

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

APPROVAL

OWNER: BC Hydro and Power Authority
P.O. Box GEORGIA Street West
VANCOUVER British Columbia V6E 4M3
Canada

WORK(S): Bridge

SITE LOCATION: Located across Peace River, approximately at 56° 1' 42.24" N , 121° 53' 58.92" W, located on all that unsurveyed Crown foreshore or land covered by water being part of the bed of Peace River, Part of Island No.2, Section 19, Township 81, Range 25, West of The 6th Meridian, Peace River District, Hudson's Hope, 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 four (4) plan(s), 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 CNWA Approval and its Terms and Conditions shall be posted at an easily accessible place at the worksite.
2. In the event that 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.
3. Install and maintain a warning sign at a location approximately 100m west of Western Reservoir Crossing WR1, advising of the work in progress. The sign shall be a minimum of 72"x 48", a white background with black lettering, with text as outlined below. Sign to be emplaced prior to and for the duration of construction.

WARNING NO ACCESS KEEP TO THE MAIN CHANNEL

4. During construction, the outermost extent of the work above the surface of the water shall be marked with orange Hi-visibility markers on the upstream and downstream corners.
5. During construction, the outermost extent of the work above the surface shall be marked with a flashing yellow light on the upstream and downstream sides. The lights are to be in operation in darkness or limited visibility.
6. Construction machinery left in the water during darkness or limited visibility shall be marked with a flashing yellow light, visible to upstream and downstream traffic.
7. Any construction equipment anchored or left in or on the waterway shall be marked with a yellow flashing light placed on the outermost extremity if left overnight.
8. During open water season the bridge spans shall be marked using a flashing yellow light facing upstream and downstream and operating during times of darkness and limited visibility.



9. Upon completion of the associated vegetation clearing project, the works and associated equipment shall be completely removed without delay.
10. The upstream and downstream edges of the causeways shall be marked with orange Hi-visibility markers, evenly spaced every 20m on both the upstream and downstream sides, until the causeways are submerged due to inundation.
11. Upon removal of the bridge deck, the pier of WR1 shall be marked with an orange Hi-visibility marker until it is submerged 5 meters due to inundation.
12. Upon removal of the bridge deck, the pier of WR1 shall be marked with a flashing yellow light until it is submerged 5 meters due to inundation.
13. The owner shall conduct an Airborne LIDAR survey of the reservoir area post construction and clearing, but prior to the filling of the reservoir. This survey shall be the basis for mapping of the reservoir for boating.

