

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° 9' 15.91" N, 121° 35' 24" W, located on unsurveyed land or foreshore covered by water being part of the bed of Peace River, WR11c, Section 31, Township 82, Range 23, 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 six (6) 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 warning signs at locations approximately 100m upstream and downstream of Western Reservoir Crossing WR11c, and approximately 50 meters northeast of Western Reservoir Crossing WR7 and 100 meters southwest of Western Reservoir Crossing WR6a, advising of the work in progress. Signs 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 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.

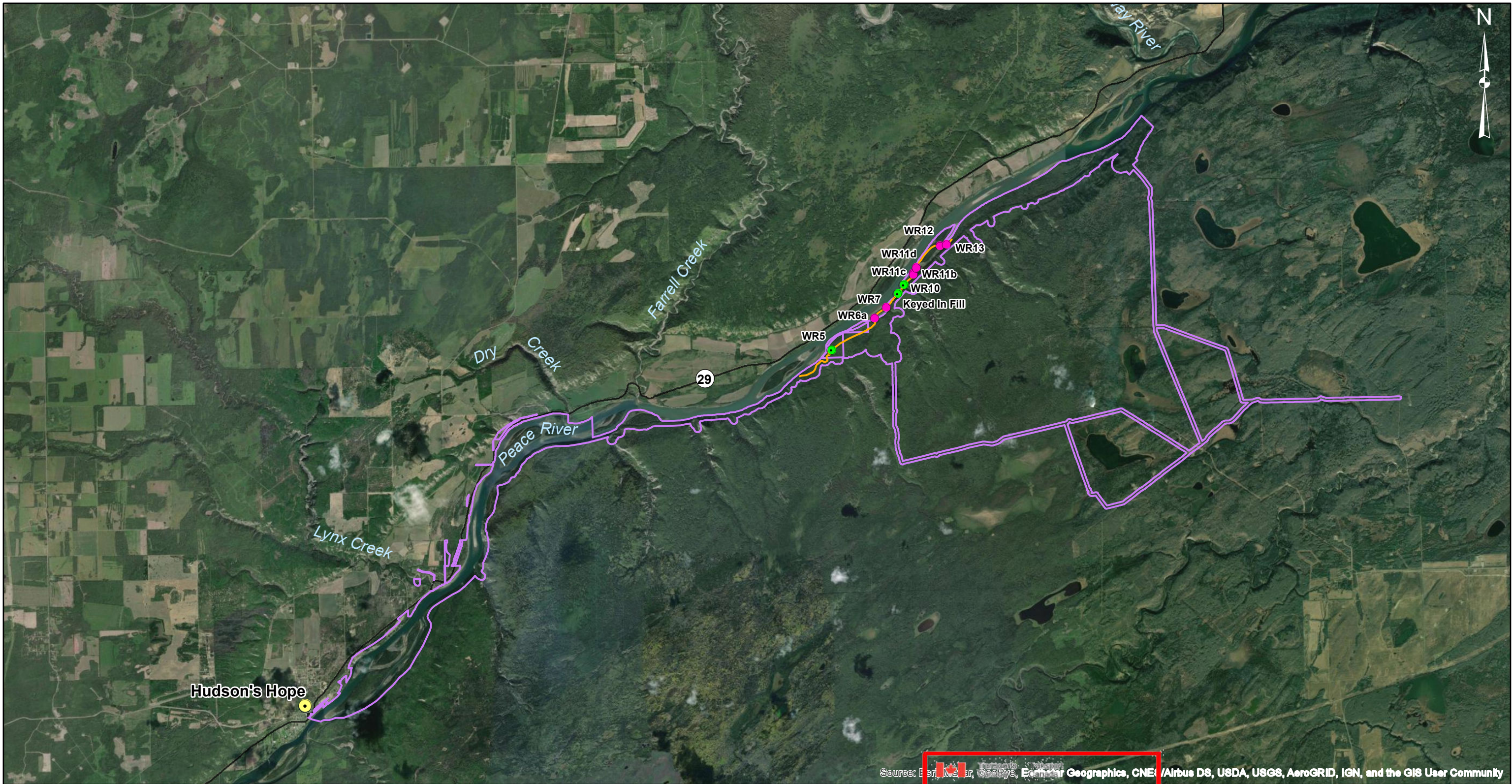
SIGNED ON JULY 26, 2021
at the NPP regional office of Pacific

