



Commander
Seventeenth Coast Guard District

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Juneau, Alaska 99802
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Email: Clinton.L.Scott@uscg.mil

July 26, 2019

PUBLIC NOTICE (17-02-19)

All interested parties are notified that the Commander, Seventeenth Coast Guard District has received an application from the Alaska Gasline Development Corporation (AGDC) for permits for six bridge crossings over navigable waterways of the United States. The bridges are part of the larger Alaska Liquefied Natural Gas Project (AKLNG).

WATERWAY(S) AND LOCATION(S):

- (1). Sagavanirktok River-Main Channel (Sag), mile 8.9, approximately 9.5 miles east of Deadhorse, Alaska (70.224550°N, -147.955285°W).
- (2). Tolovana River, mile 143.4, approximately 5 miles southwest of Livengood, Alaska (65.461173°N, -148.633068° W).
- (3). Nenana River, mile 74, approximately 5.5 miles southeast of Healy, Alaska (63.802267°N, -148.933318°W).
- (4). Middle Fork Chulitna River, mile 11.2, approximately 17 miles southwest of Cantwell, Alaska (63.211826°N, -149.326663°W).
- (5). East Fork Chulitna River, mile 8.3, approximately 19.8 miles southwest of Cantwell, Alaska (63.172206°N, -149.360919°W).
- (6). Doshka River, 8.9, approximately 10.6 miles northwest of Willow, Alaska (61.793293°N, -150.34713°W).

CHARACTER OF WORK: The applicant proposes to construct the AKLNG, an integrated liquefied natural gas (LNG) project with two interdependent facilities for the primary purpose of transporting liquefied natural gas from Alaska for export and also for in-state deliveries of natural gas. As part of the project, the applicant proposes to construct a design/build new, permanent pipeline bride across water crossing of an elevated pipeline spanning the Sag at a location along the 69-mile, 36-inch diameter gas line transmission line from the Point Thompson Unit and temporary design/build prefabricated steel vehicle bridges across five locations (as noted above) along the 807-mile, 42-inch main line.

PROPOSED MINIMUM NAVIGATIONAL CLEARANCES:

	<u>Horizontal Clearance</u> (at OHW)	<u>Vertical Clearance</u> (above OHW)
Sag River	20 feet	12 feet (OHW=9 feet)
Tolovana River	80 feet	10 feet (OHW=406 feet)
Nenana River	133 feet	12 feet (OHW=1377 feet)
Middle Fork Chulitna River	70 feet	8 feet (OHW=2020 feet)
East Fork Chulitna River	70 feet	8 feet (OHW=1901)
Deshka River	60 feet	18 feet (OHW=98 feet)

Ordinary High Water (OHW) = (NAVD88 DATUM)

ENVIRONMENTAL CONSIDERATIONS:

The lead agency for satisfying the requirements of the National Environmental Policy Act (NEPA) (40 CFR § 1506.11) is the Federal Energy Regulatory Commission (FERC). FERC acts on behalf of the Coast Guard for environmental laws with regard to this project.

A Draft Environmental Impact Statement (DEIS) was completed on June 28, 2019. This document contains all environmental data relevant to the proposed waterway crossings. The DEIS and the proposed permit will be available for review at the address indicated below, Monday through Friday from 8:00 a.m. to 3:00 p.m., except federal holidays.

The decision as to whether to grant approval of the location and plans for the proposed action rests primarily upon the effect it has on navigation.

SOLICITATION OF COMMENTS:

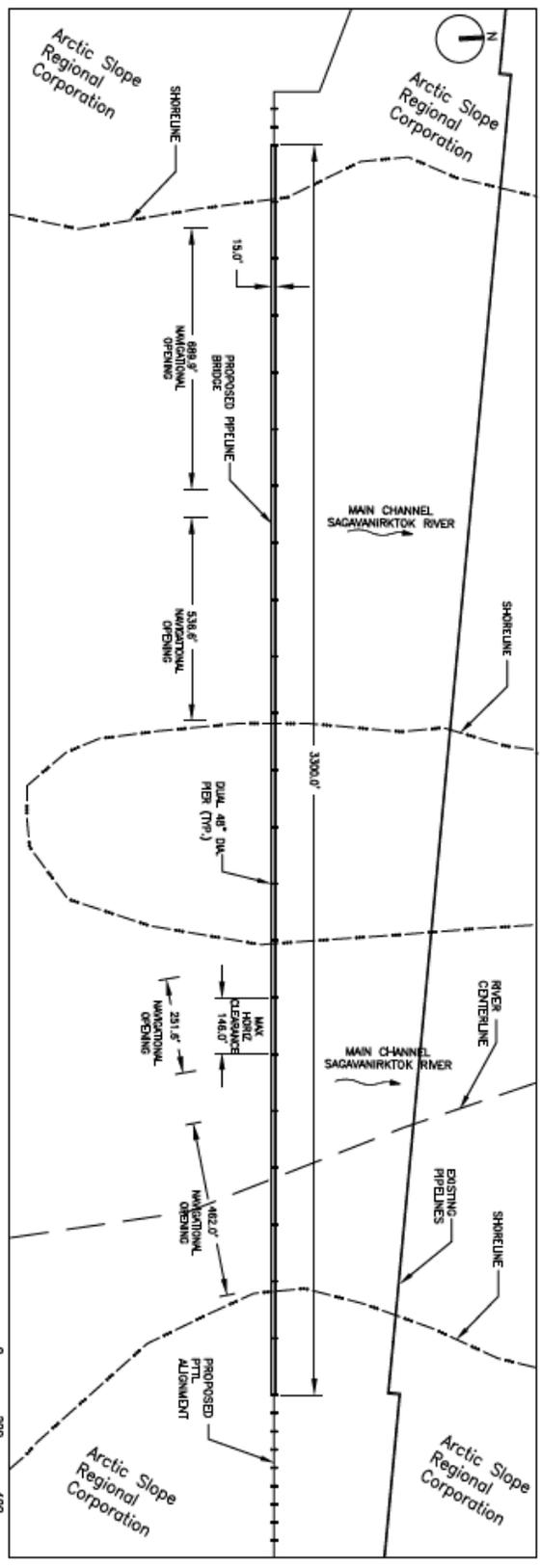
We request that mariners comment on the placement of a bridge protective system and other navigational safety issues, including the need for clearance gauges and extent of nighttime navigation passing through the bridge to determine the need for bridge lighting. Boat owners in the project vicinity are requested to provide information about their vessels including type of vessel, overall length, draft, beam, and height from the waterline to the highest fixed point. We request that this information be brought to the attention of any person having an interest in this who may not have received a copy of this public notice. Plans of the proposed project are included in this public notice

We will forward comments of an environmental nature to FERC for appropriate handling.