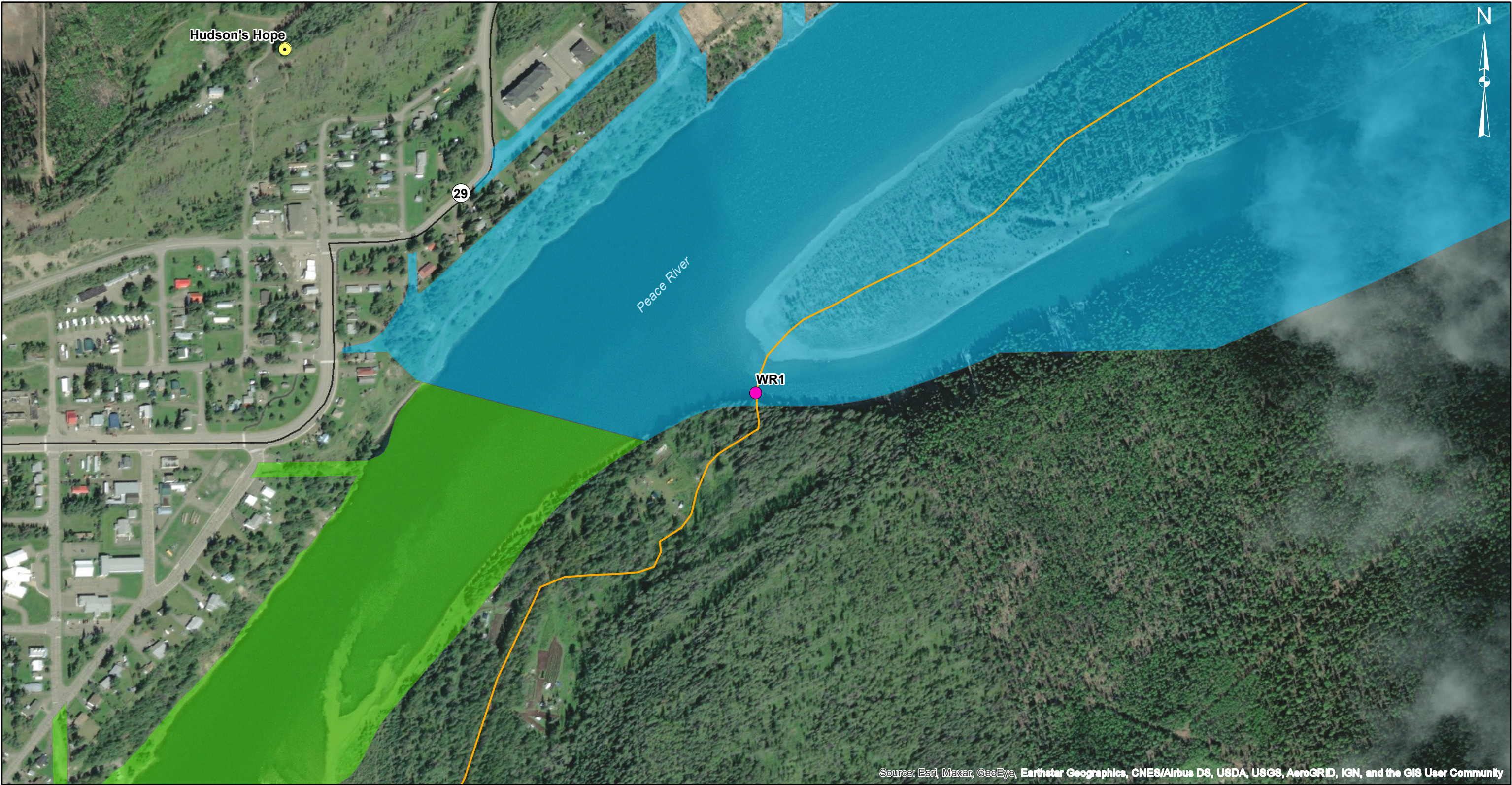
SIGNED ON JULY 23, 2021
at the NPP regional office of Pacific

Leung
, Eric

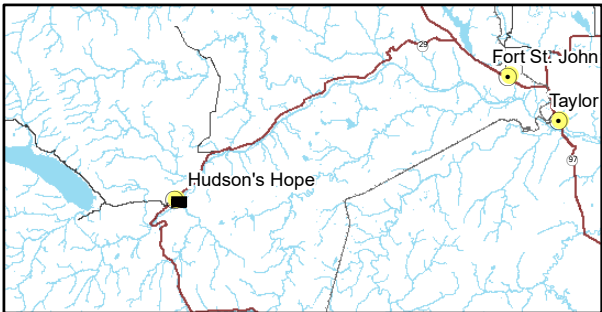
Digitally signed by Leung, Eric
DN: C=CA, O=GC, OU=TC-TC,
CN="Leung, Eric"
Reason: I am the author of this
document
Location: your signing location
here
Date: 2021.07.23 16:20:
22-07'00'
Foxit PDF Editor Version: 11.0.0

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

Path: X:\ArcGIS\Projects\Permitting\Federal_Permitting\WesternReservoir_FC_PCN_Crossings\WesternReservoir_FC_PCN_Crossings\WR1_1016_N11_01109-2.mxd



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Map Notes:
1. Datum: NAD83
2. Projection: UTM Zone 10N
3. Base Data: Province of B.C.
4. Imagery: ESRI Online Basemapping.

© BC Hydro 2021 - all rights reserved. This map is for information purposes only and accuracy is not guaranteed.