Leung,
Eric

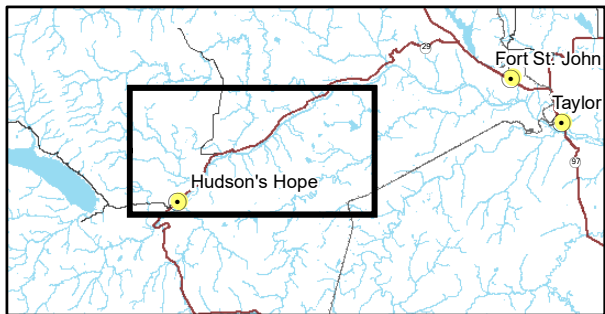
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Eric Leung
NPP Officer
Programs Group
Transport Canada
Pacific Region
For the Minister of Transport

Path: X:\ArcGIS\Projects\Permitting\Federal_Permitting\NavProAct\WesternReservoir_SB_Crossings_Overview_1016_N11_01093-1.mxd



Source: Esri, DeLorme, 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.

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Legend

- Crossings
- No Interference with Navigation Notification of Work
- Roads
- Western Reservoir South Bank Boundary
- Existing Highway

Reviewed/Examiné
Date: 2021-07-16

By/par: 
ERIC LEUNG

2021-504112 1 of 6
Navigation Protection Program/
Programme de protection de la navigation

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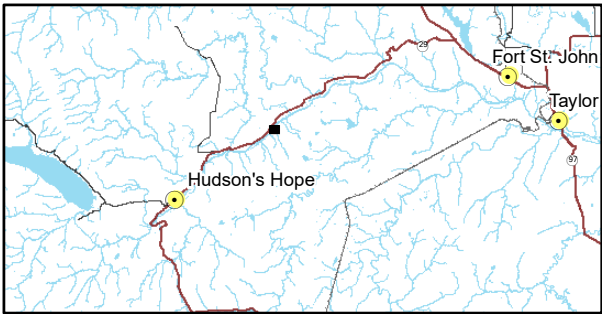
 **BC Hydro**

Title: Site C Western Reservoir South Bank
Phase 2 Clearing Crossings
CNWA Approval Application
Overview Map

Date	Apr 14, 2021	DWG NO	1016-N11-01093-1	R 1
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Construction of the Site C Clean Energy Project is subject to required regulatory and permitting approvals.

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1. Datum: NAD83
2. Projection: UTM Zone 10N
3. Base Data: Province of B.C.
4. Imagery: Sep. 2019 Lidar orthophotos.

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Legend

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- Roads
- Western Reservoir South Bank Boundary
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2021-504112 2 of 6

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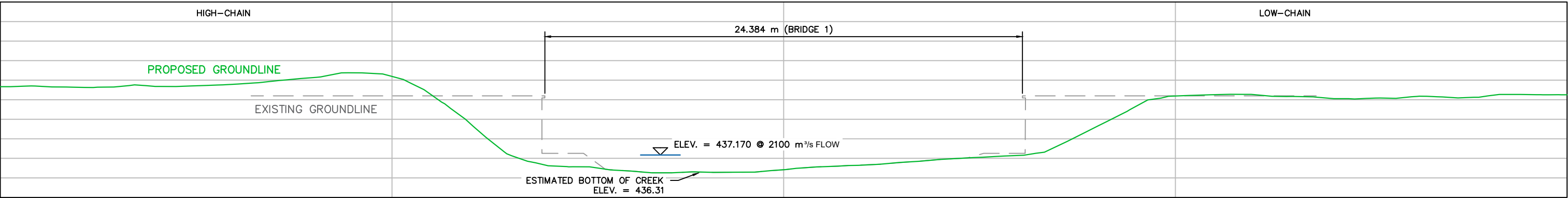
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Western Reservoir Clearing - South Bank
Phase 2 Clearing Crossings
CNWA Approval Application
Crossing WR11c

