Department of Natural Resources
State Pipeline Coordinator's Section
550 West 7th Avenue, Suite 1100
Anchorage, Alaska 99501

RE: Trans-Alaska Pipeline System, Pipeline Milepost 785.2
Land Description Modification for Right-of-Way Lease, ADL 63574
Bank Stabilization at Lowe River

Dear Mr. Strupulis:

Alyeska Pipeline Service Company, agent for the Trans Alaska Pipeline System lessees, hereby applies to modify the description of the TAPS facilities attached to the referenced lease to include lands needed to accommodate the subject new construction which was conducted under emergency conditions. Alyeska notified you of the situation on June 5th as crews mobilized to stop further erosion of lands in the right-of-way. A fish habitat protection permit, FH 20-SPO-0032, was issued October 22, 2020 to cover this same work.

The lands subject to this application are generally described as:

T. 9 S., R. 4 W. (Copper River Meridian)
_____ Section 33, those lands lying below
the line of Ordinary High Water,
adjacent to the TAPS right-of-way
and Alaska State Cadastral Survey no. 98-30,
comprising approximately 0.82 acres

Attached as part of this application are a permit narrative and an as-built drawing showing the proposed right-of-way addition. ADNRSurvey is copied to begin the As-built/Record of Survey review. The drawing also depicts the stabilization improvements on the uplands owned by the City of Valdez, and it is being submitted to the City also.

Please contact me at 787-8170 if we can provide additional information.

Sincerely,
Pete Nagel

Peter C. Nagel, SR/WA

Lands Manager, Alyeska Pipeline Service Company
3700 Centerpoint Drive (P.O. Box 196660) Anchorage, Alaska 99519
Phone: 907.787.8170 (FORWARDED) Fax: 907.787.8337
E-mail: peter.nagel@alyeska-pipeline.com

Emergency Response at Pipeline Milepost 785.2, Lowe River Bank Erosion (November 2020)

On the night of June 4th, the river eroded the remaining buffer, about fifty feet wide, between the pipeline workpad and river. TAPS engineers and civil maintenance personnel had been monitoring the situation since last Fall and had recently started to mobilize equipment to place large Rip Rap along the northerly (riverside) edge of the pipeline workpad. The sudden buffer loss was due to the river braid adjacent very recently changing its trajectory resulting in 100' of buffer lost in two days. Prior to that, seasonal inundation of the workpad by high, but non-erosive, river water was occurring. The pipeline is buried approximately 10 feet deep on the side of the workpad opposite from the river.

On June 5th, to mitigate further erosion and the potential exposure of the buried pipe, TAPS crews accelerated the mobilization to place up to 2,000 cubic yards of riprap along the eroded bank. Approximately 300 feet of bank was armored and an upstream key-in installed on grade in the non-wetland uplands. Subsequently, the work included building short spur dike/groins to provide protection to the mainline pipe and right-of-way. In addition, the workpad elevation was built up and sills were constructed. Access to the site was via existing TAPS access road 4 PL-1 and the pipeline workpad including the Browns Creek ford.

Only the excavator bucket was in contact with water of the Lowe River. Other equipment included front-end loaders, backhoes, bulldozers, compactors, and trucks. Existing vegetation on the bank was left undisturbed as much as possible, and changes to the slope were graded so that fish entrapment was not likely to result. Fish passage was continuously maintained for the duration of the work. Seeding and fertilizing was done in accordance with MR-48 guidelines. No fueling of equipment occurred on the active floodplain. Equipment was cleaned of all excess grease and oil prior to the start of the work and inspected regularly to prevent potential spills. Appropriate spill response equipment was maintained on site during construction. The work is complete.

