



Navigation Protection Program (NPP)
820-800 Burrard Street
Vancouver, BC, V6Z 2J8

Our file: 2019-501492
Registry number: 456

APPROVAL

OWNER: BC Ministry of Transportation and Infrastructure
213 - 1011 4 Ave
Prince George, BC, V2L 3H9

WORK(S): Bridge

SITE LOCATION: Located at approximately 56°4'4.36"N, -121°50'38.13"W, on unsurveyed crown foreshore or land covered by water being part of the bed of Peace River, Highway 29 crossing over Lynx Creek, Lot A, Section 33, Township 81, Range 25, West of the 6th Meridian, Peace River District, Plan 16866, 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 two (2) plans, 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

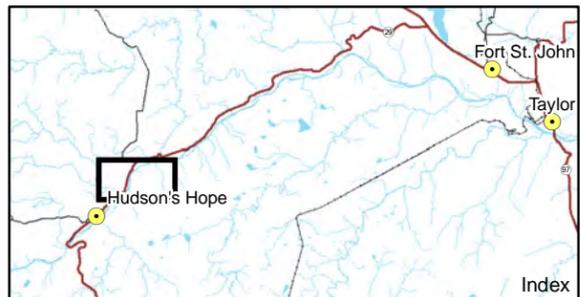
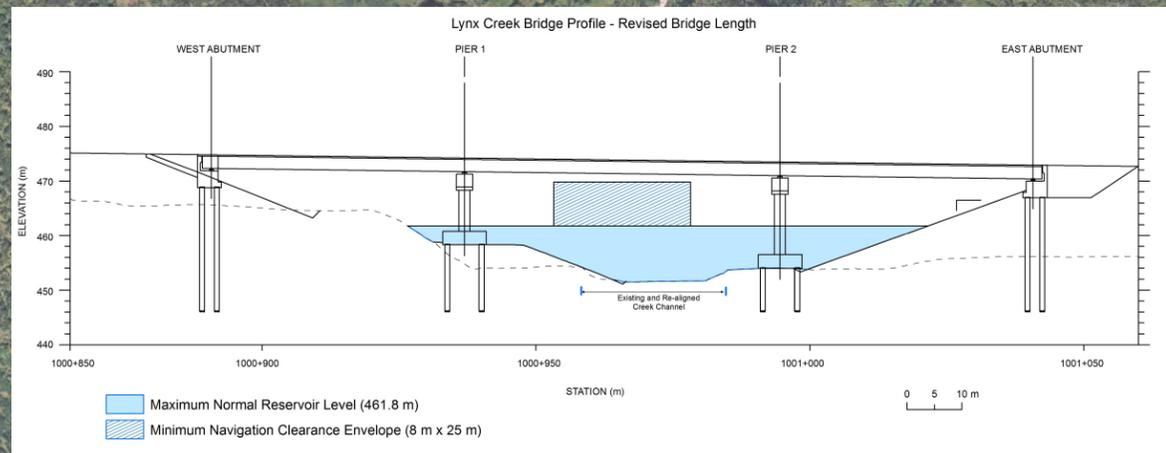
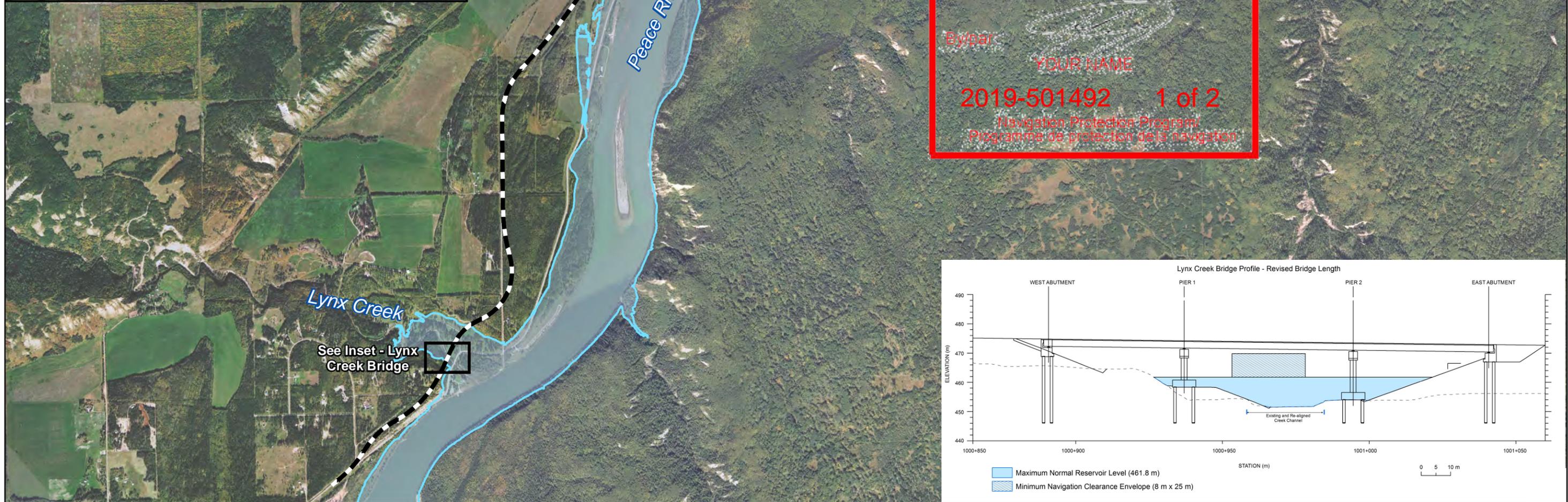
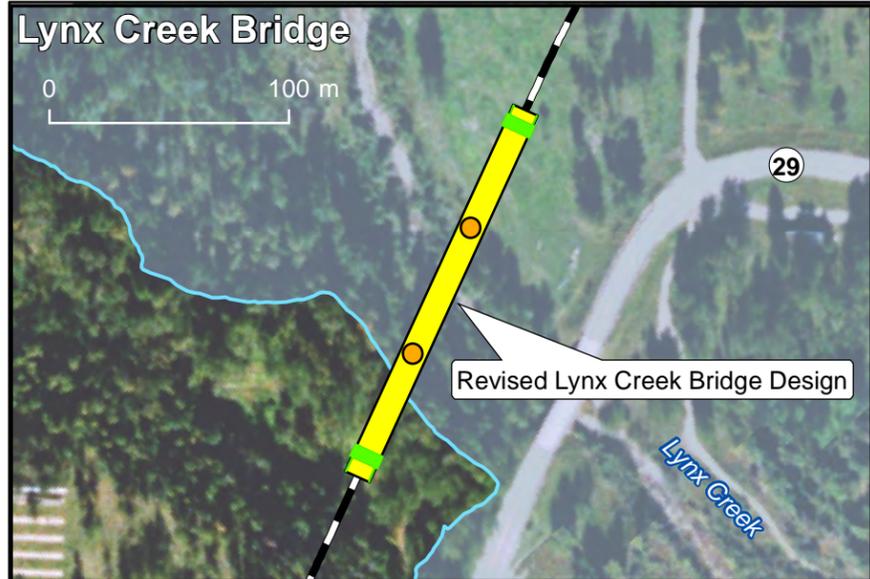
6. Any construction equipment anchored or left in or on the waterway overnight shall be marked with a yellow flashing light placed on the extremity closest to the centre of the navigation channel and must be visible to upstream and downstream traffic.
7. A safe navigation channel shall be maintained 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 two piers shall each be marked with four standard W-54 object marker signs on the upstream and downstream sides, marking the extremity of the piers, as illustrated by the red lines in Figure 1 below. They shall be permanently placed 1 meter above the maximum normal reservoir level.