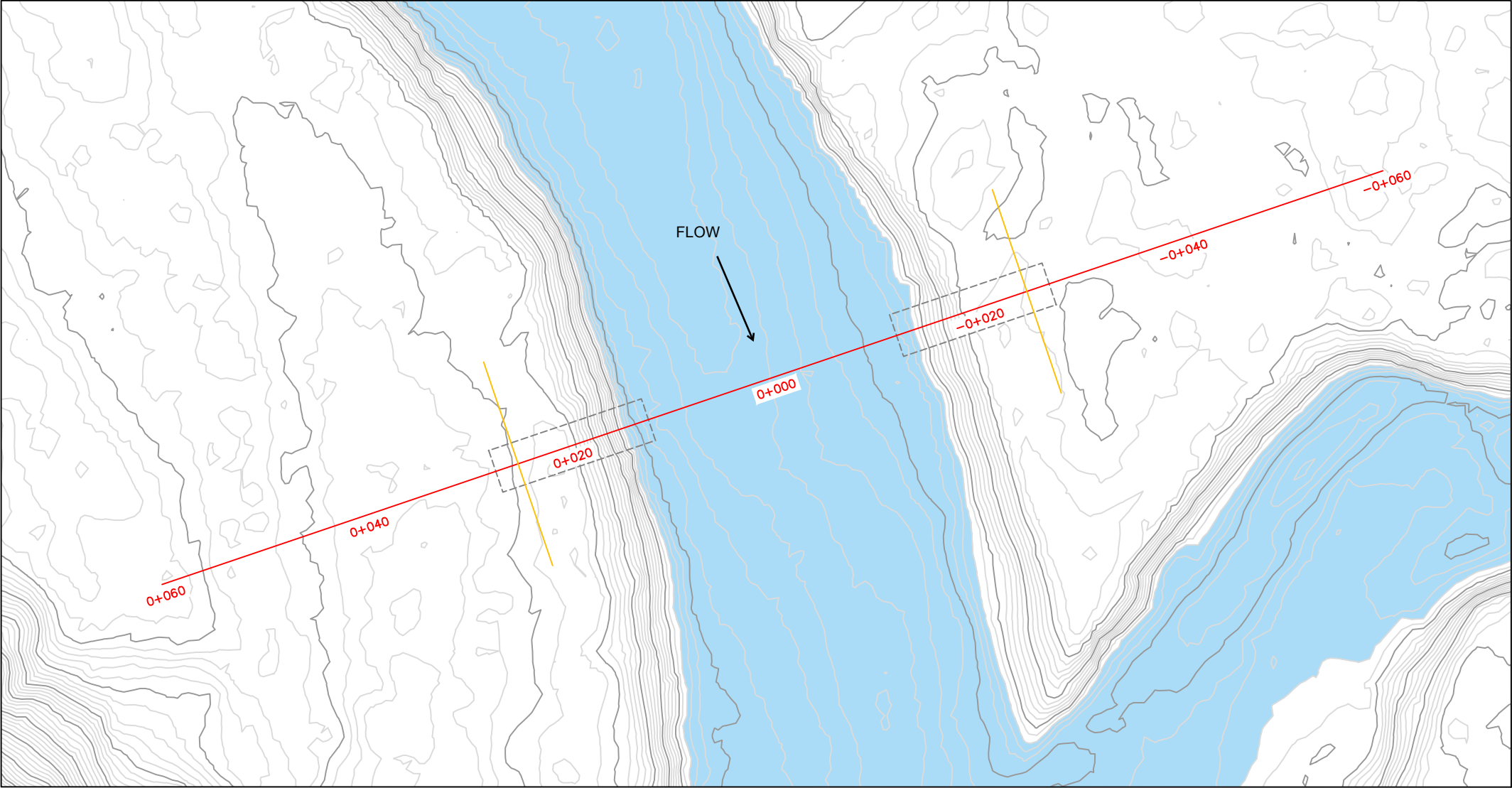
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Station PROFILE SCALE: 1: 500



PLAN
SCALE: 1: 500

BENCHMARK SURVEY TABLE

MARK	ELEV. (m)	NORTHING	EASTING
✕ WP1	438.170	6224164.539	587518.179
✕ WP2	438.170	6224152.992	587522.092
✕ WP3	438.170	6224141.445	587526.005