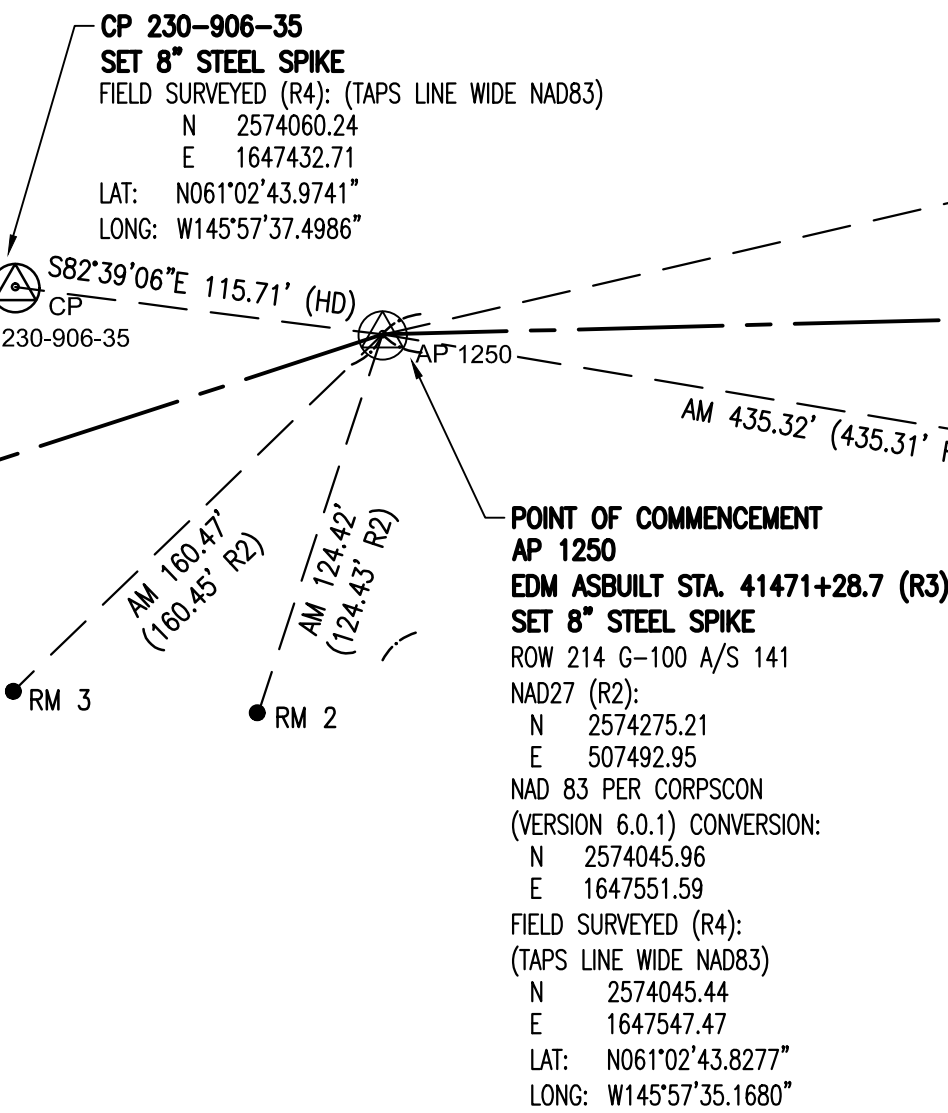
LEGEND		
EXISTING TAPS ROW BOUNDARY LINE	----	ANGLE POINT
CENTERLINE OF TAPS PIPELINE ROW	=====	CONTROL POINT
TAPS ROW ADDITION PARCELS	=====	STATION
TIE LINE TO REFERENCE MONUMENT	-----	LAT:
ORDINARY HIGH WATER LINE / FIXED AND LIMITED BOUNDARY	----	LONG:
TOP/TOE OF REVEITEMT	-----	DIRECTION OF FLOW
PROPERTY LINE	-----	HORIZONTAL DISTANCE
SECTION LINE	-----	REFER TO REFERENCE DOCUMENTS
NEW RIPRAP WITH GRAVEL FILLED VOIDS	=====	REFERENCE MONUMENT
TAPS ANGLE POINT MONUMENT	⊙	ROW
TAPS CONTROL POINT MONUMENT	⊙	TRANS-ALASKA PIPELINE SYSTEM
POSITION OF NEW RIGHT OF WAY ADDITION - SET SPIKE NAIL THIS SURVEY	⊙	AS MEASURED DISTANCE
FOUND MONUMENT, AS DESCRIBED	⊙	TOWNSHIP # SOUTH
TAPS SURVEY REFERENCE MONUMENT (FOUND OR SET)	⊙	RANGE # WEST
	⊙	COPPER RIVER MERIDIAN

BASIS OF BEARINGS
BASIS OF BEARINGS FOR THIS PROJECT IS THE CENTERLINE OF THE TRANS-ALASKA PIPELINE RIGHT OF WAY BETWEEN FOUND ANGLE POINT (AP) 1249 AND SET ANGLE POINT (AP) 1250 BEING S88°30'22"W WITH A DISTANCE OF 4,015.83' (NAD 83 - ALASKA STATE PLANE, ZONE 3) AND ALL BEARINGS SHOWN ARE RELATIVE TO THE BASIS OF BEARING.