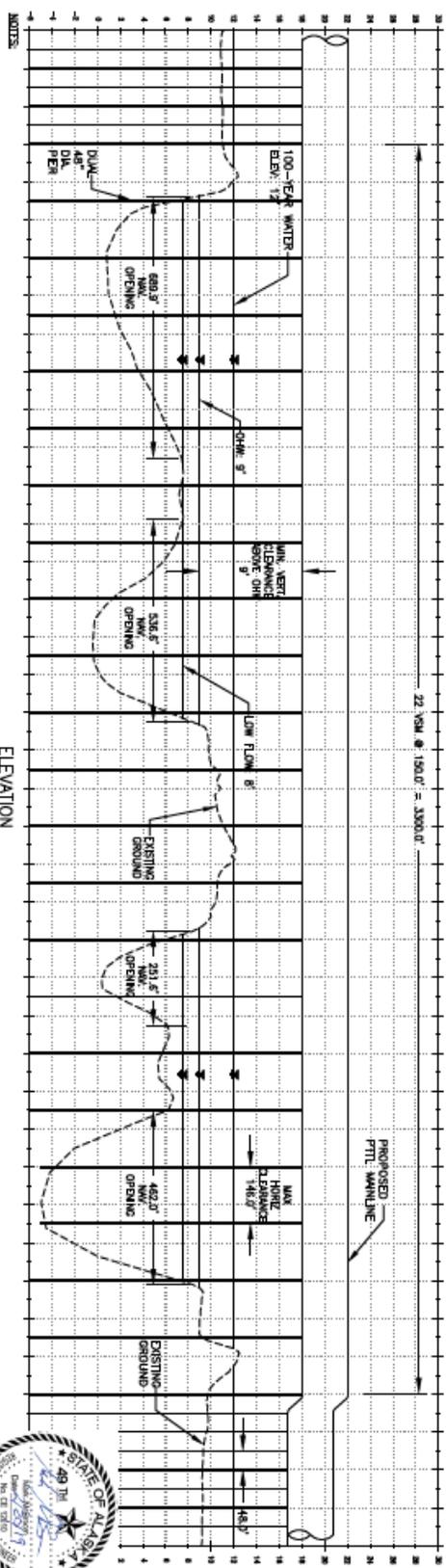
Interested parties are requested to express their views in writing on the proposed bridge project, giving sufficient detail to establish a clear understanding of their reasons for support of or opposition to the proposed work. Comments will be received at: Commander, Seventeenth Coast Guard District (dpw-bridges), P.O. Box 25517 Juneau, Alaska 99802, for a 30 day period from the date of the public notice. If you have any questions about the Coast Guard's consideration of the proposed bridge work and its effect on navigation, please contact Clint Scott at 907-463-2276.

“//s//”

JAMES HELFINSTINE
Bridge Program Administrator
Seventeenth Coast Guard District
By direction of the District Commander



PLAN



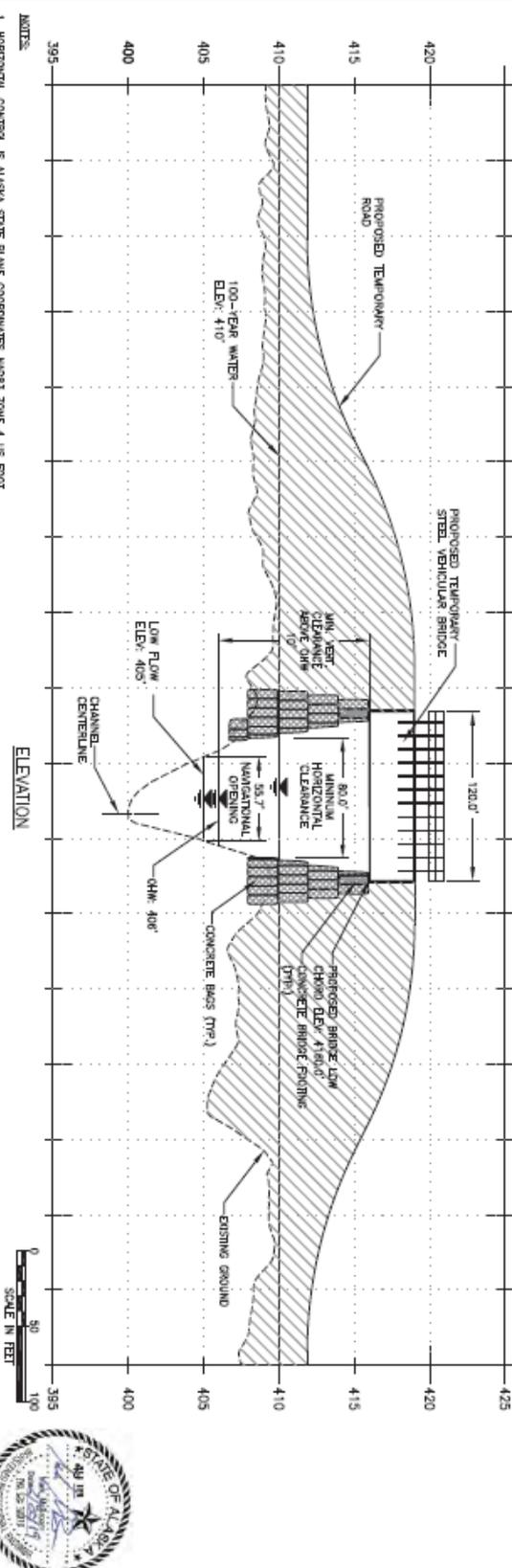
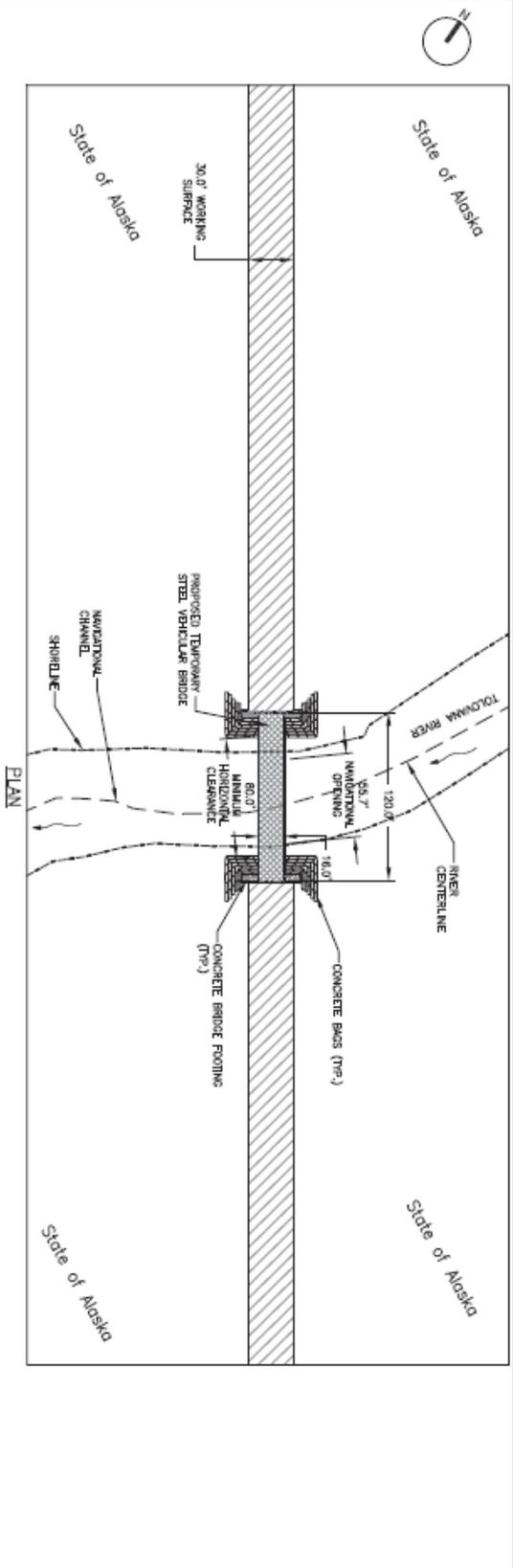
ELEVATION