NOTE: ELEV. IS AT BOTTOM OF GIRDERS

LEGEND	
	CREEK
	ROAD
	ROAD ALIGNMENT
	RIPARIAN ROCK
	TREE LINE
	SECTION LINE

Trilogy Crossing Corp.
ENGINEERING, ENVIRONMENTAL, INSPECTION

OLTC 20 – WR11c

EXISTING PLAN VIEW

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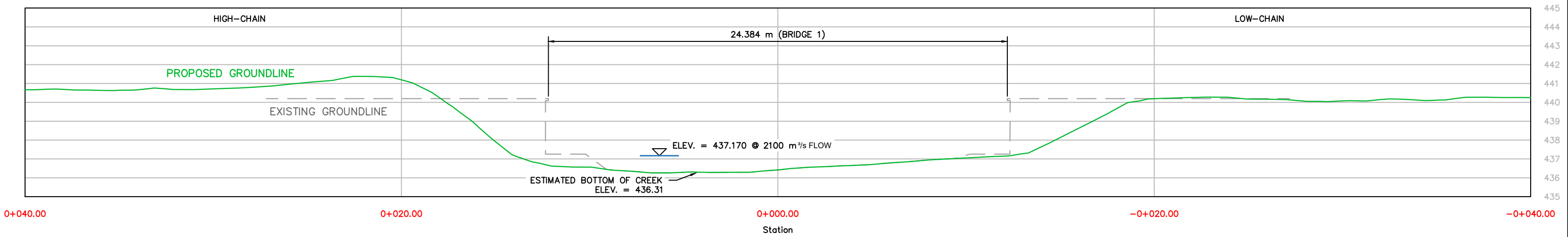
DESIGN	B.H.	DRAWN	E.K.	CHECKED	C.D.	FILE	TC-HY014/02
DATE	MAR.13, 2021	DATE	MAR.15, 2021	DATE	MAR.23, 2021	PLAN	TC-HY014

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REVISIONS

0 MAR.23, 2021 ISSUED FOR REVIEW

LAST DATE REVISED: 23-Mar-2021 12:51 PM



BRIDGE 1 PROFILE
SCALE: 1:200



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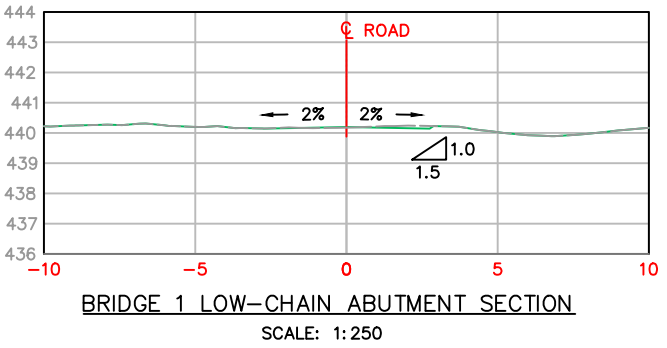
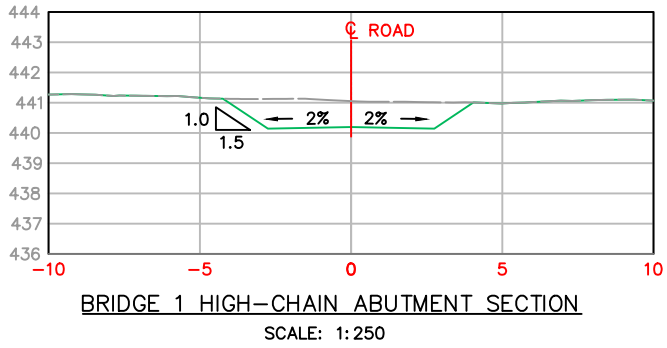
Reviewed/Examiné







Date : 2021-07-16


By/par: 
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2021-504112 4 of 6

Navigation Protection Program/
Programme de protection de la navigation




LEGEND	
	CREEK
	ROAD
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	RIPARIAN ROCK
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OLTC 20 – WR11c

