Navigation Protection Program Programs Group Transport Canada

Your file:

Our file: 2019-501394

#### **APPROVAL**

APPLICANT:

Adriana da Costa

300 -10003 110 Avenue Fort St John, BC V1J 6M7

WORK:

Bridge

Diversion

SITE LOCATION:

Located at approximately 56°7'14.23"N, -121°44'7.51"W, Peace River, located on unsurveyed foreshore being part of Farrell Creek and Portions of Farrell Creek lying within Sections 19 and 20 Township 82 Range 24 West of the 6th Meridian Peace River District, legal Subdivision 8 Section 19 Township 82 Range 24 West of the 6th Meridian Peace River District Except Plan 21821 in the province of

British Columbia.

As per the application (detailed above) to the Minister of Transport, submitted pursuant to the *Canadian Navigable Waters Act*, for an approval of the work per the attached plans three (3), the Minister hereby approves the work pursuant to subsection 7(6) for the construction, of the above mentioned work, in accordance with the following terms and conditions:

- 1. The NPA Approval and its Terms and Conditions shall be posted at an easily accessible place at the worksite, and be provided to the contractor conducting the work.
- 2. In the event that the construction or the operation of the above works is terminated, it will be the proponent's responsibility to remove the works and associated equipment in its entirety including any anchors and pilings. The banks and bed of the waterway disturbed by the works are to be contoured to match the local conditions.
- 3. The owner shall provide information about any temporary closures to vessel traffic using the Boater Communications Protocol, and post the information on the owner website, on a page related to the project.
- 4. If a temporary closure to vessel traffic will last longer than 5 days, the owner must obtain prior written approval before from the Navigation Protection Program at Transport Canada, a minimum of 10 days before the temporary closure begins.

#### Prior to diversion of the channel

5. Prior to the diversion of the channel, warning signs must be installed and maintained at locations approximately 100 m upstream and downstream from where the diversion begins and ends. Signs shall be a minimum of 72" x 48", a white background with black lettering, the size of the text shall be at least 15cm tall with the word "WARNING" at 1.5 times the size of the message text. Signs shall be emplaced for the duration of construction of the bridge with text as outlined below.



### WARNING BRIDGE CONSTRUCTION HAZARDS AHEAD

- 6. Any construction equipment anchored or left in or on the waterway overnight shall be marked with a yellow flashing light placed on the extremity closest to the centre of the navigation channel and must be visible to upstream and downstream traffic.
- 7. A safe navigation channel shall be maintained for the duration of construction. When construction activities require channel closures to ensure public safety they will be communicated 5 days in advance using the Boater Communication Protocol.

# Post diversion and prior to inundation

8. Upon completion of the bridge construction and prior to inundation, the five piers shall be marked with standard W-54 object marker signs on the upstream and downstream sides. Piers 1 and 5 shall be marked with two standard W-54 object marker signs, on the upstream and downstream sides, marking the extremity of the pier closest to the middle of the channel, and piers 2 to 4 shall be marked with four standard W-54 object marker signs, as illustrated by the red lines in Figure 1 below. They shall be placed 1 meter above the maximum normal reservoir level.