- NOTES:
1. HORIZONTAL CONTROL IS ALASKA STATE PLANE COORDINATES NAD83 ZONE 4 US FOOT.
 2. VERTICAL CONTROL IS MANDS, FEET.
 3. BRIDGE DESIGN SPEED IS 15 MPH.
 4. CHANNEL HIGH WATER (OH) AND 100-YEAR WATER ELEVATIONS APPROXIMATED FROM GEOMORPHOLOGICAL CHARACTERISTICS AND HYDROLOGIC ANALYSIS.
 5. BRIDGE LOCATION:
 - E. 188904.30
 - N. 593937.15
 - LANE: N 70° 13' 28"
 - LANE: W 147° 57' 09"

THE ALASKA GASLINE DEVELOPMENT CORPORATION MICHAEL BAKER INTERNATIONAL ANCHORAGE, ALASKA	DRAWING BY: A. KORNBOY	STRUCTURE: SCALE: 2" = 10'-0"
	CHECKED BY: M. MARRIOTT	DATE: FEB 19, 2019
APPROVED BY: M. MARRIOTT	DATE: FEB 19, 2019	DEPARTMENT: BRIDGES

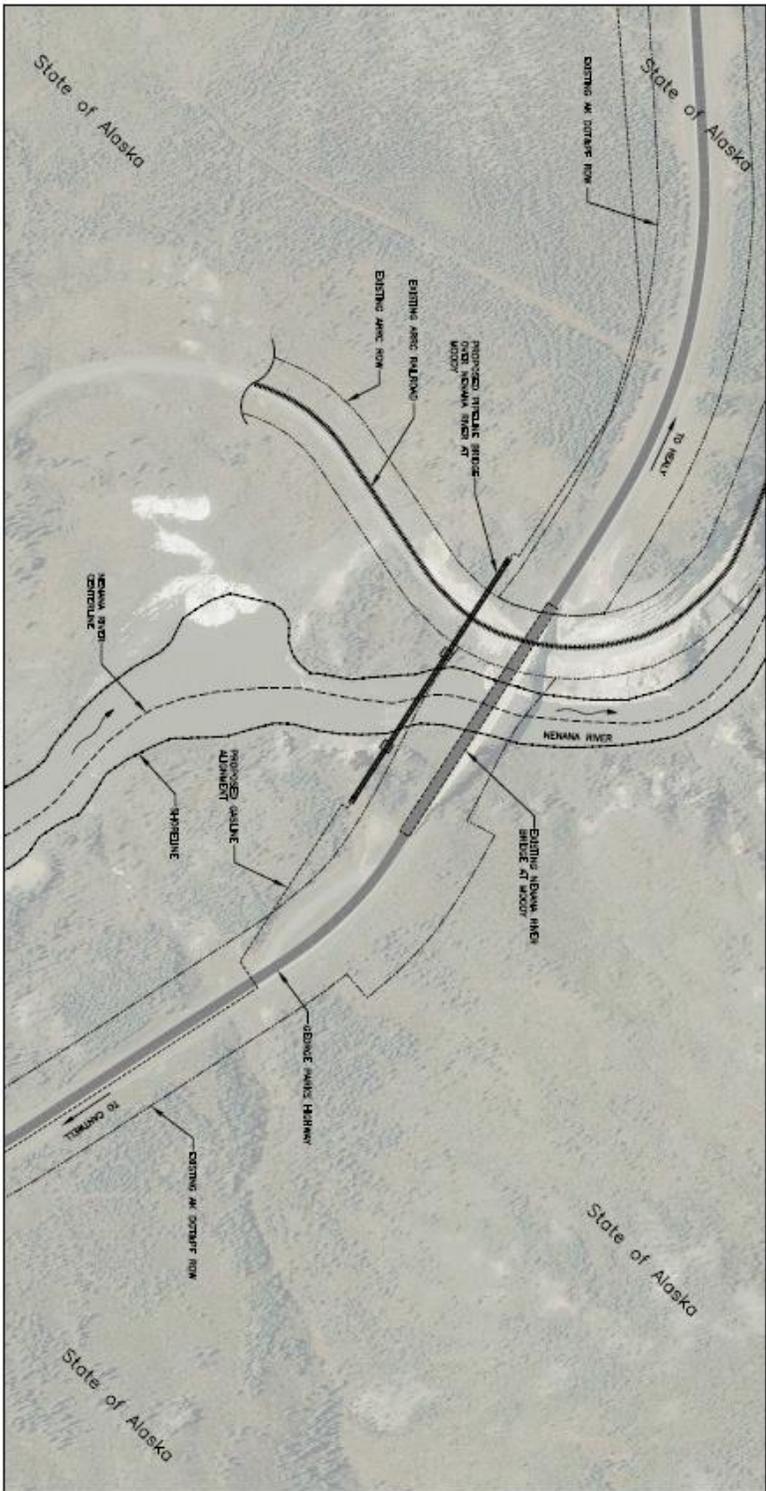
CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT	PROPOSED PIPELINE BRIDGE SAGAVANIRKTOK RIVER - MAIN CHANNEL (WPT181-B) PROJECT MP 42.98 BRIDGE PLAN AND ELEVATION	DRAWING NUMBER: SHEET 2 2 OF 2
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- NOTES:**
- HORIZONTAL CONTROL IS ALASKA STATE PLANE COORDINATES, MARS ZONE 4 US FOOT.
 - VERTICAL CONTROL IS NAVD83 FEET.
 - CONTROL ELEVATIONS ARE IN FEET.
 - CONCRETE HIGH WATER (CHM) AND 100-YEAR WATER ELEVATIONS APPROXIMATED FROM
 - BRIDGE LOCATION
- N 4109443.17
E 1848295.88
LAT: N 69° 27' 40"
LONG: W 148° 37' 09"