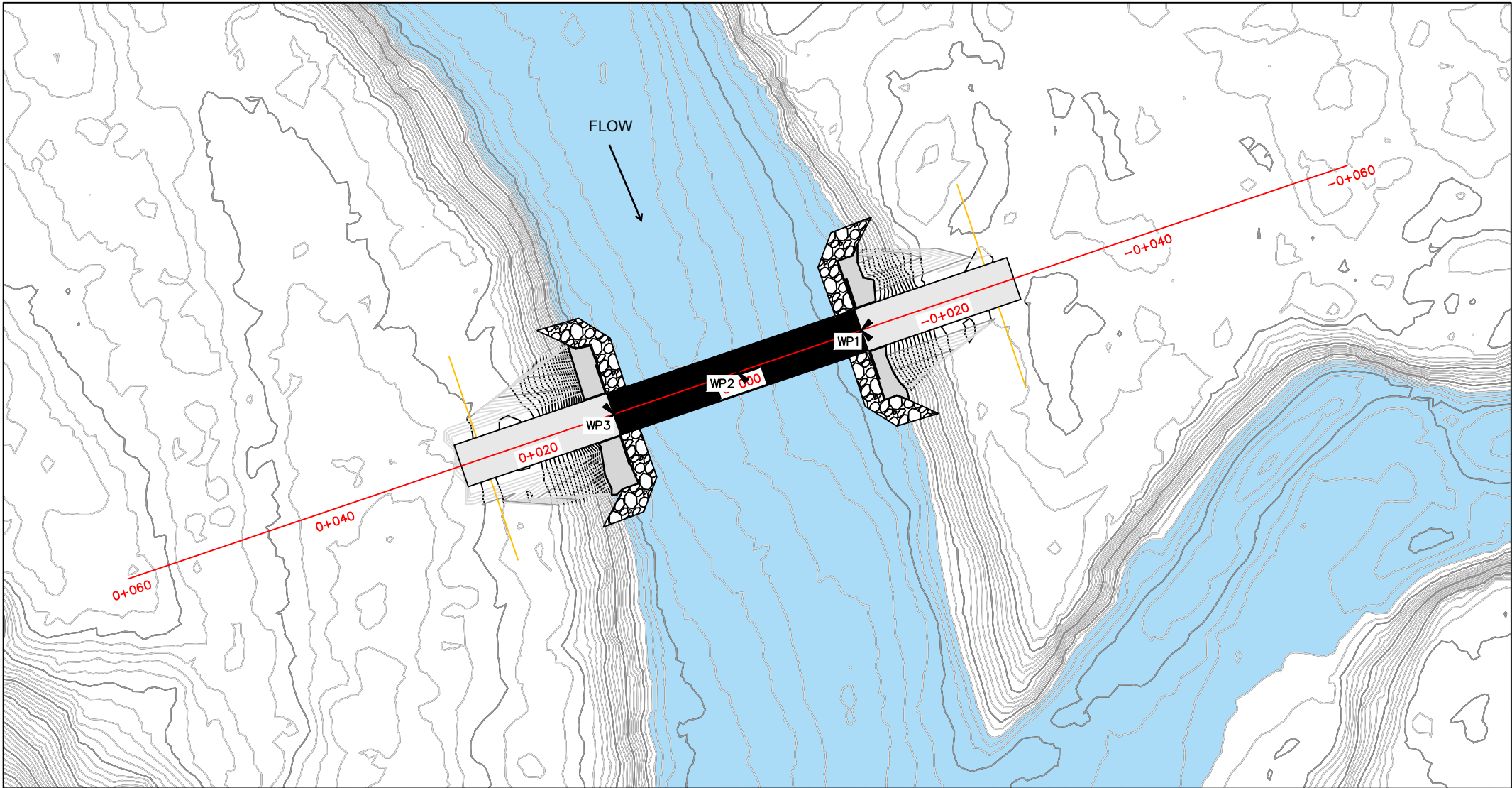
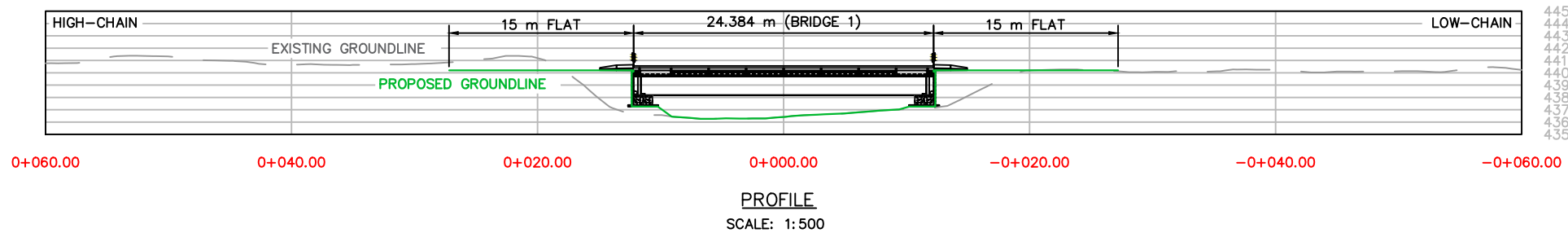
EXISTING PROFILES AND SECTIONS



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DATE	MAR.13, 2021	DATE	MAR.15, 2021	DATE	MAR.23, 2021	PLAN	TC-HY014
REVISIONS				Sheet 03 of 05			