SIGNED on February 13, 2020 in Pacific

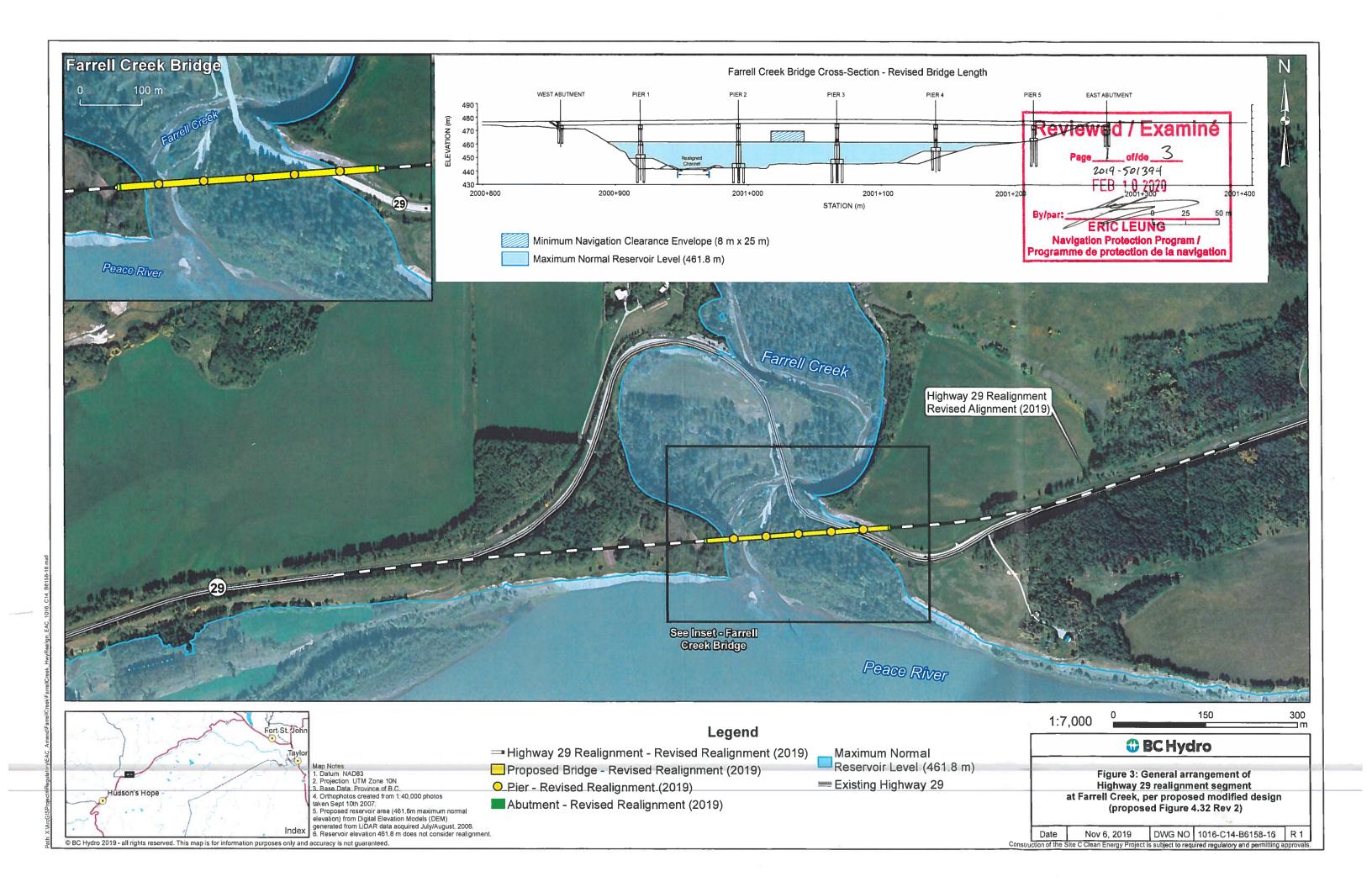
Eric Leung

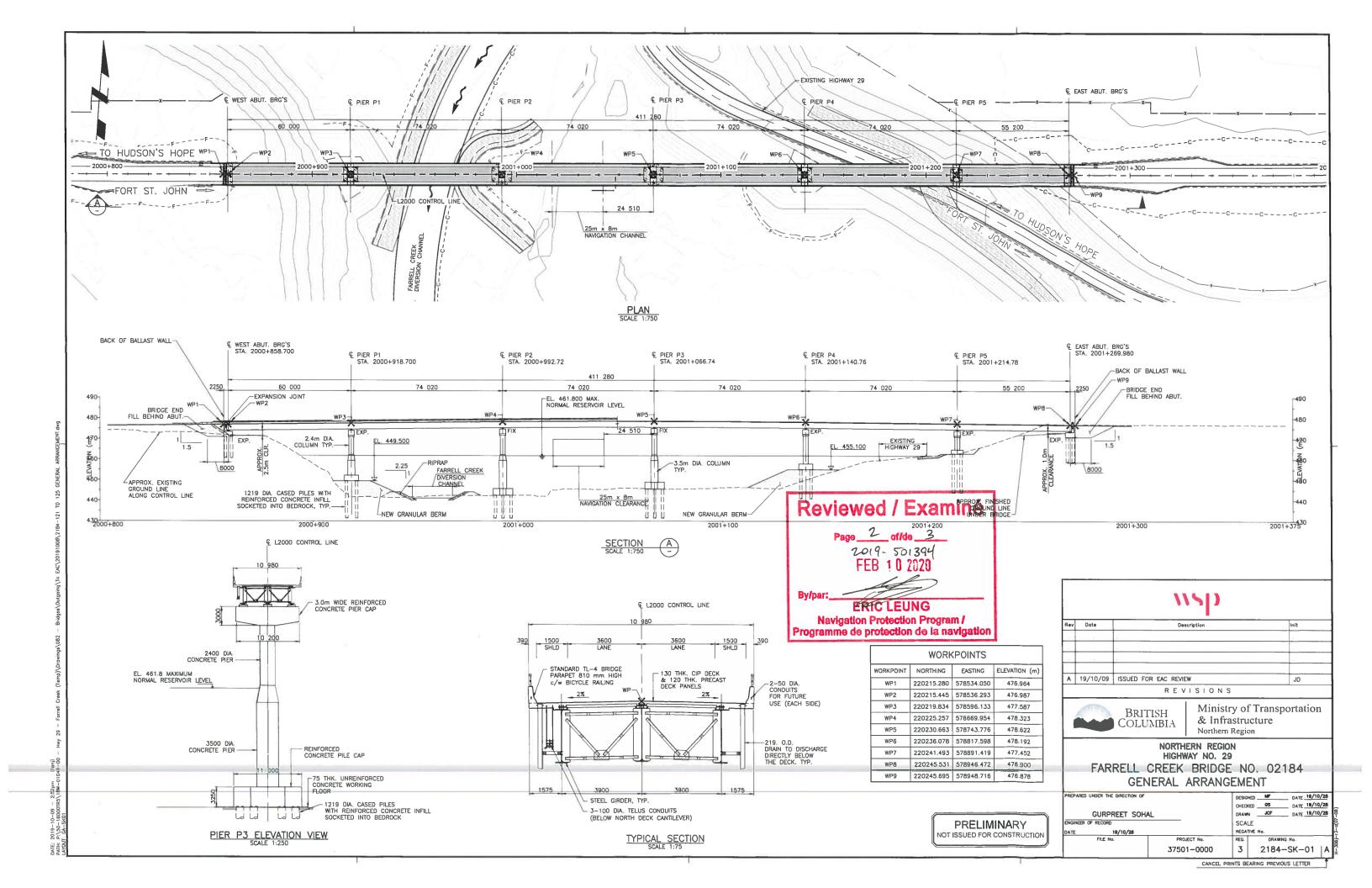
Navigation Protection Program

Programs Group Transport Canada Pacific Region

For the Minister of Transport







## FINISHED GRADE LINE CHANNEL WITH EXISTING BED MATERIAL OR EQUIVALENT 20-YR FLOW WATER EXTEND EXCAVATION UP\_ TO EAST GRAVEL BAR SURFACE ELEVATION EL. VARIES --EXISTING GROUND EXTEND DOWN TO EXISTING GROUND GRANULAR BORROW MoTI CLASS 250 KG RIPRAP AT 1.0 m THICKNESS. UNDERLAIN WITH CLASS 1 GEOTEXTILE TYPICAL SECTION - CREEK CHANNEL STA. 2020+003.199 TO STA. 2020+146.700 10-YR FLOW WATER SURFACE ELEVATION FINISHED GRADE -LINE CHANNEL WITH EXISTING TYPE D BACKFILL TO MATCH EL, VARIES --EL. VARIES EXISTING GROUND FOLLOWING RIPRAP INSTALLATION BED MATERIAL OR EQUIVALENT - EXISTING GROUND EXTEND DOWN TO EXISTING GROUND MoTI CLASS 250 