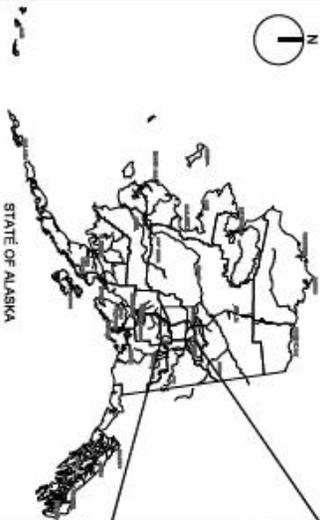
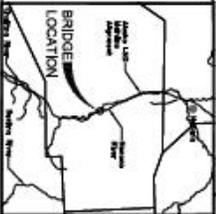
THE ALASKA GASLINE DEVELOPMENT CORPORATION MICHAEL BAKER INTERNATIONAL ANCHORAGE, ALASKA		DRAWN BY: [] CHECKED BY: [] DATE: []	STRUCTURE: [] SCALE: 2" AS SHOWN DATE: [] PROJECT NUMBER: 18875
CONCEPTUAL PLAN LINES TO GIVE AN IDEALIZED BRIDGE PLAN		PROPOSED BRIDGE TOLOVANA RIVER (WPC326) PROJECT MP 402.20 BRIDGE PLAN AND ELEVATION	
2 OF 2			



VICINITY MAP

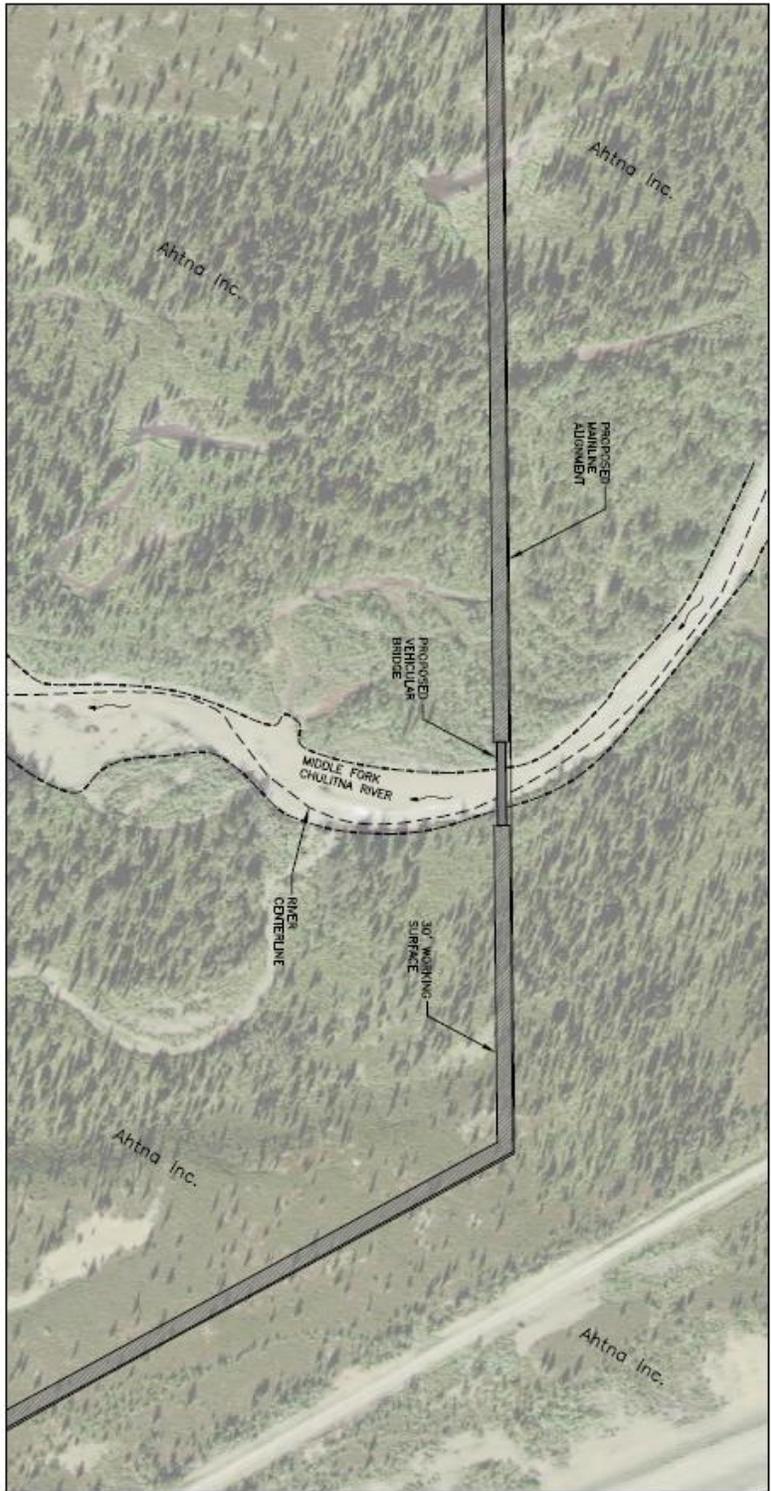


- NOTES:
1. HORIZONTAL CONTROL IS ALASKA STATE PLANE COORDINATES NAD83 ZONE 4 US FOOT.
 2. VERTICAL DATUM IS MANDAR, FEET.
 3. CONTOUR ELEVATIONS ARE IN FEET.
 4. ORDINARY HIGH WATER (OHW) AND 100-YEAR WATER ELEVATIONS APPROXIMATED FROM GEOMORPHOLOGICAL CHANNELSISTS AND HYDROLOGIC ANALYSIS.
 5. BRIDGE CENTERLINE:
 - N 58.83409.54
 - E 181.2444.21
 - LONG: W 148° 55' 59"
 - LAT: N 67° 48' 08"