SIGNED on May 27th, 2020 at Pacific

Eric Leung
NPP Officer
Programs Group
Transport Canada
Pacific Region
For the Minister of Transport



Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Orthophotos created from 1:40,000 photos taken Sept 10th 2007;
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LiDAR data acquired July/August, 2006.
 6. Reservoir elevation 461.8 m does not consider realignment.

- Legend**
- Highway 29 Realignment
 - Revised Lynx Creek Bridge Design
 - Pier
 - Abutment
 - Maximum Normal Reservoir Level (461.8 m)

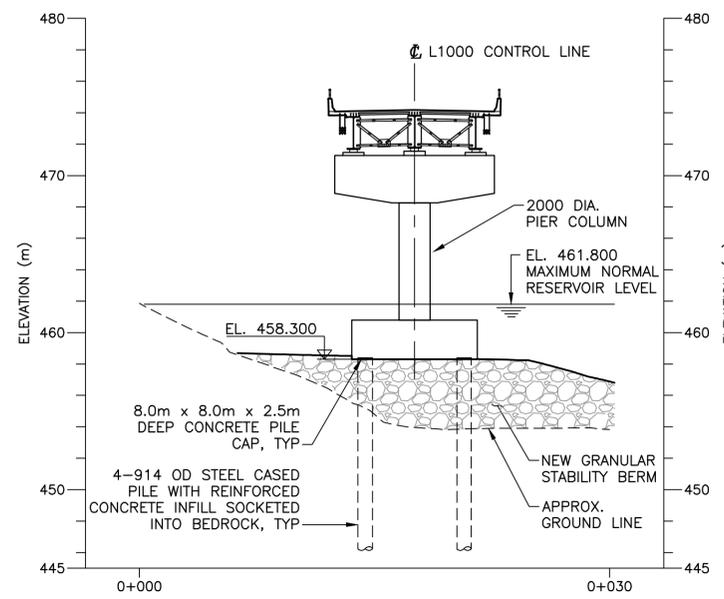
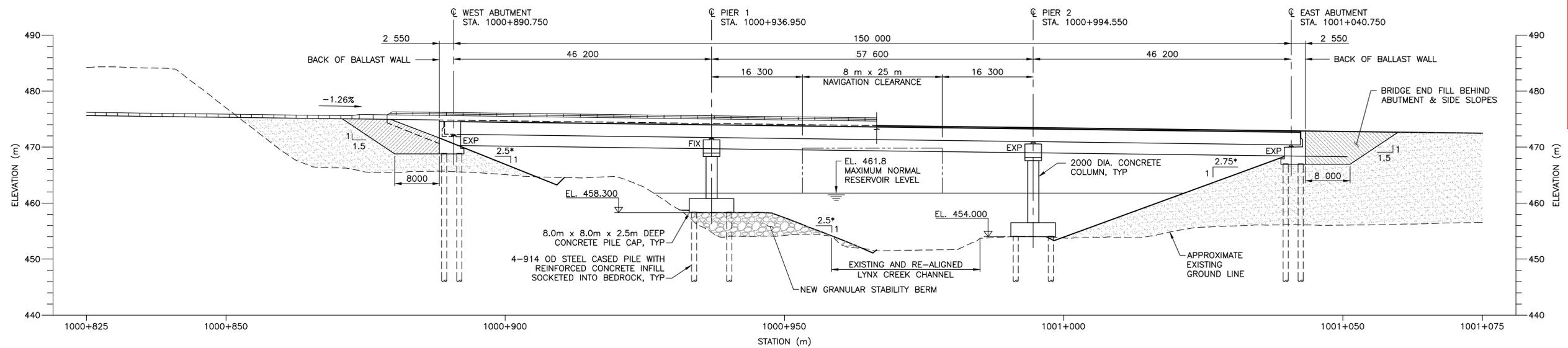
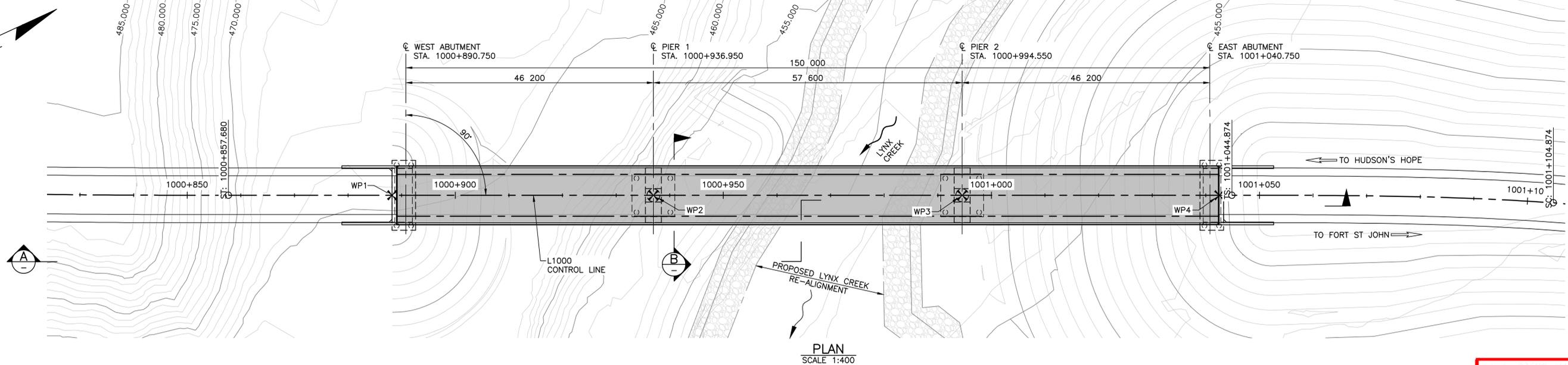
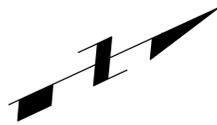
1:31,500 0 100 200 m