Legend

- Crossings
- OLTC 20A
- OLTC 20B
- OLTC 21
- Roads
- Existing Highway



Transports Canada / Transport Canada

Reviewed/Examiné

Date : 2021-07-22

By/par :

ERIC LEUNG

2021-504171

2 of 4

Navigation Protection Program /
Programme de protection de la navigation

1:5,000

0 200 m

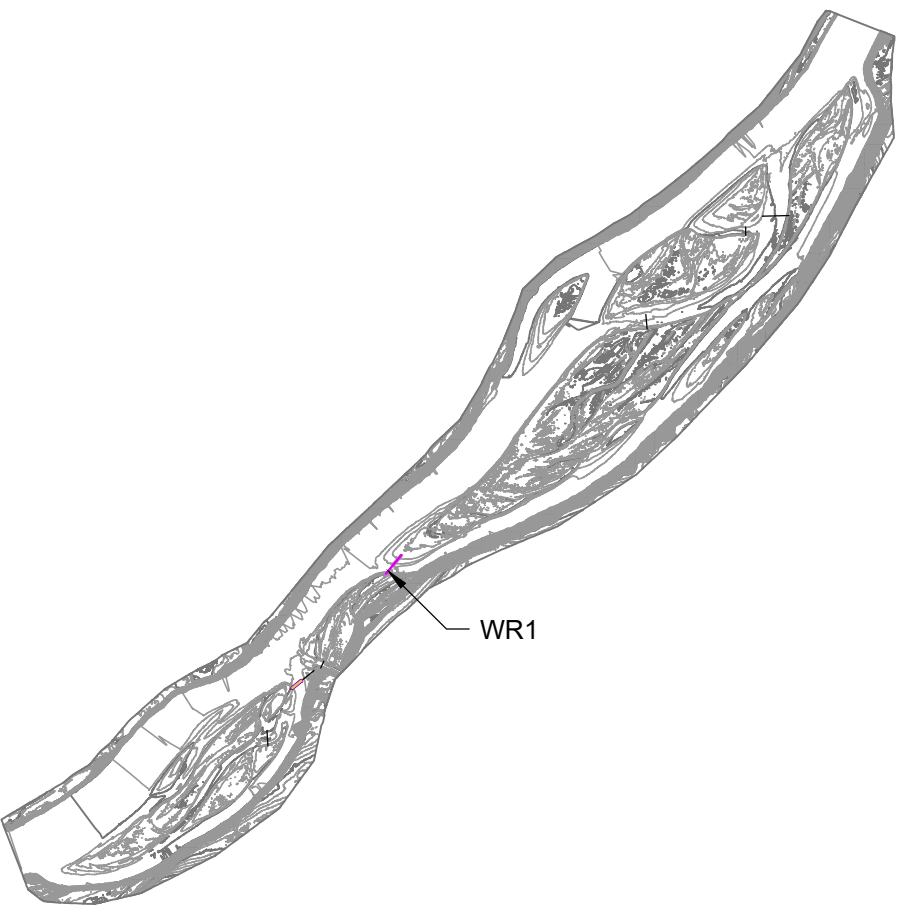
BC Hydro

Site C Western Reservoir
Farrell Creek to Peace Canyon Dam
Clearing Crossings
CNWA Approval Application
Crossing WR 1