SURVEYOR'S CERTIFICATE
I, VERNEN KALANI LEE, 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 SHOWN ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PRELIMINARY

VERNEN KALANI LEE, PLS 13318, CFedS 1441
Date: August XXth, 2020
Job No.: 65320474-PO
For and on behalf of Merrick & Company
Telephone No. (907) 450-7617 Email: vern.lee@merrick.com



- REFERENCE DOCUMENTS USED**
- TRANS-ALASKA PIPELINE MONUMENTATION SURVEY, ALSO KNOWN AS "TAPS AL-00-G101" SHEET 141 OF 143, PREPARED AND PUBLISHED BY OCEAN TECHNOLOGY LTD IN DECEMBER, 1978. RECORDED IN PLAT BOOK 81-1 IN THE ANCHORAGE RECORDING DISTRICT.
 - TRANS-ALASKA PIPELINE RIGHT OF WAY 214 BOUNDARY REPORT, VOLUME 12, A/S 131 TO A/S 143, G-100 ALIGNMENT SHEET 141. ALSO KNOWN AS "ROW-214-141". COPYRIGHT 1997, 2004 BY ALYESKA PIPELINE SERVICE COMPANY.
 - TRANS-ALASKA PIPELINE MAINLINE AS-BUILT SURVEY DATA (EDM) WITH A RUN DATE OF APRIL 19, 2018 BY ALYESKA PIPELINE SERVICE COMPANY.
 - FIELD SURVEY PERFORMED BY MERRICK & COMPANY WITH GPS RTK TECHNOLOGY: DOCUMENTED ON 7/10/2020 THRU 7/12/2020 IN FIELD BOOK 230-906 AT PAGES 35-38 ON 8/03/2020 IN FIELD BOOK 230-906 AT PAGE 49 ON X/XX/2020 THRU X/XX/2020 IN FIELD BOOK XXX-XXX AT PAGES XX-XX.
 - TRANS-ALASKA PIPELINE MILEPOST 779.3 "RECORD OF SURVEY, BANK EROSION CONTROL STRUCTURE AT LOWE RIVER" DATED AUGUST 30, 2019.
 - DEPARTMENT OF NATURAL RESOURCES, DIVISION OF MINING AND LAND AND WATER, STATE OF ALASKA "ALASKA STATE CADASTRAL SURVEY NO. 98-30" FILE NUMBER ASC5980030, DATED AUGUST 25, 2016, RECORDED IN THE VALDEZ RECORDING DISTRICT AT PLAT 2016-7.

NGS OPUS SOLUTION NAD83 COORDINATE RESULTS:

WELD "12182" WAS OCCUPIED FOR THIS OPUS SOLUTION PROCESS ON JULY 11TH, 2020.

WELD "12182"
N= 2574094.22 E= 1649482.59
LAT: N61°02'44.29475" LONG: XXXX

ANGLE POINT (AP 1249)
N= 2574149.08 E= 1651561.15
LAT: N61°02'44.81715" LONG: W145°56'13.64499"

ANGLE POINT (AP 1250)
N= 2574046.01 E= 1647547.25
LAT: N61°02'43.83328" LONG: W145°57'35.17238"

