

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° 8' 30.84" N, 121° 36' 40.68" W, located on unsurveyed foreshore or land covered by water being part of the bed of the Peace River, East 1/4 Section 25, Township 82, Range 24, 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.

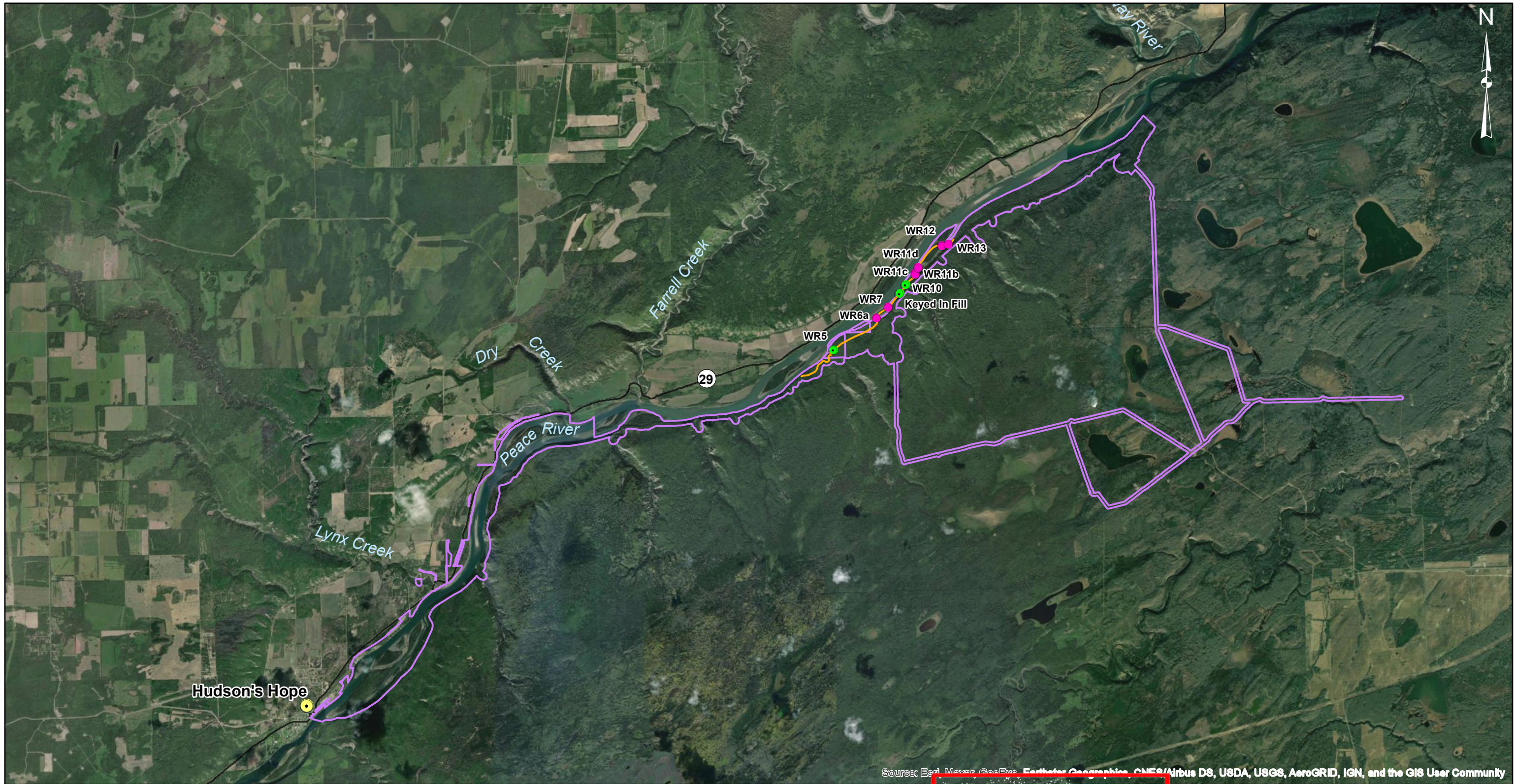
SIGNED ON JULY 26, 2021
at the NPP regional office of Pacific