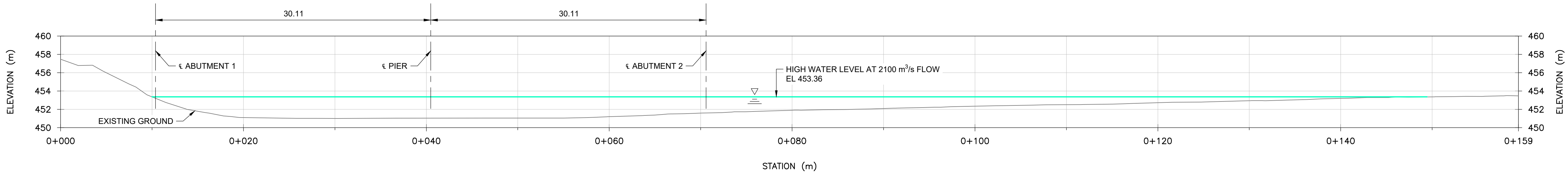
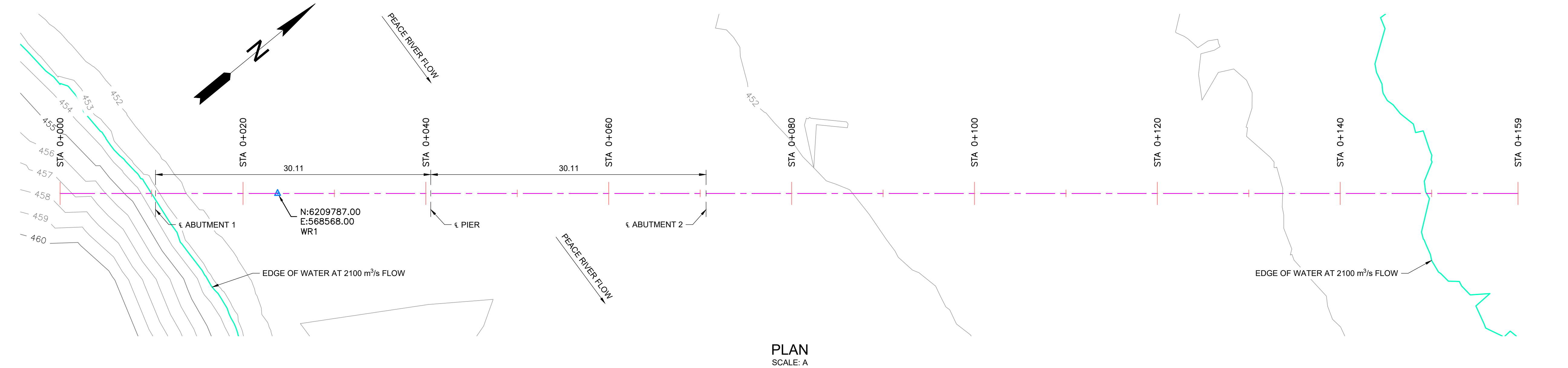
Date	Apr 22, 2021	DWG NO	1016-N11-01109-2	R 0
------	--------------	--------	------------------	-----

Construction of the Site C Clean Energy Project is subject to required regulatory and permitting approvals.

Reviewed/Examiné
Date : 2021-07-22
By/par: ÉRIC LÉUNG
2021-504171 3 of 4
Navigation Protection Program/
Programme de protection de la navigation