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


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2021-504112 5 of 6


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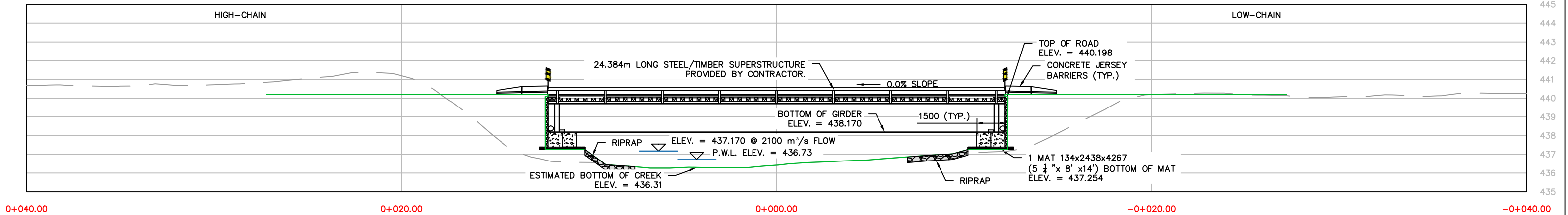
OLTC 20 – WR11c

PROPOSED PLAN VIEW

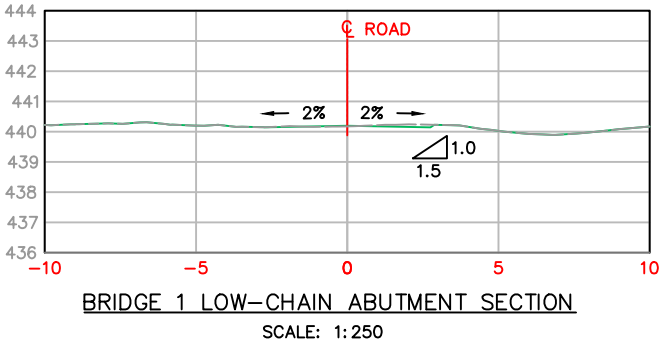
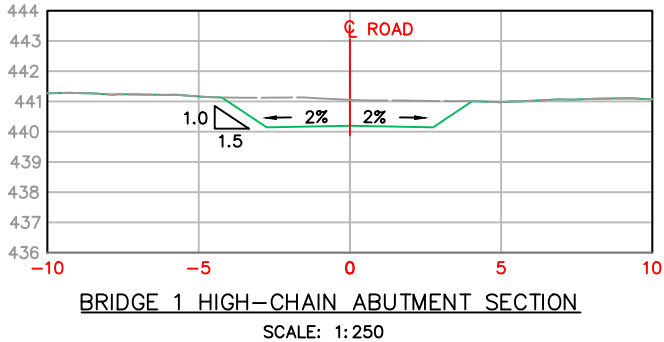
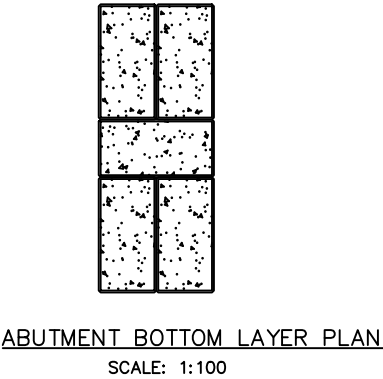
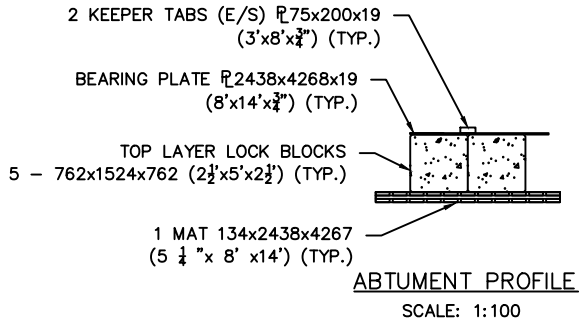
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DATE	MAR.13, 2021	DATE	MAR.15, 2021	DATE	MAR.23, 2021	PLAN	TC-HY014
REVISIONS				Sheet 04 of 05			

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BRIDGE 1 PROFILE
SCALE: 1:200



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2021-504112

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OLTC 20 – WR11c

BRIDGE 1 PROFILES AND SECTIONS

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DATE	MAR.13, 2021	DATE	MAR.15, 2021	DATE	MAR.23, 2021	PLAN	TC-HY014
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