Leung
, Eric

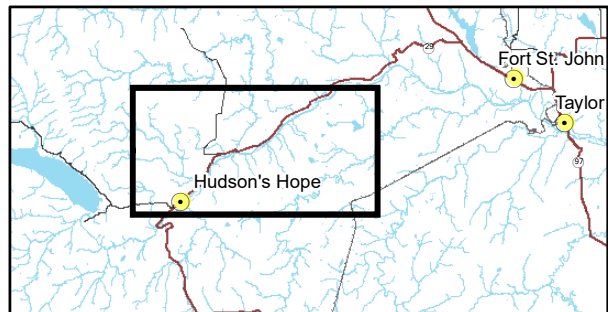
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Eric Leung
NPP Officer
Programs Group
Transport Canada
Pacific Region
For the Minister of Transport

Path: X:\ArcGIS\Projects\Permitting\Federal_Permitting\NavPro\Act\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



Canada



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Reviewed/Examiné
Date: **2021-07-16**
By/par: 
ERIC LEUNG
2021-504113 **1 of 6**
Navigation Protection Program/
Programme de protection de la navigation

1:120,000 0 5 km

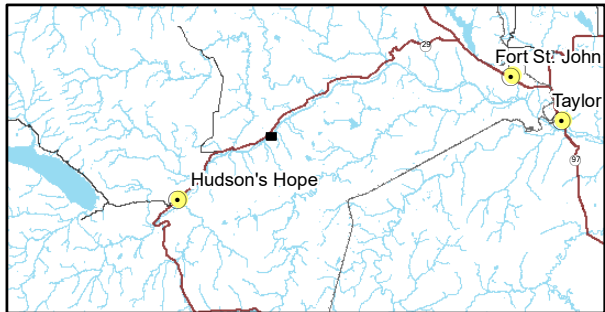
 **BC Hydro**

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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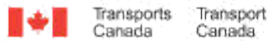


Map Notes:
1. Datum: NAD83
2. Projection: UTM Zone 10N
3. Base Data: Province of B.C.
4. Imagery: Sep. 2019 Lidar orthophotos.

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Legend

- Crossings
- Roads
- Western Reservoir South Bank Boundary
- Existing Highway



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Date : 2021-07-16

By/par :