BC Hydro

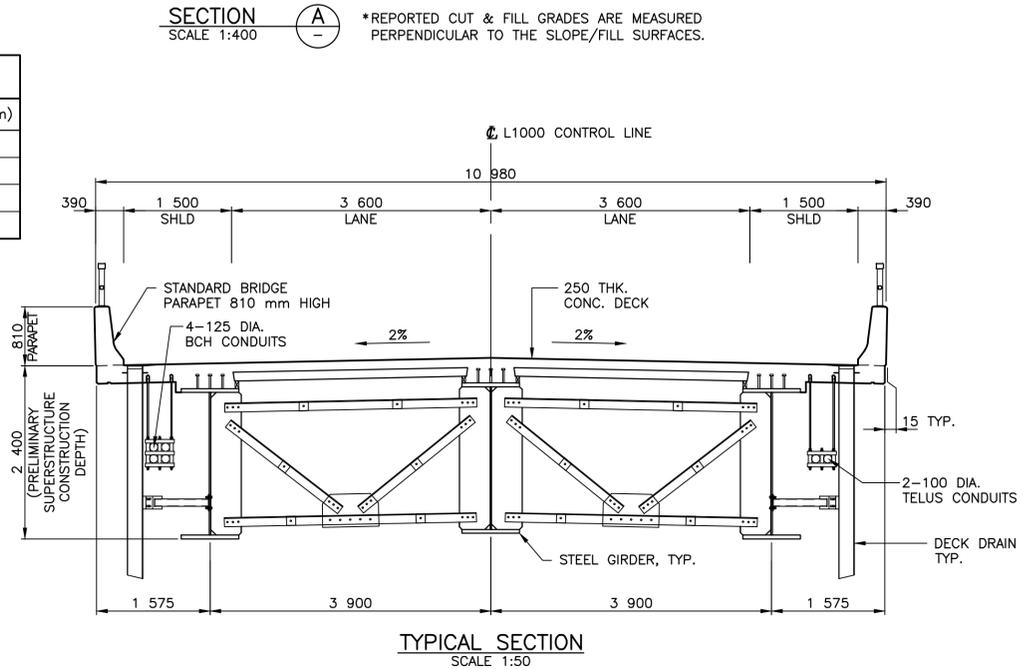
Figure 3: General arrangement of Highway 29 realignment segment at Lynx Creek, per proposed revised bridge design (proposed Figure 4.28 Rev 1)

Date	Dec 4, 2019	DWG NO	1016-C14-B6158-14	R 1
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Path: X:\Acad\Projects\Regulatory\EAC_Amend\LynxCreek\LynxCreek_HwyRealign_EAC_1016_C14_B6158-14.mxd



WORKPOINTS			
WORKPOINT	NORTHING	EASTING	TOP OF ROAD EL. (m)
WP1	214161.490	571934.514	474.842
WP2	214205.773	571954.903	474.227
WP3	214258.093	571978.993	473.501
WP4	214301.647	571999.046	472.887



Reviewed/Examiné
 Date: 2020-05-26
 By: YOUR NAME
 2019-501492 2 of 2
 Navigation Protection Program/
 Programme de protection de la navigation

PRELIMINARY
NOT ISSUED FOR CONSTRUCTION

Rev	Date	Description	Init
A	19/10/24	FUNCTIONAL DESIGN - ISSUED FOR CONCEPT APPROVAL	JD

BRITISH COLUMBIA | Ministry of Transportation & Infrastructure
 Northern Region
NORTHERN REGION
HIGHWAY No. 29
LYNX CREEK BRIDGE No. 02327
GENERAL ARRANGEMENT

PREPARED UNDER THE DIRECTION OF
WAAN CHUI
 ENGINEER OF RECORD
 DATE: _____

DESIGNED: **WC** DATE: 19/10/24
 CHECKED: _____ DATE: _____
 DRAWN: **JE/CP** DATE: 19/10/24
 SCALE: _____
 NEGATIVE No. _____

FILE No. _____ PROJECT No. **37504-0001** REG. **3** DRAWING No. **2327-SK-02** | A