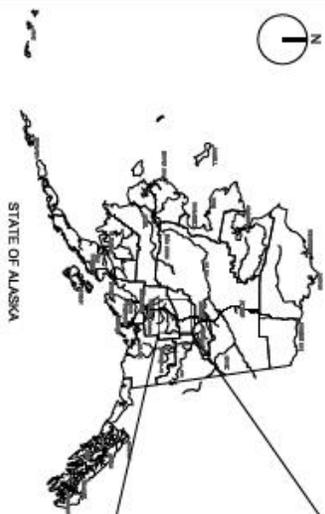
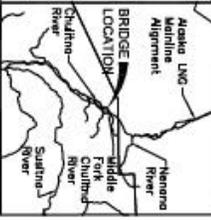


THE ALASKA GASLINE DEVELOPMENT CORPORATION MICHAEL BAKER INTERNATIONAL ANCHORAGE, ALASKA		PROJECT NO. 18878 SHEET NO. 1 DATE: FEB 15, 2018 DRAWN BY: AS SHOWN CHECKED BY: AS SHOWN APPROVED BY: AS SHOWN M. WISBROOM	STRUCTURE: PROPOSED PIPELINE BRIDGE SCALE: AS SHOWN DATE: FEB 15, 2018 JOB NUMBER: 18878	CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT PROPOSED PIPELINE BRIDGE AT NENANA RIVER #3 (MP C286-B) PROJECT MP 532.13 LOCATION AND VICINITY MAP	DRAWING NUMBER: 18878-001 SHEET: 1 OF: 2
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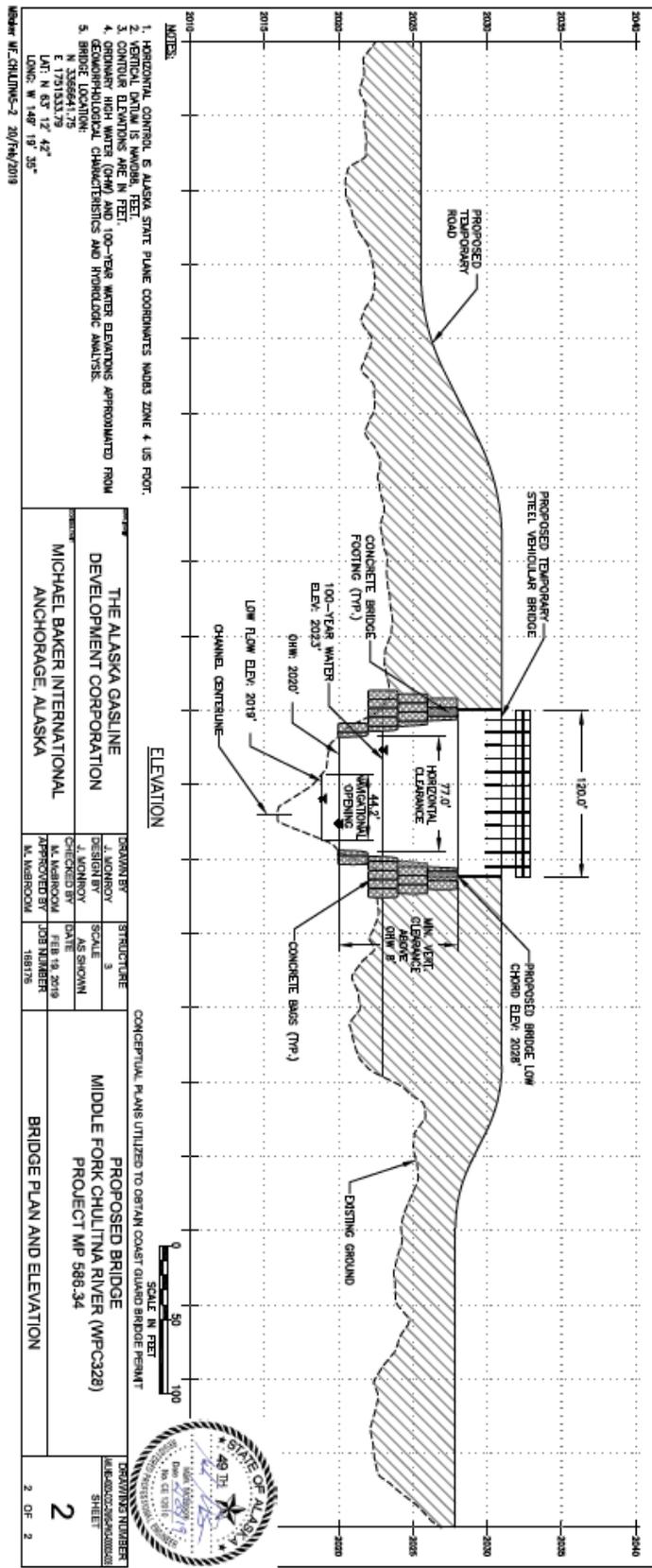
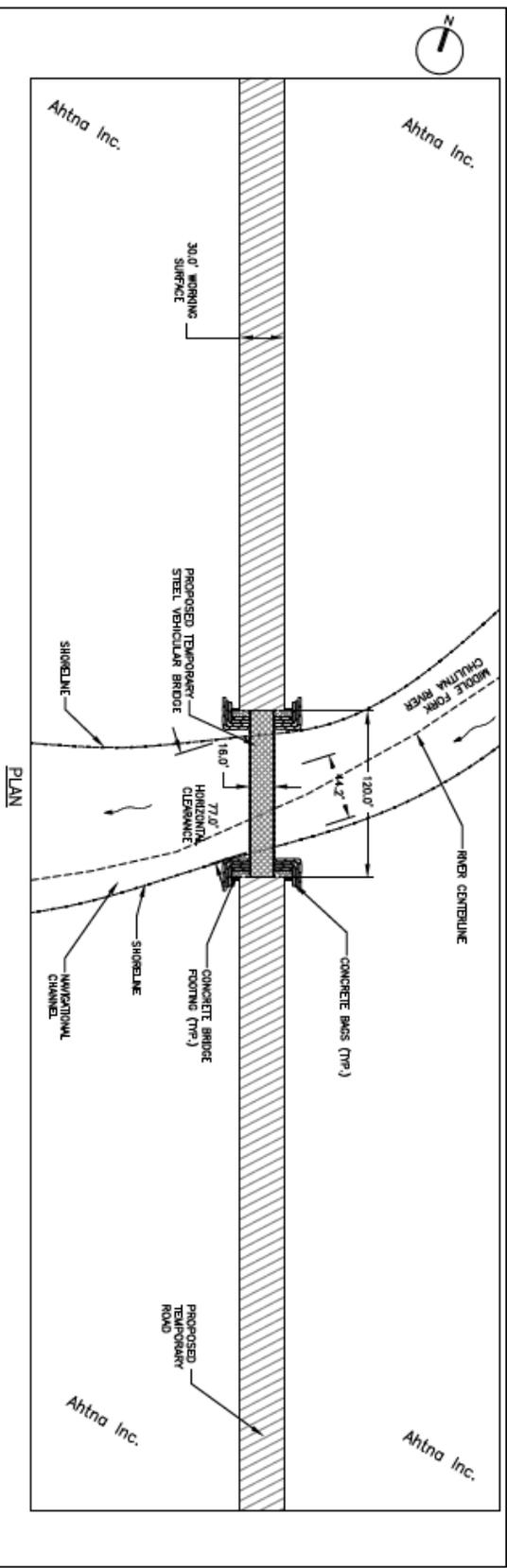
VICINITY MAP