KEYPLAN
NTS



Contract No

ISSUED FOR INFORMATION ONLY

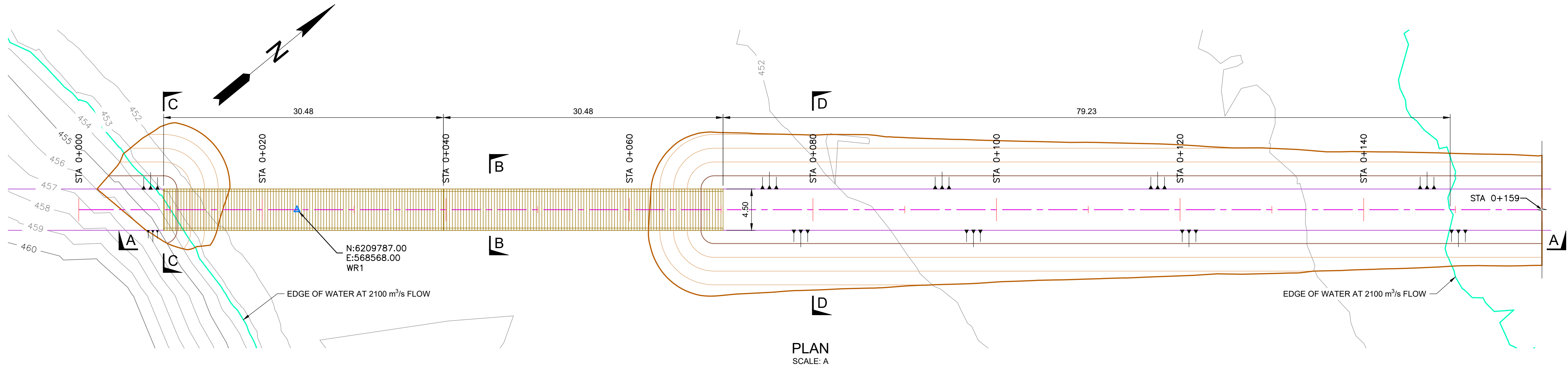
By Date

Hydro's Representative

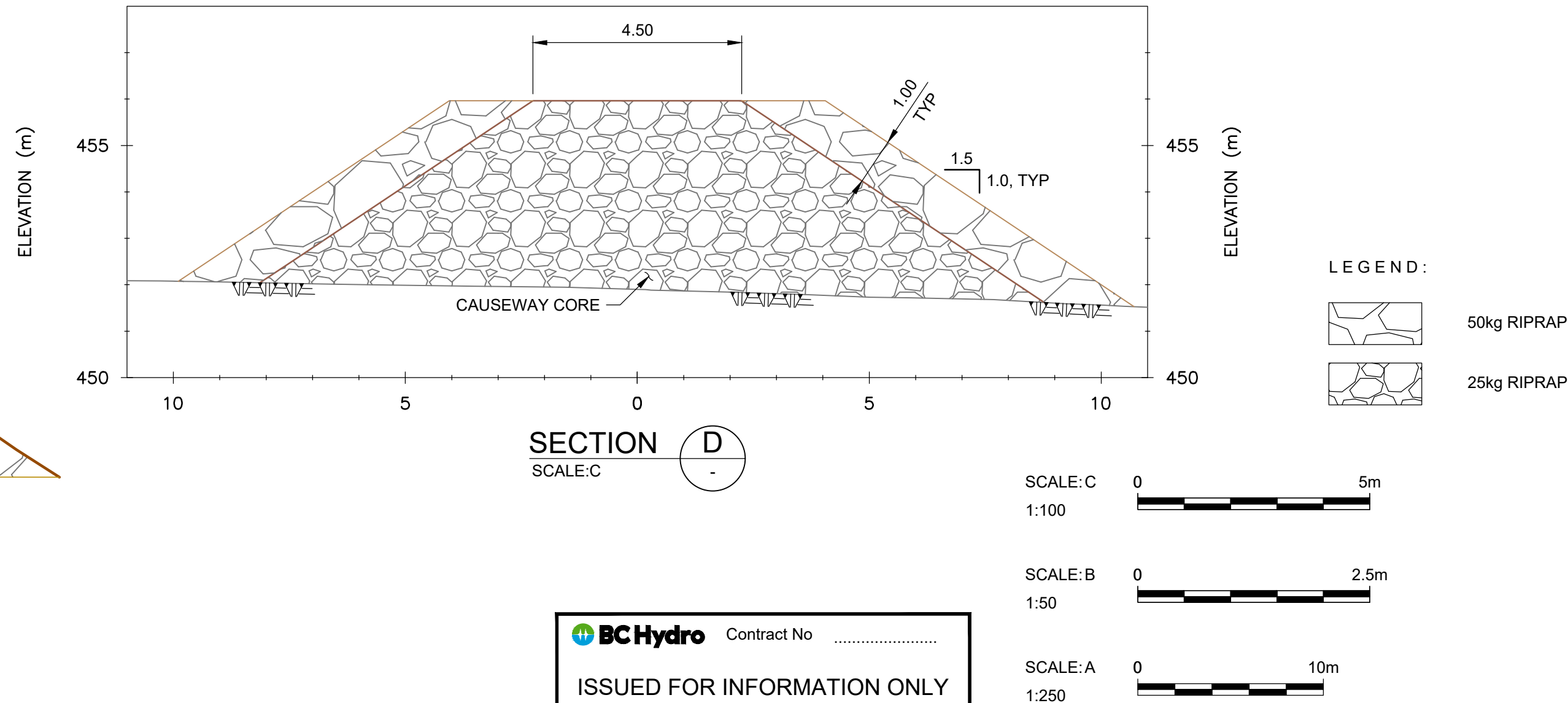
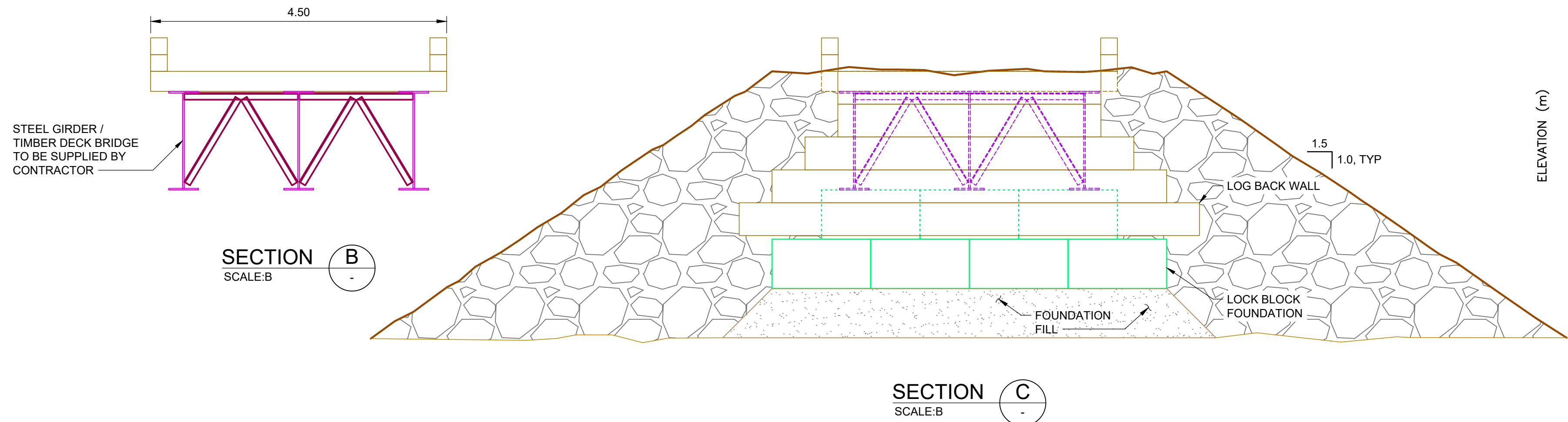
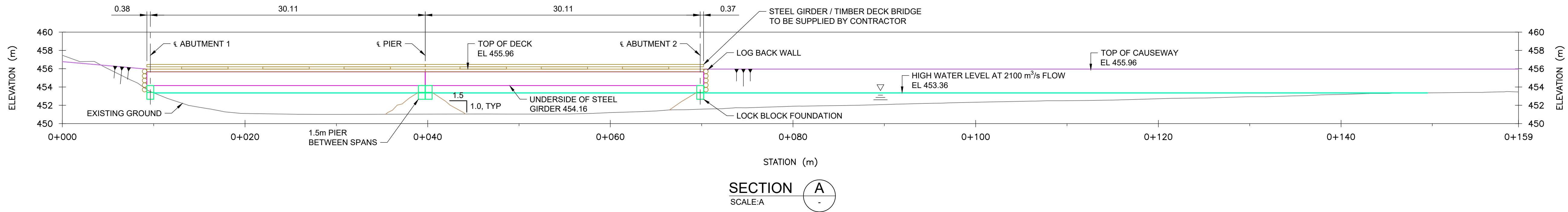
SCALE: A 0 10m
1:250