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2021-504113

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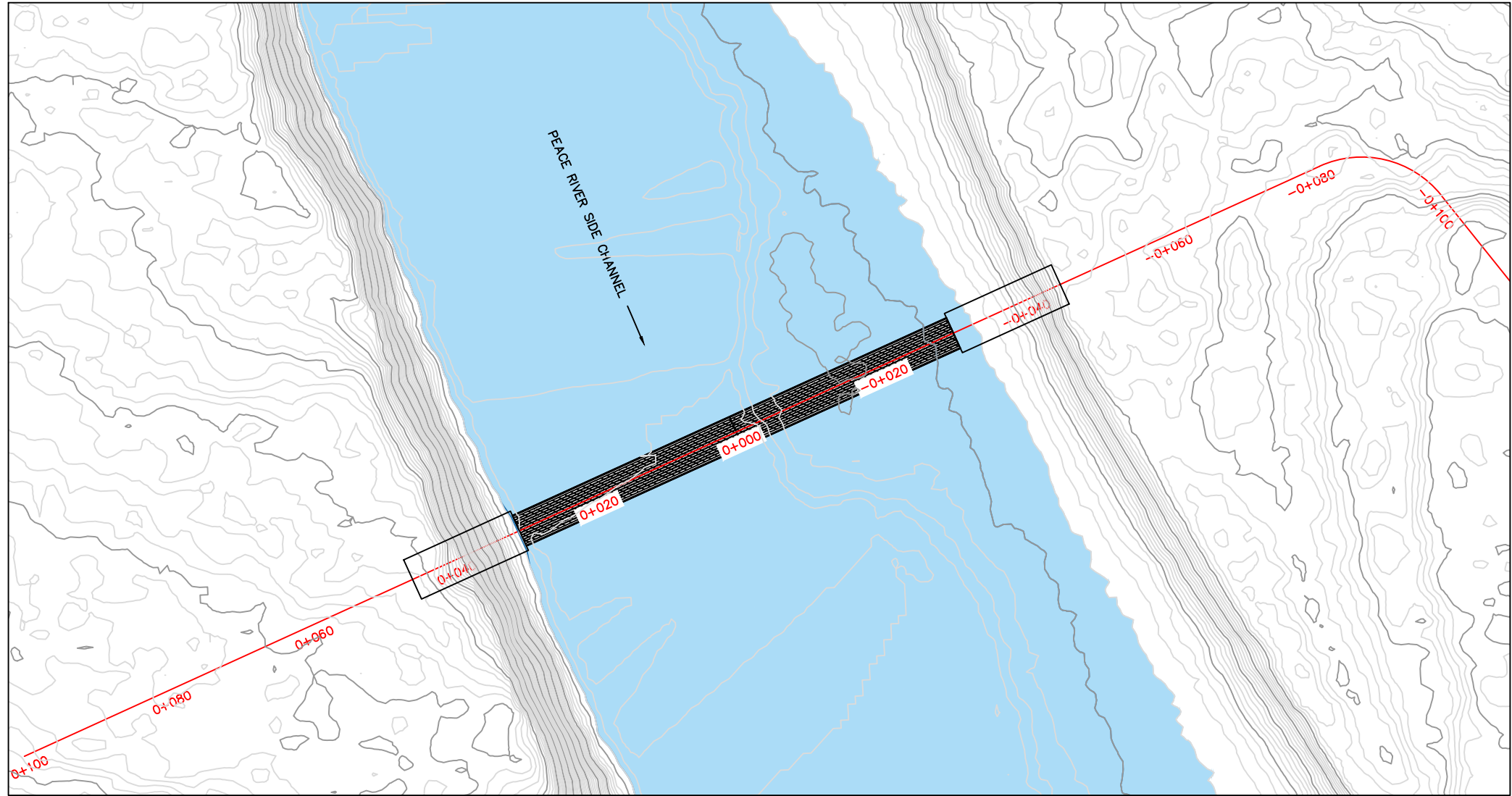
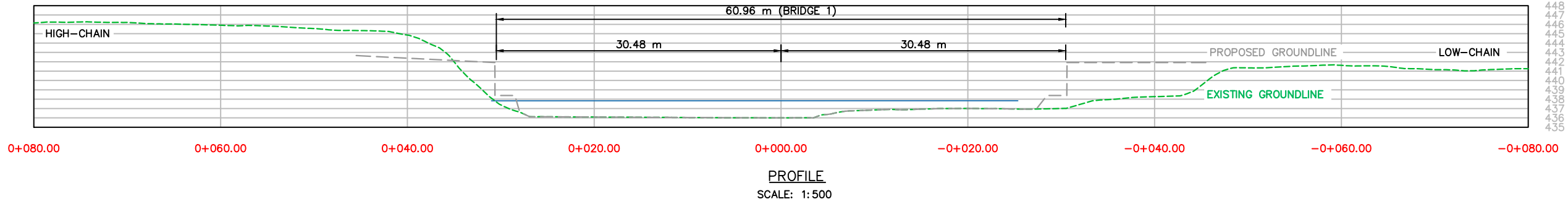
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Western Reservoir Clearing - South Bank
Phase 2 Clearing Crossings
CNWA Approval Application
Crossing WR6a

Date	Apr 9, 2021	DWG NO	1016-N11-01101-5	R 0
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BENCHMARK SURVEY TABLE

MARK	ELEV. (m)	NORTHING	EASTING
✕WP1	439.39	6222809.3223	586362.1359
✕WP2	439.39	6222781.0000	586373.4000
✕WP3	439.39	6222752.7139	586384.6497

NOTE: ELEV. IS AT BOTTOM OF GIRDERS

PLAN
SCALE: 1: 700

LEGEND	
	CREEK
	ROAD
	ROAD ALIGNMENT
	RIPARIAN ROCK
	TREE LINE
	SECTION LINE




Trilogy Crossing Corp.

ENGINEERING, ENVIRONMENTAL, INSPECTION

OLTC 20 – WR6

EXISTING PLAN VIEW

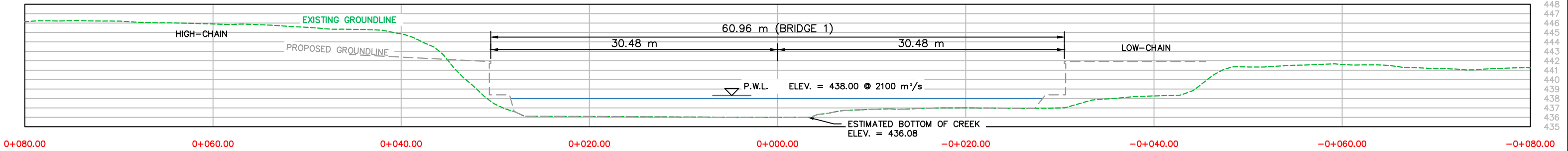


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Power smart

DESIGN	B.H.	DRAWN	E.K.	CHECKED	C.D.	FILE	TC-HY016/02
DATE	MAR.13, 2021	DATE	MAR.15, 2021	DATE	MAR.19, 2021	PLAN	TC-HY016
REVISIONS							Sheet 02 of 05