- NOTES:
1. HORIZONTAL CONTROL IS ALASKA STATE PLANE COORDINATES NAD83 ZONE 4 US FOOT.
 2. VERTICAL DATUM IS MANDRA, FEET.
 3. CONTOUR ELEVATIONS ARE IN FEET.
 4. ORDINARY HIGH WATER (OHW) AND 100-YEAR WATER ELEVATIONS APPROXIMATED FROM
 5. GEOMORPHOLOGICAL CHARACTERISTICS AND HYDROLOGIC ANALYSIS.
- BRIDGE CENTERLINE
 N 154.209710° E
 E 1746025.13
 LAT: N 63° 10' 19"
 LONG: W 149° 21' 39"

THE ALASKA GASLINE DEVELOPMENT CORPORATION MICHAEL BAKER INTERNATIONAL ANCHORAGE, ALASKA	DESIGNER	SCALE	CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT PROPOSED BRIDGE MIDDLE FORK CHULITNA RIVER (WPC328) PROJECT MAP 586.34 LOCATION AND VICINITY MAP	DRAWING NUMBER 1 SHEET 1 OF 2
	DATE FEB 19 2019	AS SHOWN		
APPROVED BY JOE NUMBER	18878			





1. HORIZONTAL CONTROL IS ALASKA STATE PLANE COORDINATES NAD83 ZONE 4 US FOOT.
2. VERTICAL DATUM IS MVDORR, FEET.
3. CENTERLINE ELEVATIONS ARE IN FEET.
4. GEOMETRIC HIGH WATER (GHW) AND 100-YEAR WATER ELEVATIONS APPROXIMATED FROM
5. BRIDGE LOCATION.

DEVELOPER	DESIGNER	SCALE
THE ALASKA GASLINE DEVELOPMENT CORPORATION	STRUCUTURE	SCALE 3/8"=1'-0"
MICHAEL BAKER INTERNATIONAL ANCHORAGE, ALASKA	DATE	FEB 19 2019

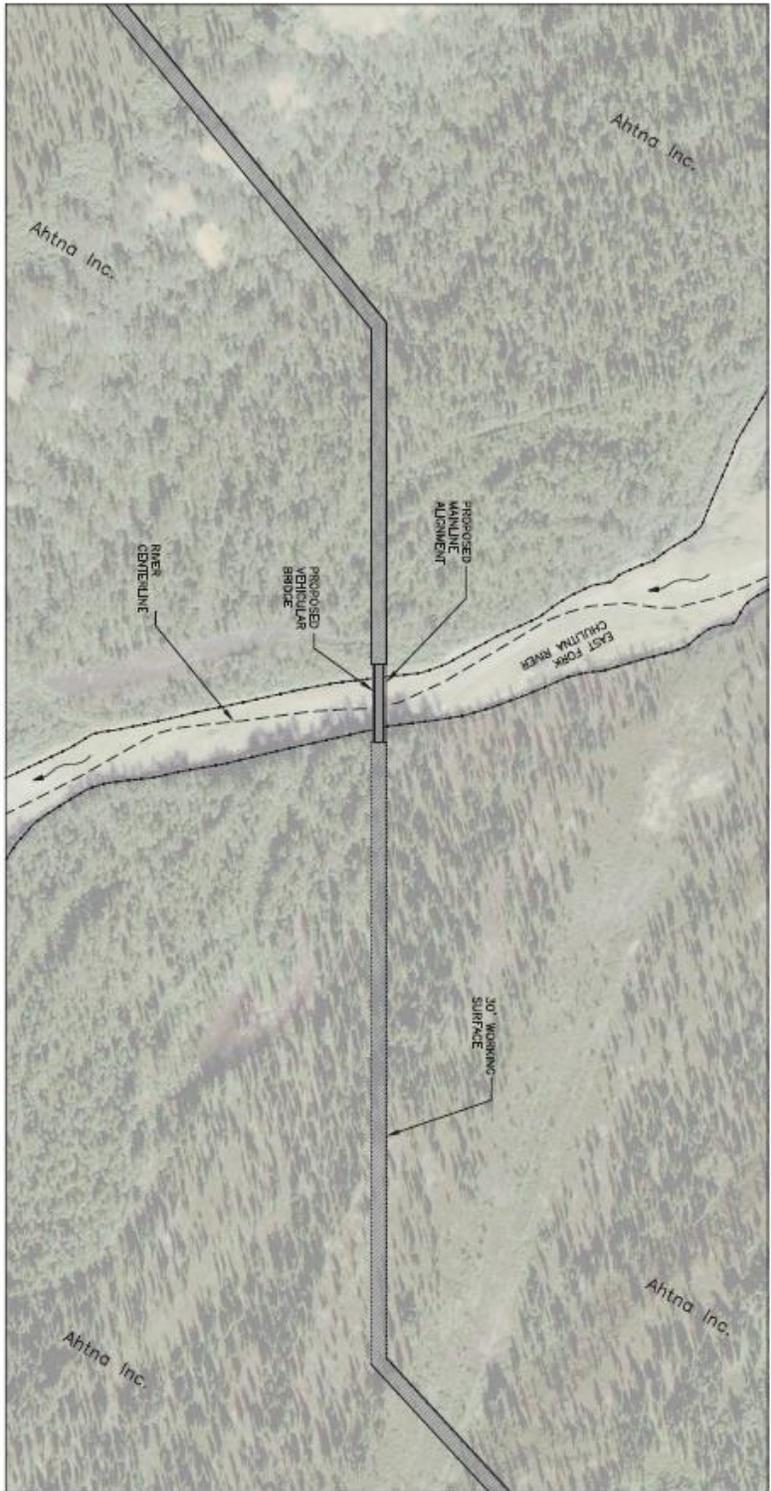
APPROVED BY	DATE
JOHN W. BAKER	FEB 19 2019

CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT

PROPOSED BRIDGE
MIDDLE FORK CHULITNA RIVER (WPC328)
PROJECT MP 586.34

BRIDGE PLAN AND ELEVATION

DRAWING NUMBER
SHEET
2 OF 2



VICINITY MAP

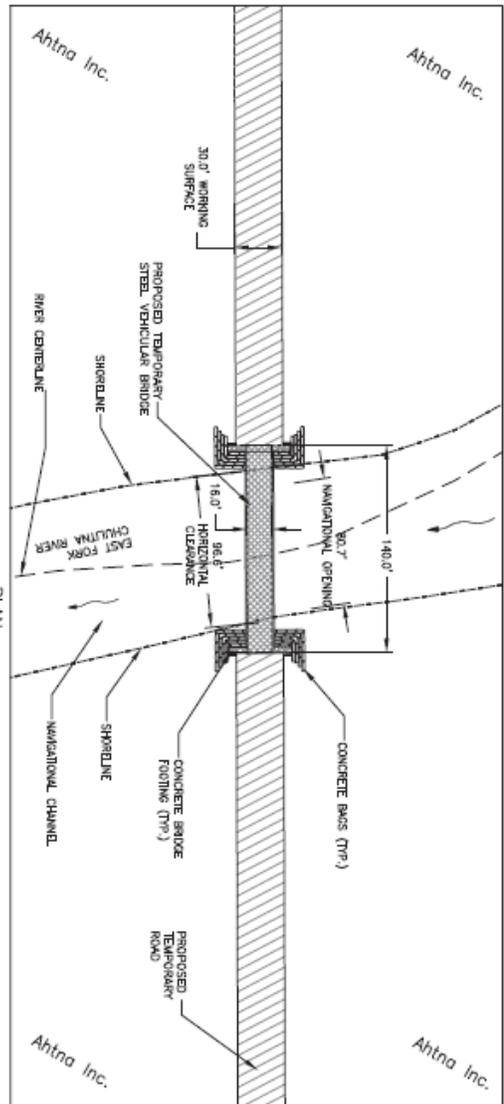


- NOTES:**
1. HORIZONTAL CONTROL IS ALASKA STATE PLANE COORDINATES NAD83 ZONE 4 US FOOT.
 2. VERTICAL CONTROL IS NAD83, FEET.
 3. DESIGN SPEED IS 30 MPH.
 4. DESIGNER HIGH WATER (DHW) AND 100-YEAR WATER ELEVATIONS APPROXIMATED FROM GEOMORPHOLOGICAL CHARACTERISTICS AND HYDROLOGIC ANALYSIS.
 5. BRIDGE LOCATION:
 E 1746023.13
 N 3352097.03
 LAT: N 03° 10' 19"
 LONG: W 149° 21' 39"

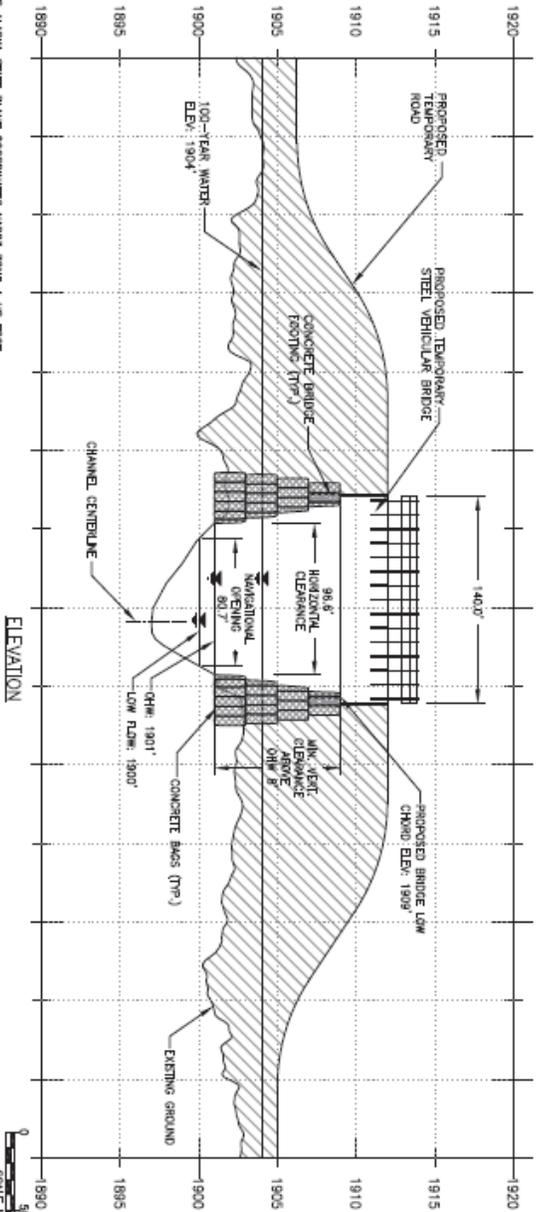
WBAW 02-CHULITNA-1 20/FH/2019

THE ALASKA GASLINE DEVELOPMENT CORPORATION MICHAEL BAKER INTERNATIONAL ANCHORAGE, ALASKA	DESIGNED BY	SCALE	CONCEPTUAL PLAN UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT PROPOSED BRIDGE EAST FORK CHULITNA RIVER (WPC330) PROJECT MAP 589.78 LOCATION AND VICINITY MAP	DRAWING NUMBER SHEET 1 1 OF 2
	CHECKED BY M. WILSON APPROVED BY M. WILSON	AS SHOWN DATE FEB 19 2019 JOB NUMBER 18875		