KG RIPRAP AT 1,0 m THICKNESS. UNDERLAIN WITH CLASS 1 GEOTEXTILE MoTI CLASS 250 KG RIPRAP AT 1.0 m THICKNESS. TYPICAL SECTION - CREEK CHANNEL STA. 2020+146.700 TO STA. 2020+187.900 Reviewed / Examiné GRADE TO EXISTING SLOPE Page 3 of/de 3 2019-501394 FEB 10 2023 EXISTING GROUND EL, 464,9m FINISH SLOPE TO MATCH EXISTING ERIC LEUNG MoTI CLASS 250-kg RIPRAP AT 1-2 m THICKNESS. Navigation Protection Program / Programme de protection de la navigation 0 20 m THICK GRANULAR FILTER LAYER. EL. 458.0m TYPICAL SECTION - EXISTING BANK WAVE PROTECTION RIPRAP STA, 2001+150,000 TO STA, 2001+270,000 R.F. BINNIE & ASSOCIATES LTD. MINISTRY OF TRANSPORTATION 300 - 4940 Canada Way, Burnaby, BC V5G 4K6 TEL 604 420 1721 BRITISH COLUMBIA AND INFRASTRUCTURE HIGHWAY ENGINEERING The people bekind your infrastructure. NORTHERN REGION BINNIE com 1:100 R3-338-300,DVX TYPICAL SECTIONS AND DETAILS 2019-11-0