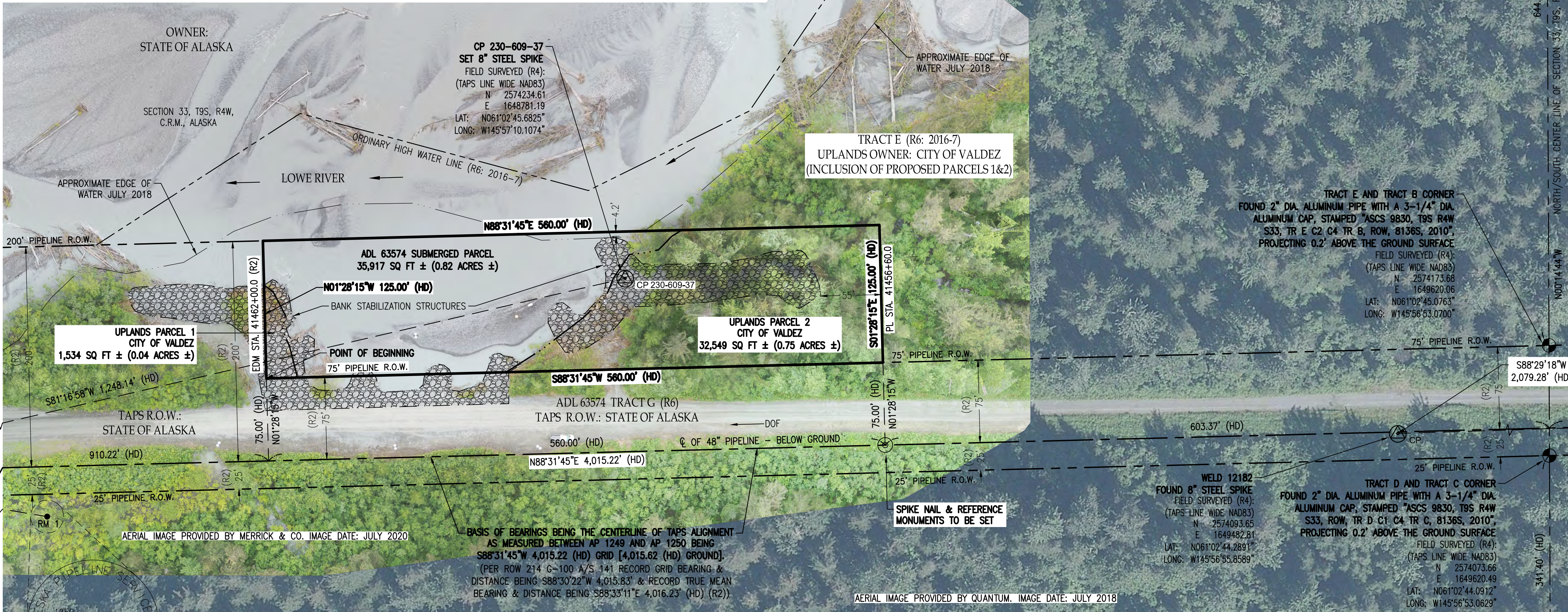
NEW R.O.W. POSITION FOR R.O.W. ADDITION
N= XXXX E= XXXX
LAT: XXXX LONG: XXXX

RIGHT OF WAY ADDITION DESCRIPTION
A PARCEL OF LAND LOCATED IN SECTION 33, TOWNSHIP 9 SOUTH, RANGE 4 WEST OF THE COPPER RIVER MERIDIAN, STATE OF ALASKA BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT ANGLE POINT 1250 OF THE TRANS-ALASKA PIPELINE RIGHT OF WAY, WHENCE ANGLE POINT 1249 BEARS S88°31'45"W A DISTANCE OF 4,015.22 FEET;
THENCE S88°31'45"W ALONG THE CENTERLINE OF SAID TRANS-ALASKA PIPELINE A DISTANCE OF 910.22 FEET;
THENCE S01°28'15"E A DISTANCE OF 75.00 FEET TO THE **POINT OF BEGINNING**;