LAST DATE REVISED: 19-Mar-2021 4:25 PM



BRIDGE 1 PROFILE
SCALE: 1:400



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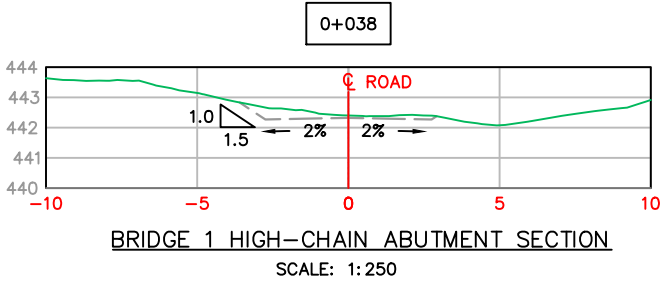
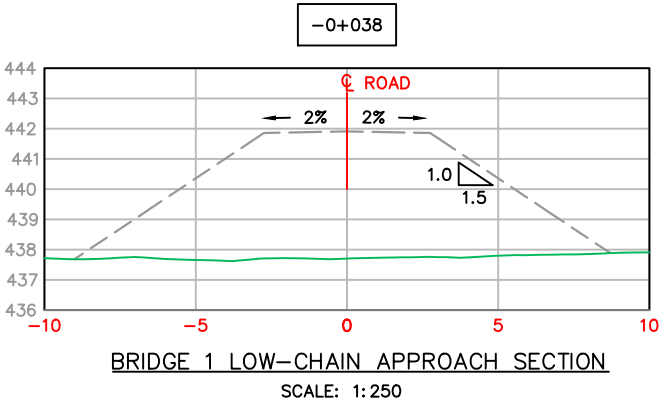
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2021-504113

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LEGEND	
	CREEK
	ROAD
	ROAD ALIGNMENT
	RIPARIAN ROCK
	TREE LINE
	SECTION LINE