PLAN

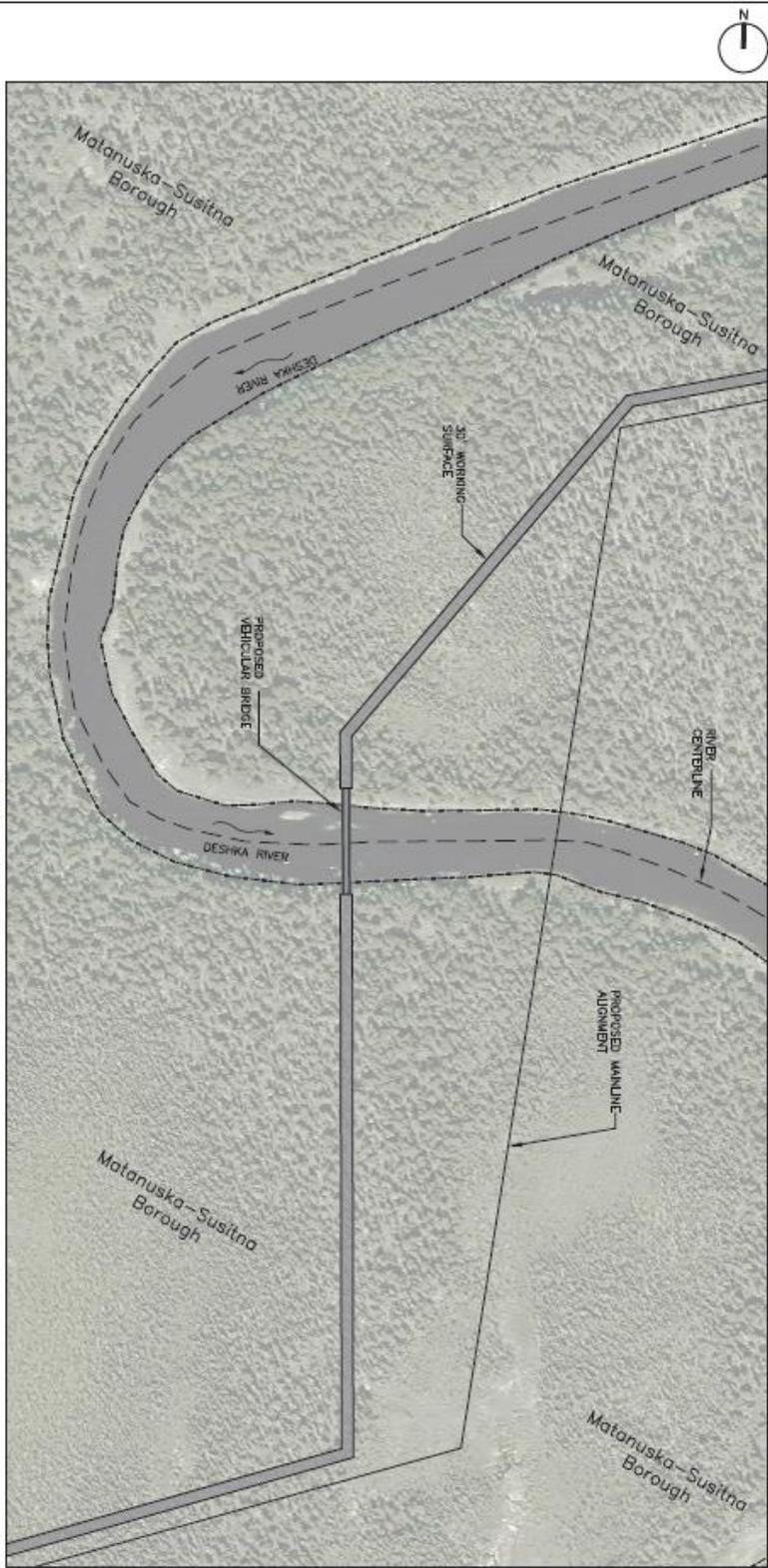


ELEVATION

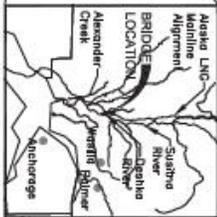


- NOTES:
1. HORIZONTAL CONTROL IS ALASKA STATE PLANE COORDINATES NAD83 ZONE 4 US FOOT.
 2. VERTICAL CONTROL IS MEAN SEA LEVEL FEET.
 3. CHANNEL CENTERLINE IS APPROXIMATE.
 4. ORDINARY HIGH WATER (OHW) AND 100-YEAR WATER ELEVATIONS APPROXIMATELY FROM GEOMORPHOLOGICAL CHARACTERISTICS AND HYDROLOGIC ANALYSIS.
 5. BRIDGE LOCATION:
 - E. 1746229.13
 - N. 3352097.03
 - DATE: N 83° 07' 18"
 - LONG: W 149° 21' 39"

THE ALASKA GASLINE DEVELOPMENT CORPORATION MICHAEL BAKER INTERNATIONAL ANCHORAGE, ALASKA		DESIGNER: ENGINEER: CHECKED BY: APPROVED BY: M. WARDROOM		STRUCTURE SCALE: DATE:		CONCEPTUAL PLAN: UTILITIES TO BE REMOVED TO ACCOMMODATE BRIDGE PIERING		EAST FORK CHULITNA RIVER (WPC330) PROJECT MAP 589.76 BRIDGE PLAN AND ELEVATION		DRAWING NUMBER: SHEET: 2 OF 2	
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VICINITY MAP



- NOTES:**
1. HORIZONTAL CONTROL IS ALASKA STATE PLANE COORDINATES NAD83 ZONE 4 US FOOT.
 2. VERTICAL DATUM IS MANDRA, FEET.
 3. CONTROL ELEVATIONS ARE IN FEET.
 4. CONTROL HIGH WATER (CHW) AND 100-YEAR WATER ELEVATIONS APPROXIMATED FROM REGIONAL HYDROLOGICAL CHARACTERISTICS AND HYDROLOGIC ANALYSIS.
 5. BRIDGE LOCATION:
 N 2847568.95
 E 1580343.83
 LAT: N 61° 47' 35"
 LONG: W 150° 20' 49"

CONCEPTUAL PLANS UTILIZED TO OBTAIN COAST GUARD BRIDGE PERMIT



THE ALASKA GASLINE DEVELOPMENT CORPORATION MICHAEL BAKER INTERNATIONAL ANCHORAGE, ALASKA	DESIGNER	SCALE	PROPOSED BRIDGE DESHKA RIVER (SF-N-704.87) PROJECT MAP 704.87 LOCATION AND VICINITY MAP	DRAWING NUMBER SHEET 1 1 OF 2
	DATE FEB 19 2019	AS SHOWN		
CHECKED BY M. WARBORUM	DATE FEB 19 2019	JOB NUMBER 188716	LOCATION AND VICINITY MAP	1 OF 2