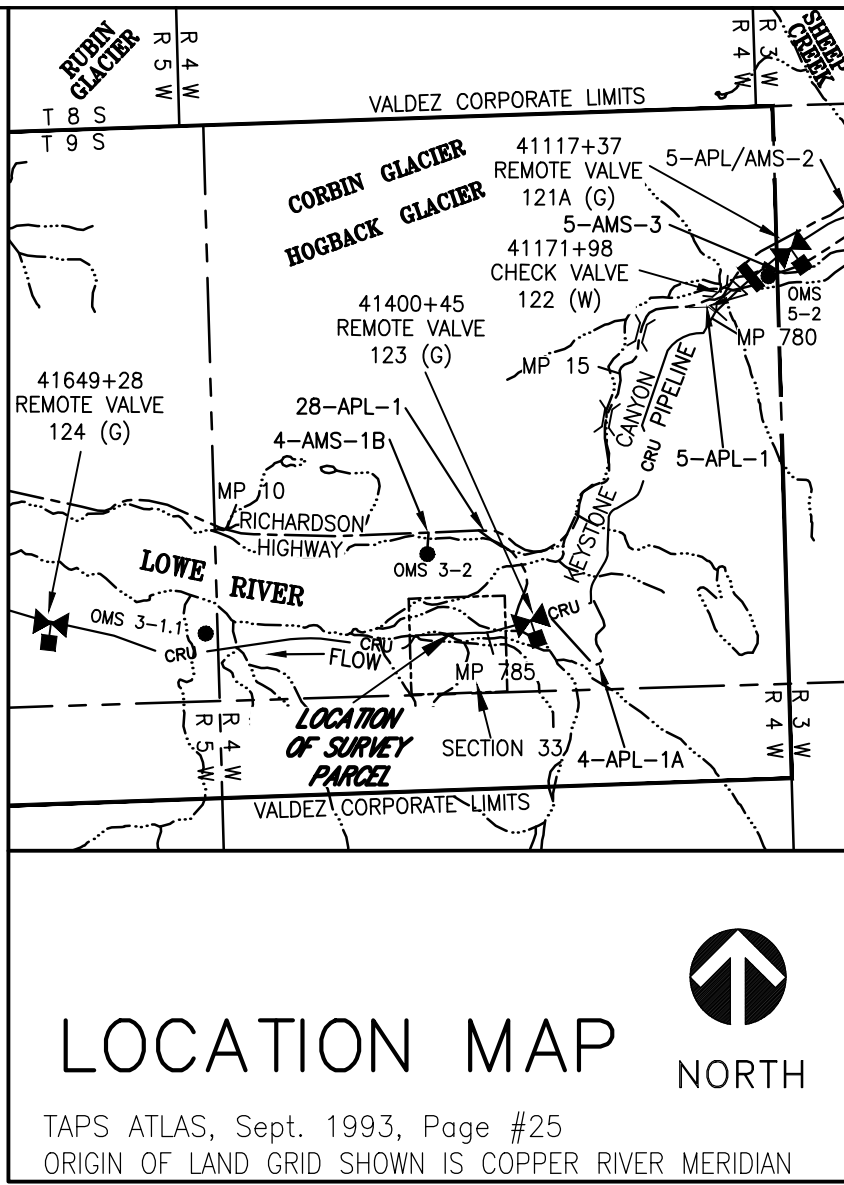
THENCE N01°28'15"W ALONG THE EASTERLY RIGHT OF WAY LINE OF SAID TRANS-ALASKA PIPELINE A DISTANCE OF 125.00 FEET;
THENCE N88°31'45"E ALONG A LINE ONE HUNDRED TWENTY-FIVE (125.0) FEET NORTHERLY OF AND PARALLEL WITH THE NORTHERLY RIGHT OF WAY LINE OF SAID TRANS-ALASKA PIPELINE A DISTANCE OF 560.00 FEET;
THENCE S01°28'15"E ALONG A LINE FIVE HUNDRED SIXTY (560.0) FEET EASTERLY OF AND PARALLEL WITH SAID EASTERLY RIGHT OF WAY LINE OF THE TRANS-ALASKA PIPELINE A DISTANCE OF 125.00 FEET;
THENCE S88°31'45"W ALONG SAID NORTHERLY RIGHT OF WAY LINE OF THE TRANS-ALASKA PIPELINE A DISTANCE OF 560.00 FEET TO THE **POINT OF BEGINNING**;

CONTAINING 70,000 SQUARE FEET (1.61 ACRES), MORE OR LESS.