OLTC 20 – WR6

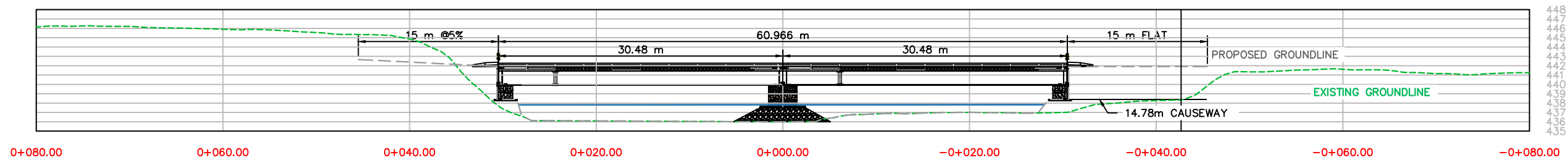
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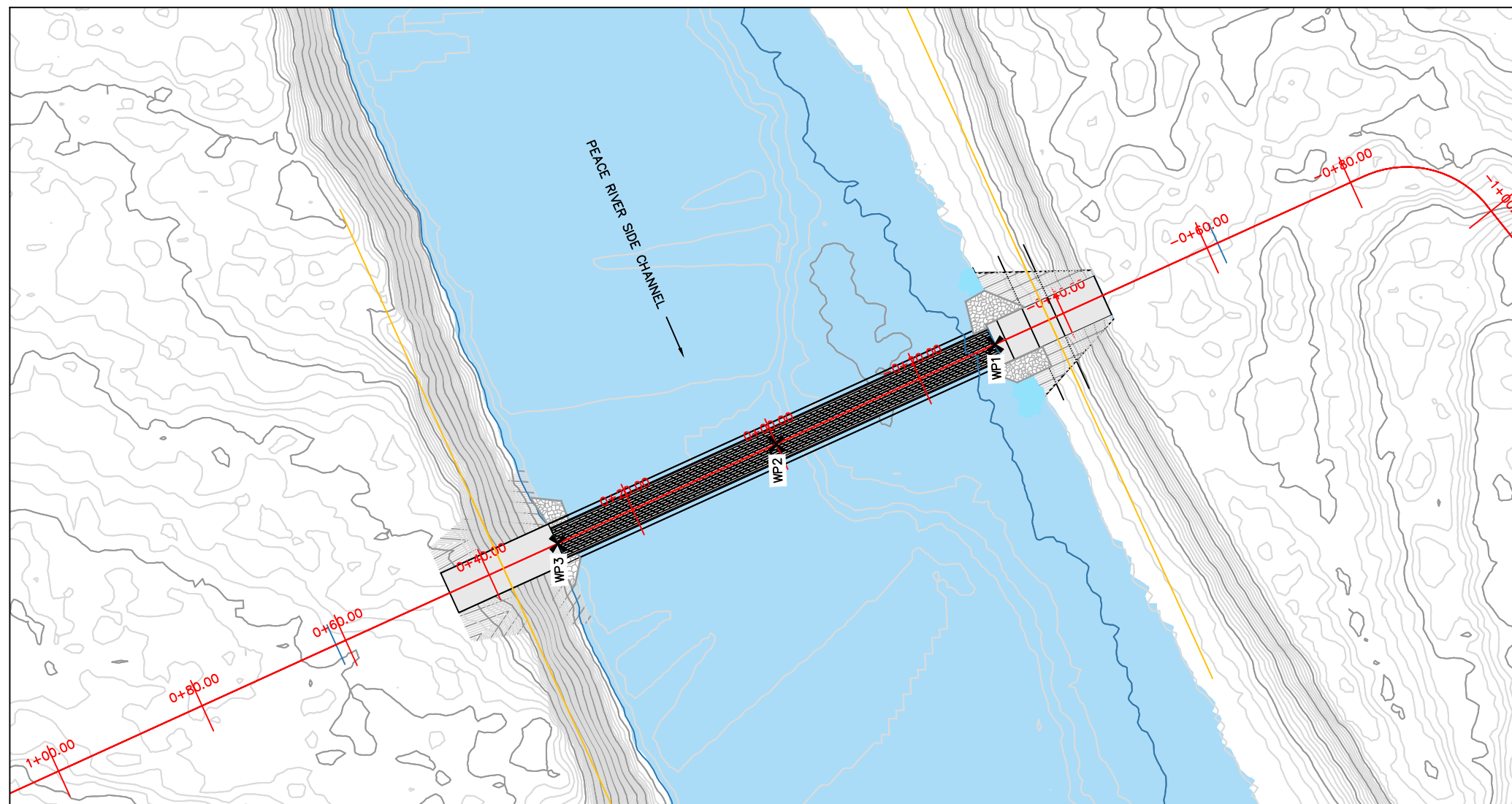
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REVISIONS							Sheet 03 of 05

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PROFILE
SCALE: 1:500



PLAN
SCALE: 1:700

BENCHMARK SURVEY TABLE

MARK	ELEV. (m)	NORTHING	EASTING
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✕ WP2	439.39	6222781.0000	586373.4000
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NOTE: ELEV. IS AT BOTTOM OF GIRDERS

LEGEND	
	CREEK
	ROAD
	ROAD ALIGNMENT
	RIPARIAN ROCK
	TREE LINE
	SECTION LINE

OLTC 20 – WR6			
PROPOSED PLAN VIEW			
DESIGN	B.H.	DRAWN	E.K.
CHECKED	C.D.	FILE	TC-HY016/04
DATE	MAR.13, 2021	DATE	MAR.15, 2021
DATE	MAR.19, 2021	DATE	MAR.19, 2021
REVISIONS		PLAN	
		TC-HY016	
		Sheet 04 of 05	