ALL DIMENSIONS ARE IN METRES, UNLESS OTHERWISE SHOWN

						DESIGN NUMBER				DSGN					<div><div></div><div>SITE C</div><div>WESTERN RESERVOIR WR1 CROSSING EXISTING CONDITIONS PLAN AND PROFILE</div></div>												
						WORK ORDER NUMBER				INDEP CHK																	
						CSA S250 ACCURACY NAD - UTM				DFTG CHK		ACZ															
						BASE ACCURACY LEVEL:				INSP																	
						ASB ACCURACY LEVEL:				REV																	
										ACPT				DATE		DIST		DRAWING NUMBER		REPORT NUMBER		FIG NO		SIZE		REV	
																		1016-C14-03102				D		0			



Reviewed/Examiné
Date : 2021-07-22
By/par :
2021-504171 4 of 4
Navigation Protection Program/
Programme de protection de la navigation



BC Hydro Contract No
ISSUED FOR INFORMATION ONLY
By Date
Hydro's Representative

ALL DIMENSIONS ARE IN METRES, UNLESS OTHERWISE SHOWN

BC Hydro

SITE C

WESTERN RESERVOIR
WR1 CROSSING
PROPOSED CROSSING
PLAN AND SECTIONS

DATE	DIST	DRAWING NUMBER 1016-C14-03103	REPORT NUMBER	FIG NO	SIZE	REV
					D	0

NOT TO BE REPRODUCED WITHOUT THE PERMISSION OF BC HYDRO