PRINT DATE: 09/08/2020

- NOTES**
- HISTORY: THIS AS-BUILT RECORD OF SURVEY REPRESENTS A POST-CONSTRUCTION SURVEY OF A RIGHT OF WAY LEASE AMENDMENT TO ADL 63574 PARCEL ADDITION, A RIGHT OF WAY LEASE FOR THE TRANS-ALASKA PIPELINE SYSTEM. THE RIGHT OF WAY AMENDMENT WAS INITIATED IN 2020 FOR THE INSTALLATION OF TAPS APPURTENANCES OUTSIDE THE PRIOR RIGHT OF WAY BOUNDARIES ON STATE LANDS.
 - POST-CONSTRUCTION STATEMENT: THIS AS-BUILT IS INTENDED TO DEPICT THAT PORTION OF THE AMENDED RIGHT OF WAY LEASE AS IT PERTAINS TO STATE LAND AND IS NOT TO BE PRESUMED TO PLAT OR DEDICATE THOSE PORTIONS PERTAINING TO NON-STATE LANDS. THIS AS-BUILT IS NOT INTENDED TO BE USED TO RE-ESTABLISH PROPERTY BOUNDARIES. EXCEPT AS INDICATED, NO ENCROACHMENTS EXIST WITHIN LEASED AREA.
 - RECORD OF SURVEY NOTE: THIS SURVEY DOES NOT CONSTITUTE A SUBDIVISION AS DEFINED BY A.S. 40.15.900 (5) (A).
 - THE BASIS OF COORDINATES IS WELD 12182 AS SHOWN HEREON. WELD 12182 POSITIONAL DATA WAS DERIVED FROM HIGH PRECISION TRIMBLE SURVEY EQUIPMENT. ALL COORDINATES SHOWN HEREON IS ALASKA STATE PLANE NAD 83, ZONE 3 FROM GPS STATIC PROCEDURES IN THE FIELD.
 - BASIS OF BEARING IS A GRID BEARING BASED BETWEEN THE FOUND ANGLE POINT 1249 AND SET ANGLE POINT 1250. FOR GRID BEARING, GRID DISTANCE AND GROUND DISTANCE SEE BASIS OF BEARING NOTE AND INFORMATION ON DRAWING. ALL MEASURED BEARINGS SHOWN ARE GRID, ASP ZONE 3, BEARINGS AND DISTANCES UNLESS OTHERWISE SPECIFIED.
 - ALL DISTANCES ARE ALASKA STATE PLANE ZONE 3, NAD 83 DISTANCES UNLESS OTHERWISE NOTED. TO ADJUST ALL DISTANCES TO HORIZONTAL GROUND DISTANCES, MULTIPLY ALL DISTANCES WITH A COMBINED SCALE FACTOR OF 1.00009961.
 - CONVENTIONAL CLOSURE: THE ERROR OF CLOSURE FOR THIS SURVEY IS NOT GREATER THAN 1:5000.
 - INFORMATION SHOWN HEREON WAS COMPILED FROM PROVIDED RECORD AND PROVIDED FIELD MEASUREMENT DATA AT MILE POST 785.16 TO 785.27 (STA. 41456+50.0 TO STA. 41462+00.0).
 - FIELD SURVEY PERFORMED BY MERRICK & COMPANY ON JUNE 10TH, 2020 THRU JUNE 12TH, 2020 WITH GPS RTK TECHNOLOGY. FIELD SURVEY INFORMATION DOCUMENTED IN FIELD BOOK 230-906 AT PAGES 35 THRU 38 AND IN FIELD BOOK 230-906 AT PAGE 49 AND IN FIELD BOOK XXX-XXX AT PAGES XX THRU XX.
 - THE ANGLE POINT RECORD BEARING AND DISTANCE SHOWN WERE PROVIDED IN THE TRANS-ALASKA PIPELINE MONUMENTATION SURVEY (AL-00-G-101, SHEET 141 OF 143, NAD27) RECORDED ON PLAT BOOK 81-1 IN THE ANCHORAGE RECORDING DISTRICT.
 - THE POSITION OF THE ANGLE POINTS SHOWN HEREON WERE FOUND BY USING ORIGINAL REFERENCE MONUMENT LOCATIONS. ANGLE POINT STATIONING SHOWN HEREON IS FROM EDM MAINLINE AS-BUILT SURVEY DATA RECORDS.



DATE OF SURVEY: BEGINNING: 07/10/2020 ENDING: XX/XX/20XX		SURVEYOR: MERRICK & COMPANY CALAIS OFFICE CENTER 1, 3201 C STREET, SUITE 105, ANCHORAGE, AK 99503	
STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF LAND AND WATER MANAGEMENT ANCHORAGE, ALASKA			
ALYESKA PIPELINE SERVICE COMPANY			
RECORD OF SURVEY DOC. TITLE: RS-TAPS LOWE RIVER			
GTE	1. ADL 63574 ADDITION 2. TAPS ADDITION PARCELS 3. PLMP 785.2 LOWE RIVER 4. BANK STABILIZATION REPAIRS 5. AS-BUILT SURVEY		
LOCATED WITHIN SECTION 33, TOWNSHIP 9 SOUTH, RANGE 4 WEST, COPPER RIVER MERIDIAN, ALASKA ANCHORAGE RECORDING DISTRICT			
DRAWN BY: ELZ DATE: 07/16/2020 SHEET 1 OF 1		DNR APPROVAL _____ STATEWIDE PLATTING SUPERVISOR _____ DATE _____	
SCALE: 1" = 60'		CHECKED: JAW/WKL	EPF NO. 2020XXXX