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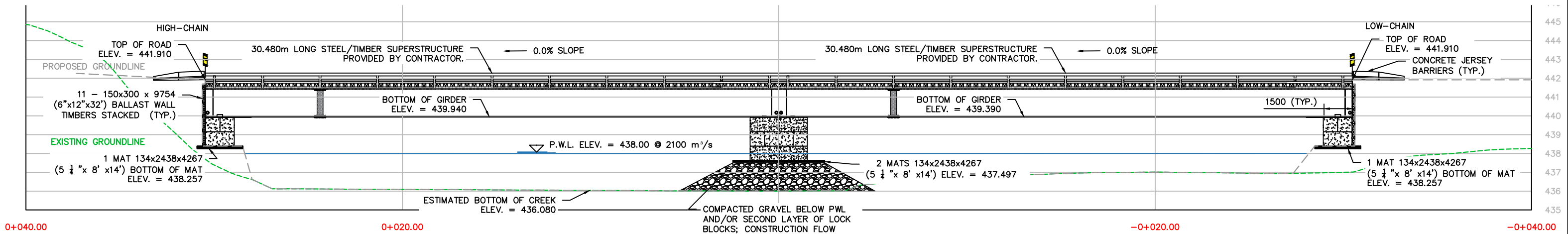
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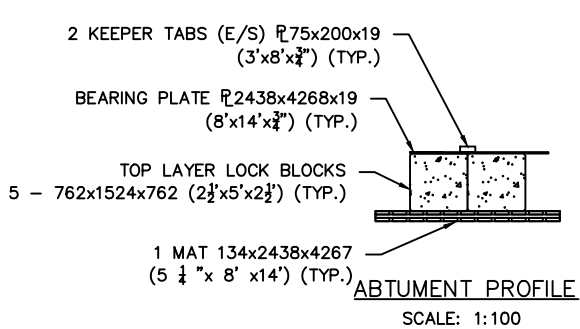
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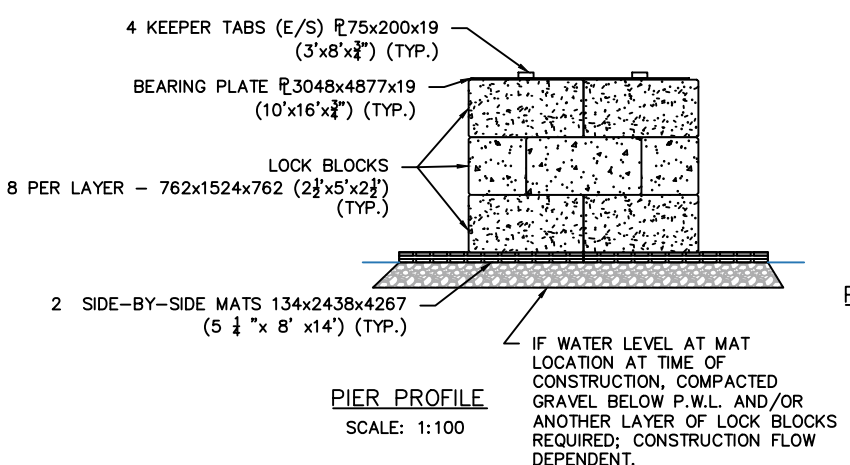
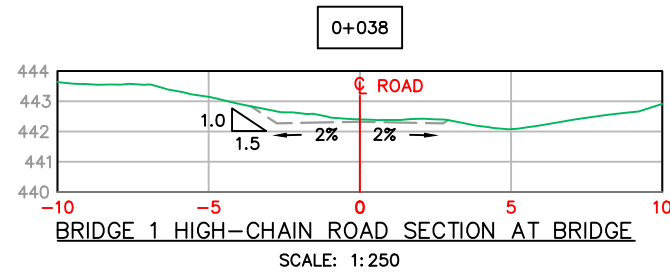
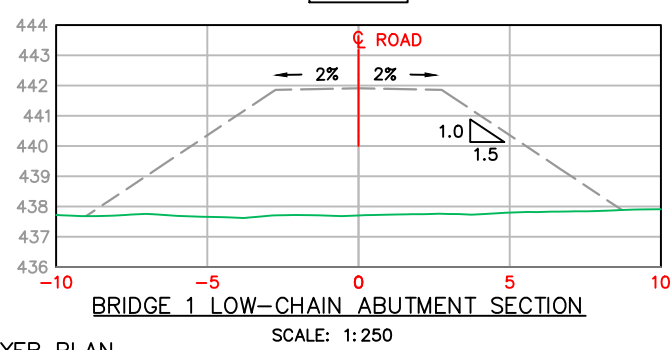
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BRIDGE 1 PROFILE
SCALE: 1:200



ABUTMENT PROFILE
SCALE: 1:100
ABUTMENT TOP LAYER PLAN
SCALE: 1:100
ABUTMENT BOTTOM LAYER PLAN
SCALE: 1:100



PIER PROFILE
SCALE: 1:100
PIER MIDDLE LAYER PLAN
SCALE: 1:100
PIER BOTTOM/TOP LAYER PLAN
SCALE: 1:100

LEGEND	
	CREEK
	ROAD
	ROAD ALIGNMENT
	RIPARIAN ROCK
	TREE LINE
	SECTION LINE

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OLTC 20 - WR6

BRIDGE 1 PROFILES AND SECTIONS

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